

THE GLOBAL RESOURCE FOR ANTI-AGING



Anti-Aging

MEDICAL NEWS

ESTROGEN METABOLISM

*ITS RISK ON BREAST CANCER
AND MITIGATING EFFECTS*

TELOMERES & TELOMERASE

*AS NATURAL THERAPEUTIC
TARGETS*

IN THIS ISSUE

- Welcome Letter PG 5
- Immune Enhancement
By Nature PG 10
- Nutritional and Genetic
Strategies for longevity PG 37
- Exhibitor Listings PG 190
- Product Announcements PG 190
- Fish Oil vs. Krill Oil PG 208

SPECIAL GUEST:
Suzanne Somers

**18TH ANNUAL WORLD CONGRESS
ON ANTI-AGING MEDICINE AND BIOMEDICAL TECHNOLOGIES**

Iodine deficiency - how common is it?



Visit booth 535 to learn more.

David Zava, PhD presents
Iodine Deficiency Testing with Dried Urine
Saturday, December 11th

LABORATORY TESTING MADE SIMPLE



ZRT Laboratory

8605 SW Creekside Place | Beaverton, OR 97008
(503) 466-2445 | info@zrtlab.com | www.zrtlab.com



**18TH ANNUAL WORLD CONGRESS ON
ANTI-AGING MEDICINE AND BIOMEDICAL TECHNOLOGIES
DECEMBER 9-11, 2010 | LAS VEGAS, NEVADA**



THIS COULD BE YOURS!



Win a 2010 Mercedes c300!

How to win:

Pick up your entry form, "Passport to Prizes," at Registration and fill out your contact details. Take it with you to each Mercedes-Benz Sponsor exhibit booth and have each Sponsor stamp their logo square. Once it is completely stamped just drop it off at booth #635.

To enter the competition you must be a registered conference delegate or expo visitor to the 18th Annual World Congress on Anti-Aging and Biomedical Technologies. Exhibitors, sponsors and their staff are not eligible to win.



**Car Giveaway to be held on Saturday, December 11th
at 12:30pm at Booth #635**



You're Invited

We invite you to join us for cocktails and hors d'oeuvres at

The Networking Reception and Fellowship Pinning Ceremony

Join Like-Minded, Anti-Aging Professionals for This Networking Opportunity!

Date: Friday, December 10, 2010
Time: 6:00 pm – 7:30 pm
Location: Exhibit Hall

The Pinning Ceremony for Fellowship Graduates will take place on the main stage in the Exhibit Hall at 6:30pm



CALL FOR MORE INFORMATION: www.worldhealth.net • 1-888-997-0112

Welcome



Distinguished Colleagues:

The American Academy of Anti-Aging Medicine (A4M) welcomes you to Las Vegas for the Winter 2010 Session of the 18th Annual World Congress on Anti-Aging Medicine & Regenerative Biomedical Technologies.

Anti-Aging is among the fastest growing medical specialties in the world. This specialty is an innovative healthcare model focused on new advancements in advanced preventative medicine. Anti-Aging medicine is founded on the application of advanced scientific and medical technologies for the early detection, prevention, treatment, and reversal of age-related dysfunction, disorders and diseases.

With your involvement, the anti-aging medical specialty continues to expand and become more widely accessible. We hope that you enjoy the spirit of educational exchange and dialogue at this Congress session, and are confident that you will leave this event with an enhanced knowledge of the diverse array of interventions and therapeutics to promote the healthy, extended human lifespan.

With warm regards,



Ronald Klatz

Ronald Klatz, M.D., D.O.
President, A4M



Robert Goldman

Robert Goldman, M.D., Ph.D., D.O., FAASP
Chairman, A4M



Introducing
THE NEXT GENERATION
 IN PAIN-FREE HAIR REMOVAL

SOPRANO[®]XLi

Alma Lasers' revolutionary diode laser system for permanent hair reduction and topical dermal heating is now even better than ever. The new Soprano^{XLi} features convenient pre-programmed parameters for all body parts and increased power to treat finer, lighter pigmented hair. Using Alma's exclusive IN-Motion[™] technology for *Pain-Free, Hair-Free*[™] treatments, the Soprano^{XLi} offers the fastest, most comfortable procedure on the market today.

*Contact us today and be one of
 the first Soprano^{XLi} providers in your area.*

866.414.ALMA (2562) x2010
marketing@almalasers.com
ALMALASERS.COM



Connect with
Alma Lasers



**Join Alma Lasers in the Fight
 Against Breast Cancer**

In honor of Breast Cancer Awareness and the launch of the Soprano^{XLi}, Alma Lasers will make a donation to the National Breast Cancer Foundation.

Learn more at
Pink.AlmaLasers.com
NationalBreastCancer.org

Alma Lasers is always finding new ways to innovate the business of beauty.

Innovative Technology

Innovative Marketing

Innovative Learning

Innovative Support

In This ISSUE:

18th Annual World Congress on Anti-Aging Medicine and Regenerative Biomedical Technologies, Winter 2010 Session

| | | | |
|---|----|--|-----|
| IMMUNE ENHANCEMENT BY NATURE | 10 | | |
| ESTROGEN METABOLISM ITS RISK ON BREAST CANCER AND MITIGATING EFFECTS | 18 | SHOW GUIDE: | 99 |
| <hr/> | | ▶ General Information | 100 |
| PROGRAM: | 27 | ▶ Exhibitor Listings | 101 |
| ▶ Special Events | 28 | TELOMERES AND TELOMERASE AS NATURAL THERAPEUTIC TARGETS | 182 |
| ▶ Board Certification | 30 | <hr/> | |
| ▶ Practice Highlights | 32 | BUYERS GUIDE: | 189 |
| ▶ Call for Papers | 34 | ▶ Product Announcements | 190 |
| NUTRITIONAL AND GENETIC STRATEGIES FOR LONGEVITY | 37 | FISH OIL VS. KRILL OIL | 208 |
| ▶ Abstracts | 42 | ▶ Buyers Guide | 210 |
| ▶ Corporate Sponsors & Show Supporters | 98 | ▶ Advertisers Index | 238 |



© Copyright 2010. The American Academy of Anti-Aging Medicine. All rights reserved. ISSN 1533-6700. Anti-Aging Medical News publishes materials in good faith and makes no claims or endorsements for products, services or procedures that appear in the publication. Opinions expressed in articles and advertisements are not necessarily those of Anti-Aging Medical News, its owners, affiliates, or its staff. The publisher is not liable for advertiser product claims or representations. Advertisers assume total responsibility for the contents of their advertisements. Under no circumstances is the content of Anti-Aging Medical News to be construed as medical advice. Always consult your personal physician prior to beginning a new therapy, or changing any current regimen.

SUBSCRIPTIONS: Subscription is free-of-charge to current A4M members and to other qualified individuals. To subscribe, submit your full name, professional designation(s), title (if any), place of business, mailing address, telephone, fax, and e-mail address to: Subscriptions Dept., Anti-Aging Medical News, 1510 West

Montana Street, Chicago, IL 60614 USA. Telephone: (773) 528-4333. Facsimile: (773) 528-5390.

ADVERTISERS: For a Media Kit, including Rate Sheet and Ad Specifications, contact: Advertising Dept., Anti-Aging Medical News, 1510 West Montana Street, Chicago, IL 60614 USA. Telephone: (773) 528-4333. Facsimile: (773) 528-5390.

PERMISSIONS TO REPRINT: On organization letterhead, supply the name of the article appearing in Anti-Aging Medical News, the issue of Anti-Aging Medical News, describe your usage (total readership [print run and/or other media], number of reprint instances), and indicate a contact name with telephone, facsimile, and e-mail at your organization. Send your request to: Reprint and Rights Department, Anti-Aging Medical News, 1510 West Montana Street, Chicago, IL 60614 USA. Facsimile: (773) 528-5390. Anti-Aging Medical News cannot grant permissions for any materials reprinted from other sources (as is clearly indicated in these articles by inclusion of a source line).

VISIT US ON THE WEB: www.worldhealth.net
Executive, Editorial, Circulation, and Advertising Offices
Anti-Aging Medical News
1510 West Montana Street
Chicago, IL 60614 USA
Telephone: (773) 528-4333
Facsimile: (773) 528-5390

AAMN and A4M Buyers Guide
produced by MPA Media,
Huntington Beach, CA



Anti-Aging Medical News : Winner - APEX Award
2003 & 2004: Excellence in Health and Medical Content
2005 & 2006: Excellence in Conference & Meeting Materials
2007: Excellence in Meeting & Event Materials
2008: Excellence in Meeting & Event Materials



THE A4M SPECIAL INFORMATION CENTER
PUBLISHING & MEDIA SHOWCASE
WWW.A4MINFO.NET



THE INTERNET'S LEADING
ANTI-AGING PORTAL
WWW.WORLDHEALTH.NET

AGE IS JUST A NUMBER

Nu Skin slows the visible effects of aging from outside in and inside out

UNSURPASSED ANTI-AGING RESULTS

Although Nu Skin offers more than 400 items, the “it” product of the decade is the ageLOC system. By targeting the ultimate sources of aging, ageLOC science can dramatically diminish the appearance of birthdays.

ageLOC TRANSFORMATION (pictured below) YOUNGER SKIN IN 7 DAYS

- 100% of the subjects started showing improvements in two or more signs of aging in only seven days based on clinical assessments.*
- 100% of the subjects showed an improvement in overall appearance, including fine lines, skin smoothness and radiance, as determined by a clinical grader (after 12 weeks of use).*

* Based upon results of a third-party clinical trial where subjects collectively showed clinically proven visible results in all eight signs of aging in only seven days. Twenty-five study subjects used all four ageLOC products.





AN 'AH-SPA' MOMENT

The Galvanic Spa is the ultimate home spa treatment. It revives and invigorates the skin, smooths lines and wrinkles, and lifts and firms the look of the skin. Results are so remarkable, people will wonder if you're lying about your age.

KAREN B.



BEFORE

AFTER
90 DAYS

AFTER
150 DAYS

(Treatment twice daily with ageLOC Transformation and Tru Face Line Corrector, and ageLOC Galvanic Spa and Facial Gels twice per week)

(Treatment twice daily with ageLOC Transformation and Tru Face Line Corrector, and ageLOC Galvanic Spa and Facial Gels twice per week)*

* Please note the lighting difference from the Before to the After photos may make these changes appear more dramatic.

YOUTHFUL ENERGY AND VITALITY ARE NO LONGER A DREAM

Nu Skin's first ageLOC nutrition product improves three dimensions of vitality—physical vigor, mental acuity and sexual drive—by promoting healthy gene activity associated with youthful vitality. Through targeting the sources of age-related vitality loss, ageLOC Vitality helps you feel more like you did when you were young.*

"I am a 61-year-young woman who is a very active morning person, but has had to use mind over mattress by the end of the day. At the end of my day on Vitality, I am still mentally alert with an early morning energy that I haven't experienced in years!"

Peggy K., Nu Skin Distributor, Santa Barbara, CA

"I am now able to multi-task once again, with a deep appreciation for everything around me. It's like I had been living in black and white and now my world is in living color. I find my body saying "yes" to life, embracing it with a fervor that I'd forgotten I once had. How did I ever live without this product?"

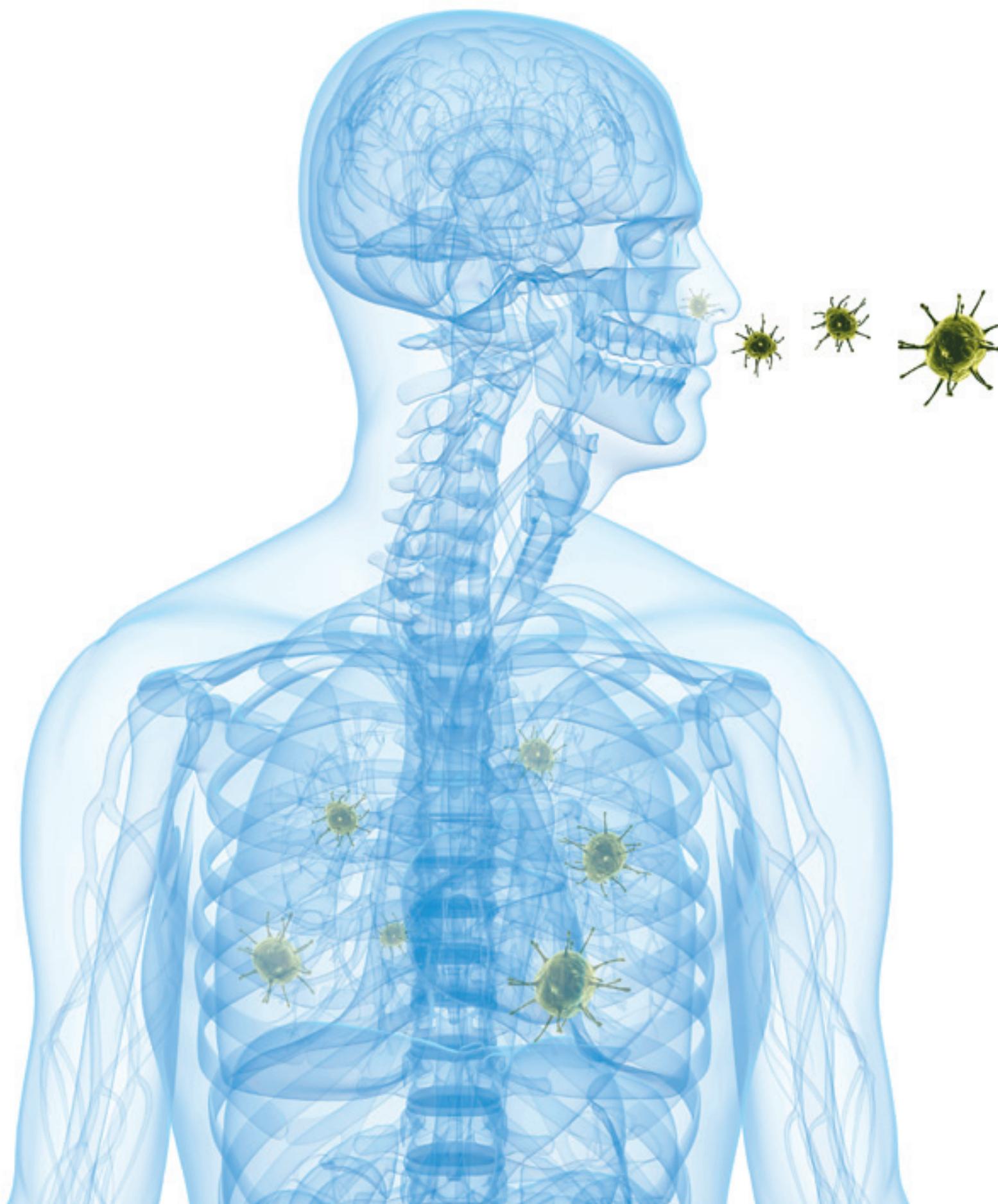
Jan K., Nu Skin Distributor, Bastrop, TX



702-363-5343

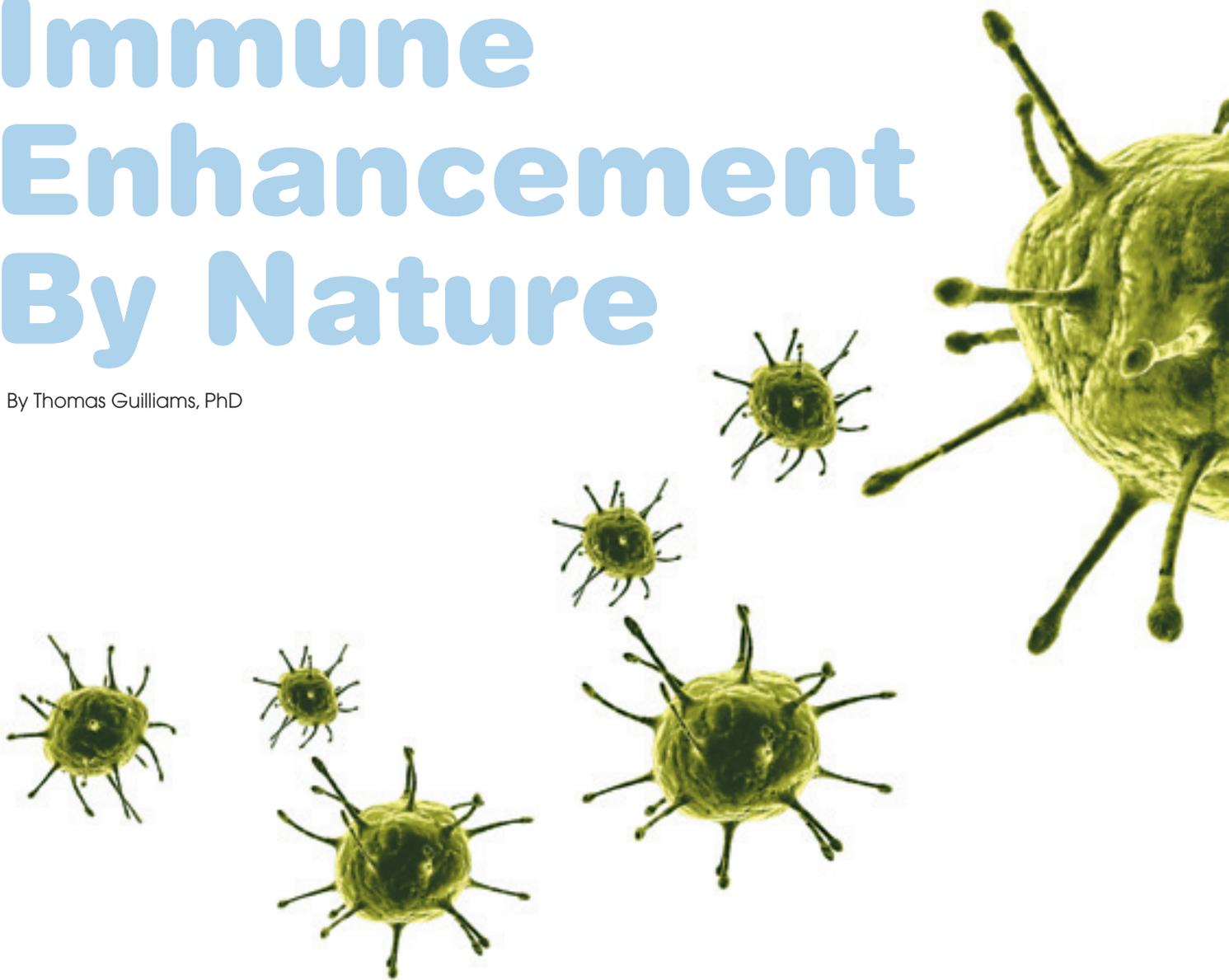
www.vitalityoverview.com

Booth # 915



Immune Enhancement By Nature

By Thomas Guilliams, PhD

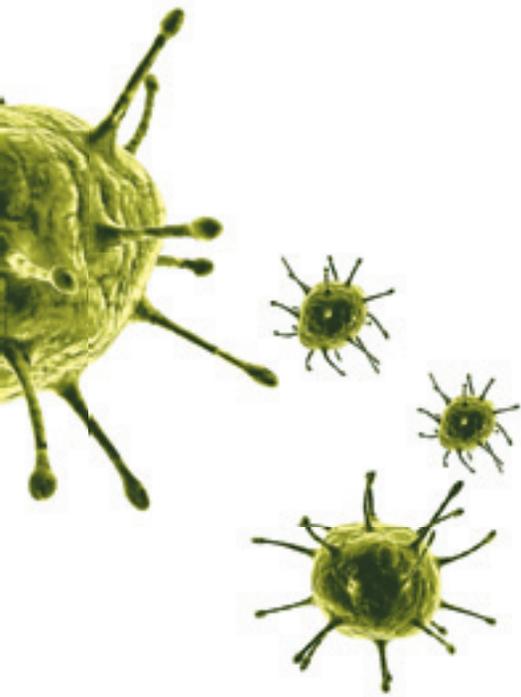


The immune system is a complex network that is divided into the innate and adaptive immune systems. The innate immune system is the first-line of defense, and involves non-specific mechanical barriers, chemical barriers, secretory barriers and inflammatory processes, as well as cells that prevent pathogens from invading sensitive tissues. In contrast, the adaptive immune system “adapts” to invading organisms over time with T and B lymphocytes, which recognize invading organisms with high specificity using T-cell

receptors and immunoglobulin (antibody) proteins. The adaptive immune cells have “memory,” allowing a second invasion of the same (or cross-reactive) antigen to stimulate a quicker response.

The maturation and specificity of the adaptive immune response is partially centered on the differentiation of a specific set of CD4+ T-lymphocytes called T-helper cells (Th) which coordinate how the rest of the adaptive immune system will respond to the antigen and determine which portions of the immune system will mount a response. Many factors can

influence a shift in the Th1/Th2 ratio, including maternal diet and immune challenges during fetal development, early childhood exposure to antigens and allergens, diet, gut microflora and immunizations.¹ Both immune systems are candidates for improvement with proper diet, exercise and nutritional supplementation. This overview will discuss the most widely researched botanicals and nutraceutical immunomodulators, with a focus on published clinical trials and potential mechanisms from in vitro and animal research.



Macronutrients and Micronutrients

Macronutrient ratio imbalances along with metabolic insufficiencies (or frank deficiencies) of many micronutrients can contribute to immune suppression. Protein is particularly important as the immune system requires high levels of energy and amino acids for cell division and protein synthesis.² An elevated intake of refined carbohydrates is often considered harmful to the immune system, and fatty acids, particularly the essential fatty acids linolenic acid and linoleic acid and the long-chain polyunsaturated fatty acids from fish oil (EPA and DHA), are also vital for proper immune function^{3,4} Dietary fibers benefit the immune system directly by stimulating cells in the gut-associated lymphoid tissue (GALT), or indirectly by increasing the number of probiotic organisms (prebiotic activity) or by moving toxins from the body, limiting the stress placed upon the immune system. In addition to the macronutrients, immune cell function is often compromised in individuals with deficiencies in any critical micronutrient, as well.^{5,3}

Vitamin A

Vitamin A deficiency is widespread throughout the developing world, leaving millions susceptible to a variety of infectious diseases. Vitamin A and the pre-vitamin carotenes are vital

to many specific immune functions including the maintenance of epithelial and mucosal barriers, lymphocyte differentiation, natural killer cell activity, improved secretory IgA response, lactoferrin secretion, improved antibody responses and improved cytokine secretion.^{5,3,6,7} Most clinical trials involve children in developing countries with severe vitamin A deficiencies taking periodic large-doses of vitamin A, while most clinical trials in the West provide vitamin A with other micronutrients.

Vitamin C

It has long been believed that increased vitamin C intake will lower an individual's risk for different infections or limit their duration or severity. Deficiencies of vitamin C are known to cause immune system suppression and increase the risk for a variety of infectious diseases, while high oral doses improve immune activities.^{8,9} Antioxidants such as vitamin C quench free radicals,¹⁰ boost T-cell activity, modulate pro-inflammatory cytokines and up-regulate natural killer (NK) cells.³ High doses (1 gram or more) are regularly recommended for improved immune function and for treatment and prevention of upper respiratory infections. In general, vitamin C is more effective in children than adults and even higher doses (>2 g/day) may be needed to see these effects in some individuals.¹¹

Zinc

Zinc is a vital trace mineral involved in over 100 different enzymatic reactions in humans. Deficiencies are linked to specific immune susceptibilities and increased risk of pathogenic infections^{12,13} and they can suppress thymic function, T-lymphocyte development, T-cell dependent B-cell function and macrophage activity.¹⁴ Some reviews suggest that lozenges and nasal gels can directly inhibit rhinovirus attachment; although these studies have not always shown statistically significant results^{15,16}. Supplementation of zinc alone is often inadequate to alter measurable clinical outcomes in otherwise healthy patients. However, when zinc status is compromised in the elderly,^{17,18} or in individuals with immune-related diseases,^{19,20} zinc supplementation has a more profound clinical effect.

Other Antioxidants

Most micronutrients with immunomodulatory activity have antioxidant capacity and many other vitamins, minerals and nutrients have documented impact on immune system improvement, as well. Vitamin E significantly reduces the rates of common colds in an elderly population^{21,22} improves immune markers, and decreases oxidative stress in healthy individuals.²³ **Selenium** is also vital for proper immune function^{3,24,25,26,27,28,29,30} and nutrient

“ Antioxidants such as vitamin C quench free radicals, boost T-cell activity, modulate pro-inflammatory cytokines and up-regulate natural killer (NK) cells. ”



antioxidants such as **lipoic acid** and glutathione-inducers (e.g. **N-acetyl cysteine**), as well as **carnitine**, **acetyl-carnitine** and **coenzyme Q-10**, improve immune function and reduce risk of infection in individuals with stressed immune systems.^{31, 32} Oral supplementation of N-acetyl cysteine,^{33,34} whey protein,^{35,36} and silymarin,^{37,38} also show a measurable increase in total cellular glutathione levels.³⁹

HERBS & BOTANICAL EXTRACTS

Echinacea

Various preparations and components of *E. purpurea* have been shown to stimulate macrophage activation, as well as NK cell activity in both human and animal models.^{40,41,42,43,44} Clinical trials involving preparations of Echinacea^{45,46,47,48} have been shown to reduce the frequency, severity and/or duration of common cold symptoms in several trials; particularly in children^{49,48} yet other studies with various preparations showed no statistical differences compared with placebo.^{50,51} Multi-herb/nutrient formulas containing Echinacea⁵² appear the preferable method of use, yet additional research is needed to confirm combinations, doses and patient conditions. Echinacea is generally regarded as safe for pregnant and nursing women when used at suggested doses.⁵³

Andrographis

The leaves of *Andrographis paniculata* have become more popular in Europe for the treatment and prevention of upper-respiratory tract infections (URTI) and sinusitis. Systematic reviews show a consistent and clinically relevant effect when used as a single herb or in combination with other herbal preparations.^{54,55,56} Constituents within *Andrographis* possess anti-inflammatory, immune-stimulating, anti-pyretic, anti-cancer and anti-viral activities.^{57,58,59,60,61,62} Few reports of adverse events are associated with *Andrographis* and it is generally assumed safe when consumed at the recommended dose.⁵⁴

Arabinogalactan

Arabinogalactan is a polysaccharide fiber and one of the active components

of immunomodulating plants such as Echinacea and several mushroom species. As a prebiotic fiber, arabinogalactan can stimulate the growth of healthy bacterial growth in the GI tract, indirectly aiding the immune system and the unique shape of this polysaccharide directly stimulates immune cell function.⁶³ Arabinogalactan is perhaps most well known for its up-regulation and mobilization of natural killer (NK) cells.^{64,65,66} More research is still needed to define how much is ideal to stimulate the immune system for specific conditions and end-points, but commercially available arabinogalactan is safe and has GRAS status by the U.S. FDA.

Mushroom Extracts

The mushrooms most commonly used as dietary supplements in the US are Shiitake (*Lentinus edodes*), Reishi (*Ganoderma lucida*), Maitake (*Grifola frondosa*), and *Agaricus blazei*; although others are becoming more popular. Numerous immunomodulating constituents have been described from mushroom extracts, although the most studied are the branched polysaccharides (primarily b-D glucans) and polysaccharide proteins⁶⁷ which bind to pattern-recognition receptors on immune system cells and trigger the activation of these cells.^{68,69,70} Macrophages, natural killer (NK) cells, neutrophils, and dendritic cells, as well as cytokines specific to these innate immune cells are activated by various mushroom extracts⁶⁷ which have also been shown to modulate T-helper responses (usually toward TH1 subtype) and activate both B and T cells; although some studies show a suppression in antibody production with certain isolated components.^{71,72,73,74,75} Because of the diversity of clinical uses and the relatively few published clinical trials available, specific dosing recommendations should be provided by the manufacturer.

Astragalus

Astragalus membranaceus root is generally considered to have immunomodulatory, anti-inflammatory and adaptogenic (stress-relieving) properties.⁷⁶ Its traditional and modern usage is primarily for frequent infections

or malignancies.⁷⁷ *Astragalus* extracts and constituents have been shown to enhance the activity of NK cells and lymphocyte activated killing of tumors; as well as stimulate the activity of other immune cells such as macrophages and B-cells.^{77,78} Much of the research on this herb is published in Chinese and its usage is most often combined with several other herbal preparations making specific dosing recommendations difficult. *Astragalus* is generally considered safe, with few reported adverse events.

Probiotics

Probiotics or the beneficial bacteria or yeast in human gut flora, have proven their efficacy in numerous conditions such as antibiotic associated diarrhea,^{79,80} irritable bowel diseases,^{81,82} and general gut health, and researchers are now beginning to investigate the immune system effects of some probiotic bacteria in humans.^{83,84} Probiotics enhance mechanical barriers, decreasing gut permeability to pathogenic bacteria and viruses and some species of *Lactobacillus* and *Bifidobacterium* increase the innate immune response directly, increasing NK cell, polymorphonuclear cell, and macrophage activity in humans and animals.^{85,86,87,83,88} Supplementation with *Lactobacillus* and *Bifidobacterium* have also increased IgA, IgM, and IgG secreting cells.^{89,90,91} and enhance the cellular immune response, increasing the number of beneficial cytokines and modulating the Th1/Th2 response.^{83,84,85} Further research and human clinical trials are needed to better understand how these microorganisms benefit certain disease states.





“Herbal traditions recommend using immune-stimulating therapies for short periods of time, followed by a removal of the therapy for weeks or months before starting the therapy again.”

Bovine Colostrum

Colostrum is the “early” milk produced by cows during the first days after parturition and it is richer than later milk in growth factors, immunoglobulins, immune-stimulating cytokines, as well as enzymes and proteins which protect the young animal and promotes healthy growth.^{92,93} Due to colostrum’s high immunoglobulin content, it has been used to treat bacterial-induced diarrhea⁹⁴ and showed positive benefits with harmful organisms such as *Cryptosporidium* (in immune-compromised individuals), *Shigella*, *Clostridium* and *E.coli*^{95,96,97,98,99} using doses from 10 grams per day and higher. Studies have not established an appropriate dose for immune enhancement in other populations. High doses of colostrum have led to GI complaints in some, but most studies show colostrum is well-tolerated. Those who do not tolerate or are allergic to dairy should avoid colostrum use.

Lactoferrin

Lactoferrin is an iron-binding glycoprotein secreted in many biological fluids especially milk and colostrum.¹⁰⁰ Lactoferrin is considered vital to the mucosal immune system- aiding the host defense against microbial infections and has direct antimicrobial activity, and the ability to recruit and activate cells within both the innate and adaptive immune system.^{101,102,103,104} Most published clinical trials using lactoferrin are for the treatment of hepatitis C and *H. pylori* (mostly

with other agents), and show mixed results.^{105,106,107,107,108,109,110} Research is also being conducted on the anti-inflammatory and anti-cancer potential of lactoferrin use.^{111,112,113,104,114,115,116,117} Additional clinical trials will need to be conducted to confirm uses and make specific clinical recommendations.

Antimicrobial or Anti-Viral Agents

Numerous plants, plant extracts and constituents have been identified as having anti-microbial, antiviral or antifungal activities¹¹⁸ and are often considered “immune enhancing” even when no specific immune system function is measured because of their use during infection or combination with other immune-modulating herbs. Some of the most common are olive leaf extract,¹¹⁹ berberine-containing plants (e.g. goldenseal, Oregon grape root, barberry),^{120,121} Elderberry (*Sambucus nigra*),^{122,123} garlic,¹²⁴ Pau d’arco,¹²⁵ St. John’s wort,¹²⁶ propolis (bee-product from tree resin),^{127,128} green and black tea,¹²⁹ tea tree oil,¹³⁰ and nearly every popular spice.¹³¹

Caution with Immune-Stimulating Therapies

Only a general precaution can be given that aggressive use of ingredients that stimulate the adaptive immune system may not be advisable in patients with auto-immune diseases, since there are little more than a few case reports of potential autoimmune exacerbations.¹³² Herbal traditions recommend using immune-stimulating therapies

for short periods of time, followed by a removal of the therapy for weeks or months before starting the therapy again. In general, it is most effective to use immune-stimulating protocols with a memory-stimulating antigen, when a patient is infected or during the season or environment where they have a higher likelihood of contacting pathogens.

Conclusion

There are many ways to support and enhance immune function, from macro and micronutrient support for optimal energy production to antioxidant support to protect immune cells requiring higher metabolic energy. The numerous dietary supplements give the practitioner of evidence-based medicine a wider formulary in dealing with immune-related disorders and continued research into these remedies and others, will provide more options in the future, allowing for even greater outcomes. ♦

SELECT REFERENCES:

1. Miescher, S. M. and Vogel, M. Molecular aspects of allergy. *Mol Aspects Med.* 2002; 23(6):413-462.
2. Woodward, B. Protein, calories, and immune defenses. *Nutr Rev.* 1998; 56(1 Pt 2):S84-S92.
3. Field, C. J., Johnson, I. R. et al. Nutrients and their role in host resistance to infection. *J Leukoc Biol.* 2002; 71(1):16-32.
4. Calder, P. C. Dietary fatty acids and the immune system. *Nutr Rev.* 1998; 56(1 Pt 2):S70-S83.
5. Bhaskaram, P. Immunobiology of mild micronutrient deficiencies. *Br J Nutr.* 2001; 85 Suppl 2:S75-S80.

EDITOR’S NOTE: Due to the amount of research discussed in this article, an exhaustive reference list is not included. Additional references are available online at www.pointinstitute.org

► Thomas Guilliams, PhD earned his doctorate in biochemistry/molecular immunology. He has been the Director of Science and Regulatory Affairs for Ortho Molecular Products since 1996, and Serves as Clinical Instructor-School of Pharmacy at the University of Wisconsin-Madison.

CONTACT INFORMATION:

For a full length review of this article, please visit the Point Institute of Nutraceutical Research at www.pointinstitute.org. You may contact Dr. Guilliams at info@pointinstitute.org.

Typical Stress Relief Protocols
treat only the
Surface Symptoms

ARK
adrenal recovery kit

Addresses Stress
at the **Root**

Visit us at Booth 515

SHOW SPECIAL

50% OFF the lab fees for the
ARK205 Salivary Test Kit

**PLUS get a FREE
ARK Starter Kit**



Learn, Connect, Discuss
Visit ARKProgram.com

The growing community of
health care professionals
committed to adrenal health



**ORTHO
MOLECULAR
PRODUCTS**
Because Efficacy Matters®



Finally the degree you have always wanted is available from a leading Medical School!

The A4M's Fellowship in Anti-Aging, Regenerative, and Functional Medicine in conjunction with the University of South Florida (USF) Announce a Master's Degree

After seven years in the making, The American Academy of Anti-Aging Medicine (A4M) is proud to announce that the Fellowship in Anti-Aging, Regenerative, and Functional Medicine is now qualified to extend a master's degree program from one of the leading US medical schools. The University of South Florida College of Medicine is offering a medical science degree with a concentration in Metabolic and Nutritional Medicine.

It is imperative for those committed to the prevention of the diseases of aging arm themselves with the proper credentials in this area of medicine. The master's degree offered through the University of South Florida, following completion of the Fellowship program will allow physicians and practitioners to practice independently and confidently in this specialty area.

Course content includes study in:

- Endocrinology
- Cardiology
- Metabolism
- Gastrointestinal Health
- Neurotransmitters and Neurology
- Detoxification
- Functional Medicine
- Lyme Disease
- Mitochondrial Function
- Functional Immunology
- Functional Cancer Therapies



To learn more about the Master's degree program and The Fellowship in Anti-Aging Regenerative Medicine call 1-888-997-0112 or visit www.worldhealth.net



19th Annual World Congress on Anti-Aging Medicine and Biomedical Technologies

April 7-9, 2011 Orlando, Florida



90 + International Presenters with Topics including:

- Bio-identical Hormone Therapies including: DHEA – Melatonin – Estrogen – Progesterone – Testosterone
- Weight Management
- Stem cells
- Non-toxic Cancer Therapies
- Photodynamic Therapies
- Mitochondrial DNA Regeneration & Repair
- Metabolic Glucose Control
- Oxytocin Health & Happiness
- Detoxification for Gulf War Syndromes
- Hypoxic Altitude Training (for augmentation in Native stem cells)
- EECF (External counter pulsation) for heart circulation and the brain
- Thermography
- Gout and Metabolic Syndrome
- Platelet rich plasma
- Role of insulin and cortisone in the epidemic of obesity and metabolic syndromeX

Registration Fee includes:

- Unrestricted Access to All General and Breakout Sessions
- CME Credits
- Access to the Exhibit Hall
- Evening Workshops
- Tickets to the Welcome Reception
- and Much More!

This Conference is Your Opportunity to:

- Connect with 3000 + peers on the latest hot-button anti-aging issues
- Learn about the most recent advancements and technologies from leading experts
- Source cutting edge products from 300+ exhibitors
- Get ahead of your competition in this booming segment of the healthcare market

A4M Executive Officers



Ronald Klatz,
MD, DO
President



Robert Goldman,
MD, PhD, DO, FAASP
Chairman of the Board



Joseph C. Maroon, MD
Senior Vice President



Nicholas A. DiNoble, MD
Vice President



Marriott World Center Orlando World Center Marriott Resort & Convention Center

8701 World Center Drive Orlando, Florida 32821
Call 847-759-4270 for your preferred rate

1-888-997-0112
or visit www.worldhealth.net



**Limited space available
Call Today to reserve your seat**



Estrogen Metabolism Its Risk on ***Breast Cancer*** and ***Mitigating Effects***

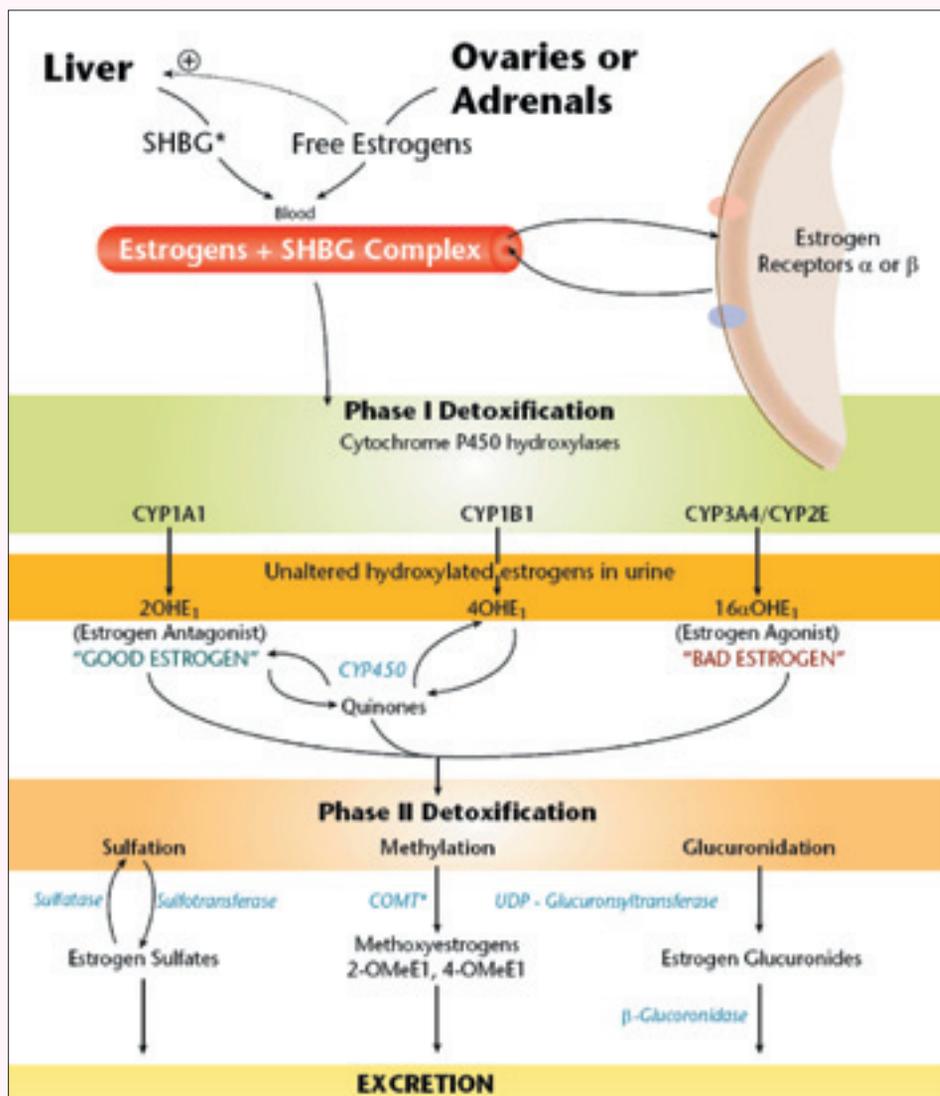
By Rachel Marynowski, ND and Elizabeth Redmond, PhD

The 2/16 ratio found in breast tissue is related to risk of breast cancer. Urinary 2/16 ratio is an adjunct measure of the breast tissue's 2/16 ratio. The 2/16 ratio can identify a possible risk of breast cancer, and the number can be modulated by lifestyle factors and supplementation. The level of 2/16 ratio is also regulated by diet, environmental exposures, weight and detoxification SNPs.

Estrogen metabolism starts with the conversion of estradiol to estrone, and then proceeds through Phase I and Phase II detoxification (see figure 1). In phase I, the estrogens are oxidized by the cytochrome P450 (CYP450) enzymes. When CYP450 enzymes act on estradiol, the products are: 2-hydroxyestrone (2-OHE1), 4-hydroxyestrone (4-OHE1), and 16 α -hydroxyestrone (16 α -OHE1).¹ Metabolism by CYP1A1 primarily produces 2-OHE1, CYP1B1 produces 4-OHE1, and the CYP2E and CYP3A4 produce 16 α -OHE1.^{2,3} There are large variations in how individual women metabolize estrogen, which may be related to single nucleotide polymorphisms (SNPs) in these enzymes, as well as several environmental factors, many that can be modulated. SNPs in the enzymes can have an impact on the level of each of these metabolites. Though estradiol itself is primarily responsible for female development, it is these metabolites that are responsible for many of the other positive and negative properties of estrogens.⁴ The 2-OHE1 is believed to have very little estrogenic activity, while 16-OHE1 is known as an estrogen-like compound. This estrogen-like effect of the 16-OHE1 is thought to increase proliferation of breast epithelial cells, which can lead to cancer. There is sound evidence that breast cancer risk can be modulated by looking at estrogen metabolites, specifically the ratio of 2-OHE1 as compared to 16-OHE1 in urine, the 2/16 ratio.⁵

In a recent (2010) study, Taioli et.al looked for a correlation in the level of estrogens and estrogen metabolites between breast tissue and urine in women with primary breast cancer.⁶ Not all estrogens and metabolites correlated, though they did find the pattern of the 2/16 ratio to show a correspondence between urine and breast tissue, and supported the use of the 2/16 ratio in urine as a surrogate for tissue levels

FIGURE 1: Estrogen Metabolism and Detoxification.



of the 2/16 ratio. Other studies have looked at a correlation between breast tissue and plasma, and found that plasma levels are generally much lower. Interestingly, the sum of all the metabolites measured in tissue correlated with BMI.

Since urine estrogen metabolite levels, specifically the 2/16 ratio, were found to correlate to what was in breast tissue, it is not surprising that researchers have also reviewed if breast tissue levels of estrogen metabolites, specifically the 2/16 ratio, correlate with cancer risk. In a 2002 study by

Castagnetta et.al, breast tissue from breast cancer patients was found to have statistically significant, higher levels of 2-OHE1 and 16-OHE1. Breast tissue from controls was found to have a higher 2/16 ratio.⁷

Additionally, a number of factors play a role in the 2/16 ratio including (see Table 1): race, diet, BMI, age, menopausal status, environmental toxins, detoxification abilities and hepatic function, medications, and laboratory techniques.^{4, 8-15} Race is an independent predictor. In studies of mixed races, white women were found to have sig-

Table 1: Factors associated with 2 and 16 hydroxyestrogen levels.

| | 2-hydroxyestrogen "good" | 16-hydroxyestrone "bad" |
|-----------------------------|--|---|
| WILL INCREASE LEVELS | <ul style="list-style-type: none"> • Vigorous exercise • Cruciferous vegetables • HRT ww • Low-calorie/low-fat diet • Soy intake • Low body weight • High protein • High omega-3 /flax • Hyperthyroidism • I3C/DIM | <ul style="list-style-type: none"> • Exposure to di(2-ethylhexyl) phthalate (DEHP) and its metabolite mono(2-ethylhexyl) phthalate (MEHP) • Higher body fat/BMI |
| WILL DECREASE LEVELS | <ul style="list-style-type: none"> • Hypothyroidism • Ethanol • Increase body fat • High carbohydrate diet (high glycemic) • High omega-6 intake | <ul style="list-style-type: none"> • Omega-3 fatty acids • I3C/DIM |

nificantly higher mean 2/16 ratios. Diet has also been found to have significant positive impact on the 2/16 ratio. Research has found that both cruciferous vegetables and supplements, soy and flaxseed may be chemoprotective by modulating the 2/16 ratio.^{14, 16, 17}

In Phase II these estrogen metabolites are inactivated by conjugating reactions, such as glucuronidation and sulfation, and methylation via the COMT enzyme. SNPS in the COMT can additionally affect the level of 2-OHE1 since an impairment in the enzyme may decrease the ability to breakdown 2-OHE1 resulting in higher levels. If there is environmental toxic exposure complicated by an inability to properly metabolize and eliminate estrogens due to poor detoxification or compromised liver function, the 2/16 ratio will be affected. As far as laboratory technique, RIA and ELISA are routinely used for measuring estrogen metabolites due to efficiency and low cost. However in a recent study LC-MS/MS was found to be more accurate, with a higher correlation coefficient and lower coefficients of variation, than ELISA and

RIA.¹⁸ The widely used RIA and ELISA measures may be problematic, especially at low estrogen metabolite levels. Estrogen metabolism and its overarching effects on health should continue to be investigated further. ♦

REFERENCES

1. Muti P, Bradlow HL, Micheli A, et al. Estrogen metabolism and risk of breast cancer: a prospective study of the 2:16alpha-hydroxyestrone ratio in premenopausal and postmenopausal women. *Epidemiology*. Nov 2000;11(6):635-640.
2. Cribb AE, Knight MJ, Dryer D, et al. Role of polymorphic human cytochrome P450 enzymes in estrone oxidation. *Cancer Epidemiol Biomarkers Prev*. Mar 2006;15(3):551-558.
3. Badawi AF, Cavalieri EL, Rogan EG. Role of human cytochrome P450 1A1, 1A2, 1B1, and 3A4 in the 2-, 4-, and 16alpha-hydroxylation of 17beta-estradiol. *Metabolism*. Sep 2001;50(9):1001-1003.
4. Sepkovic DW, Bradlow HL. Estrogen hydroxylation—the good and the bad. *Ann N Y Acad Sci*. Feb 2009;1155:57-67.
5. Im A, Vogel VG, Ahrendt G, et al. Urinary estrogen metabolites in women at high risk for breast cancer. *Carcinogenesis*. Sep 2009;30(9):1532-1535.
6. Taioli E, Im A, Xu X, Veenstra TD, Ahrendt G, Garte S. Comparison of estrogens and estrogen

metabolites in human breast tissue and urine. *Reprod Biol Endocrinol*.8:93.

7. Castagnetta LA, Granata OM, Traina A, et al. Tissue content of hydroxyestrogens in relation to survival of breast cancer patients. *Clin Cancer Res*. Oct 2002;8(10):3146-3155.
8. Adlercreutz H, Gorbach SL, Goldin BR, Woods MN, Dwyer JT, Hamalainen E. Estrogen metabolism and excretion in Oriental and Caucasian women. *J Natl Cancer Inst*. Jul 20 1994;86(14):1076-1082.
9. Bradlow HL, Fishman J, Telang NT, Osborne MP. Re: Estrogen metabolism and excretion in Oriental and Caucasian women. *J Natl Cancer Inst*. Nov 2 1994;86(21):1643-1645.
10. Dallal C, Taioli E. Urinary 2/16 estrogen metabolite ratio levels in healthy women: a review of the literature. *Mutat Res*. Oct;705(2):154-162.
11. Lord RS, Bongiovanni B, Bralley JA. Estrogen metabolism and the diet-cancer connection: rationale for assessing the ratio of urinary hydroxylated estrogen metabolites. *Altern Med Rev*. Apr 2002;7(2):112-129.
12. Shiraga T, Niwa T, Ohno Y, Kagayama A. Interindividual variability in 2-hydroxylation, 3-sulfation, and 3-glucuronidation of ethynylestradiol in human liver. *Biol Pharm Bull*. Dec 2004;27(12):1900-1906.
13. Wellejus A, Olsen A, Tjonneland A, Thomsen BL, Overvad K, Loft S. Urinary hydroxyestrogens and breast cancer risk among postmenopausal women: a prospective study. *Cancer Epidemiol Biomarkers Prev*. Sep 2005;14(9):2137-2142.
14. Haggans CJ, Travelli EJ, Thomas W, Martini MC, Slavin JL. The effect of flaxseed and wheat bran consumption on urinary estrogen metabolites in premenopausal women. *Cancer Epidemiol Biomarkers Prev*. Jul 2000;9(7):719-725.
15. Schneider J, Bradlow HL, Strain G, Levin J, Anderson K, Fishman J. Effects of obesity on estradiol metabolism: decreased formation of nonuterotropic metabolites. *J Clin Endocrinol Metab*. May 1983;56(5):973-978.
16. Morrison J, Mutell D, Pollock T, Redmond E, Bralley JA, Lord RS. Efficacy of dried cruciferous powder for raising the 2:16 hydroxyestrogen ratio. *Alternative Therapies in Health and Medicine*. 2009;15(2).
17. Teas J, Hurley TG, Hebert JR, Franke AA, Sepkovic DW, Kurzer MS. Dietary seaweed modifies estrogen and phytoestrogen metabolism in healthy postmenopausal women. *J Nutr*. May 2009;139(5):939-944.
18. Faupel-Badger JM, Fuhrman BJ, Xu X, et al. Comparison of liquid chromatography-tandem mass spectrometry, RIA, and ELISA methods for measurement of urinary estrogens. *Cancer Epidemiol Biomarkers Prev*. Jan;19(1):292-300.

2011 Calendar

A4M Co-Sponsored/Co-Sponsored

Anti-Aging & Regenerative Medicine



Fellowship in Anti-Aging & Regenerative Medicine

- Modules II and XII:
Feb. 18-20, 2011; Boca Raton, FL USA
- Modules I, V, and XI:
April 7-9, 2011; Orlando, FL USA
- Modules IV, VI, and IX:
June 24-26, 2011; Las Vegas, NV USA
- Modules II, III, and XIV:
July 29-31, 2011; Boca Raton, FL USA
- Modules IV, V, and XIII:
Sept. 16-18, 2011; Dallas, TX USA
- Modules III, VII, and X:
Oct. 21-23, 2011; Atlanta, GA USA
- Modules I, V, VIII, and XV:
Dec. 8-10, 2011; Las Vegas, NV USA

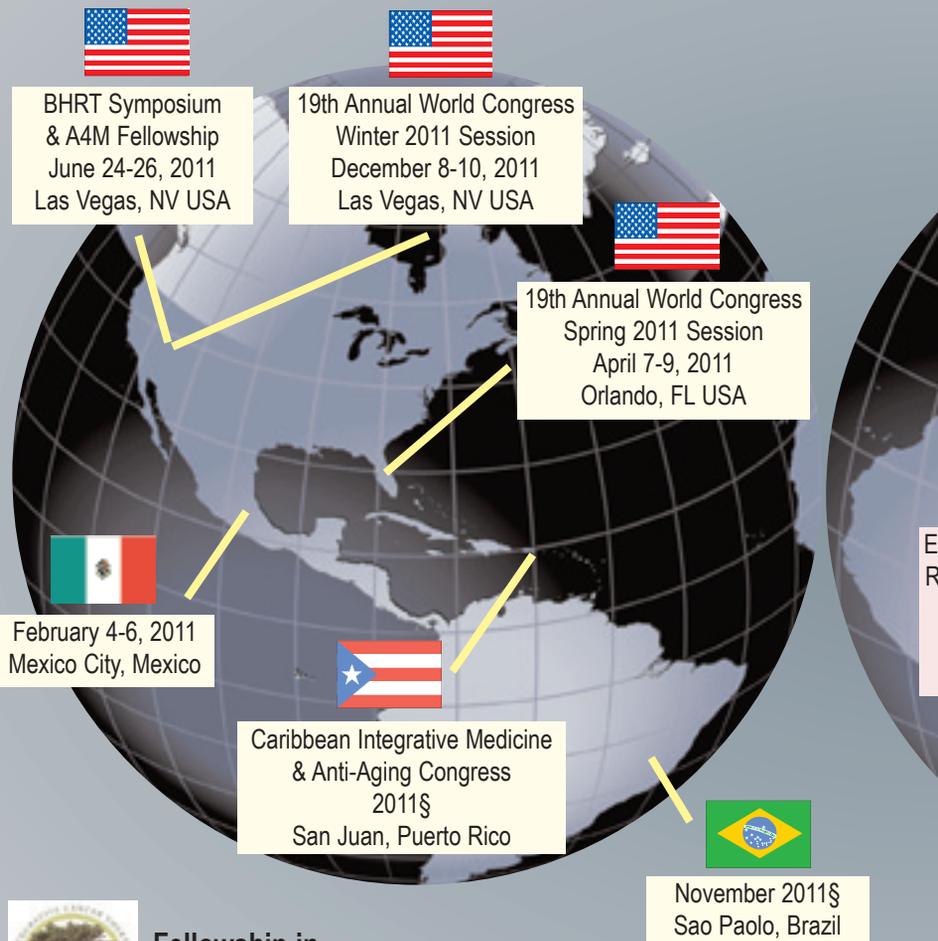
For more information:
www.worldhealth.net/fellowships/fellowship-anti-aging-and-regenerative-medicine/



Fellowship in Aesthetic Medicine

- Module II:
April 7-9, 2011; Orlando, FL USA

View the complete 2011 Schedule of the Fellowship in Aesthetic Medicine, and review more information, at:
www.worldhealth.net/fellowships/fellowship-aesthetic-medicine/



Fellowship in Integrative Cancer Therapy

- Module V:
Mar. 10-11, 2011; Boca Raton, FL USA
- Module VI:
Mar. 12-13, 2011; Boca Raton, FL USA
- Module I:
May 20-22, 2011; Boca Raton, FL USA

- Module II:
Aug. 12-14, 2011; Boca Raton, FL USA
- Module III:
Oct. 21-23, 2011; Atlanta, GA USA
- Module IV:
Nov. 4-6, 2011; Boca Raton, FL USA

For more information:
www.worldhealth.net/fellowships/integrative-cancer-fellowship

Calendar of Events

Supported Educational Programs in Regenerative Medicine



§ Pending.

aton, FL USA

, GA USA

on, FL USA



This Map is for illustrative purposes only.
Find information on upcoming educational programs at:
www.worldhealth.net



AESTHETIC ANTI-AGING FELLOWSHIP AND CERTIFICATION

The emerging successful Anti-Aging practice model offers medical treatments in all areas of successful aging. This includes expert aesthetic enhancements so patients achieve positive self-image, optimal health, well-being, and longevity.

THE AESTHETIC ANTI-AGING FELLOWSHIP OFFERS ADVANCED PROGRAMMING IN AESTHETIC MEDICAL SCIENCE, PROCEDURAL PROTOCOLS, AND VALID TECHNOLOGY, ENABLING PHYSICIANS TO OFFER SAFE, REPRODUCIBLE AESTHETIC ENHANCEMENTS TO THEIR PATIENTS IN AN OFFICE SETTING INCLUDING:

- FACIAL INJECTABLES
- AESTHETIC LASER & LIGHT TREATMENTS
- AESTHETIC VENOUS TREATMENTS
- BODY CONTOURING TECHNIQUES
- CHEMICAL AND MECHANICAL RESURFACING
- COSMECEUTICALS

Where science and beauty come together

BOARD CERTIFICATION IN AESTHETIC MEDICINE DEMONSTRATES RECOGNIZED EXCELLENCE IN PROCEDURAL SKILL AND EVIDENCE-BASED KNOWLEDGE IN AESTHETIC MEDICINE.

AESTHETIC FELLOWS ENJOY:

- NON BIASED EVIDENCE-BASED MEDICAL CURRICULUM
- UNPARALLELED HANDS-ON PROCEDURAL LEARNING ON LIVE MODELS
- PRACTICE DEVELOPMENT STRATEGIES FOR EACH PROCEDURAL MODALITY
- INCREASED PRACTICE REVENUE ENABLING FINANCIAL STABILITY, GROWTH, AND DIVERSIFICATION

Contact the American Academy of Anti-Aging Medicine



The
Aesthetic
AntiAging Fellowship

Rejuvenate your Anti-Aging practice today
by becoming an Aesthetic Fellow

1-888-997-0112 or visit www.worldhealth.net

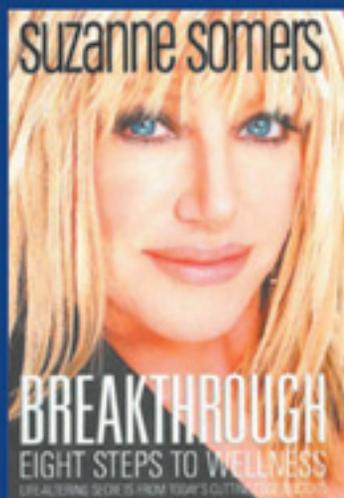
ROAD TO WELLNESS

(((ONDAMED)))

a better way to make you better

at the crossroad, all paths point to ONDAMED.

Suzanne Somers, in her new book *Breakthrough*, gets you on the road to wellness. And ONDAMED.



In her best-seller *BREAKTHROUGH*, Suzanne Somers quotes, "I have been especially interested in lymphatic relief (selfishly), and I came across yet another marvelous invention called the ONDAMED machine...This is a very sophisticated new piece of equipment you need to urge your Doctor to purchase. I now use the ONDAMED machine and the results have been truly miraculous. In just a short period of time I am no longer experiencing pain, swelling, or tenderness in the breast."

The finding of the patient's underlying dysfunctions, which are responsible for symptoms and disease patterns, is essential for fast and effective relief.

The unique biofeedback method in combination with ONDAMED Technology helps to identify the source of the disease while simultaneously applying the focused vector-driven stimulus to activate tissue repair and regeneration.



Cassilda James, M.D., NY
with patient

"After all," says Rolf Binder, the inventor of ONDAMED, "our focus is not a symptom or disease, it's the dysfunctional tissue,

which has to be located and specifically stimulated to achieve revitalization."

Revitalization of tissue can also enable detoxification of unwanted toxicity, potentially resulting in improved metabolic functions; Where nutrients, remedies, supplements including bio-identical hormones can be assimilated more effectively.

EXPERIENCE ONDAMED
at A4M
Las Vegas
December 9 - 11, 2010
Booth 215





Conference Guide

18th Annual World Congress on *Anti-Aging Medicine & Regenerative Biomedical Technologies*

December 9 – 11, 2010 | *Mandalay Bay Hotel and Convention Center, Las Vegas, NV*



Consult the Show Guide appearing in this issue of Anti-Aging Medical News for information about the Las Vegas Anti-Aging Exposition. The Las Vegas Anti-Aging Exposition is produced and managed by Medical Conferences International Inc.

Refer to the Program Schedule, available on-site at the 18th Annual World Congress on Anti-Aging Medicine Winter 2010 Session, for the latest available Schedule and related Program information.

SCIENTIFIC CONFERENCE CO-SPONSORED BY:

CERTIFICATION BY:



SPONSORED WORKSHOPS & SPECIAL EVENTS

LAS VEGAS 2010

All Special Events take place at the Mandalay Bay Resort and Casino, Las Vegas, NV.

Consult the Program Schedule available on-site for the room locations.

THURSDAY, DECEMBER 9, 2010

▶ LEARN THE LATEST: STEM CELL EXTRACTION AND ACTIVATION TECHNIQUES

Presented by Adistem

Time: 6:30 pm – 9:00 pm Speakers: **Vasilis Paspaliaris, PhD**

Room: Islander Ballroom – Room H

▶ BURZYNSKI CLINIC GENOMIC APPROACH TO CANCER AND AGING

Presented by Aminocare

Time: 6:30 pm – 9:00 pm Speakers: **Azad Rastegar, BA**

Room: Islander Ballroom – Room F

▶ LOOKING BACK ON 50 YEARS OF HORMONE REPLACEMENT THERAPY – MYTHS, MISCONCEPTIONS AND MISINFORMATION

Presented by Bellevue Pharmacy

Time: 6:30 pm – 9:00 pm Speakers: **Phillip O. Warner, MD, OB/GYN** and **Pete Hueseman, RPh**

Room: South Pacific Ballroom – Room D

▶ ADD \$40K TO \$400K TO YOUR BOTTOM LINE...EFFORTLESSLY!

Presented by CompoundMD

Time: 6:30 pm – 9:00 pm Speakers: **Anthony Westmoreland, RPh**

Room: South Pacific Ballroom – Room C

▶ START YOUR OWN SUCCESSFUL CASH PRACTICE OR TURN YOUR AVERAGE PRACTICE INTO A GOLDMINE!

DISCOVER THE TURN-KEY SECRET TO SUCCESS

Presented by Holtorf Medical

Time: 6:30 pm – 7:30 pm Speakers: **Kent Holtorf, MD**

Room: Islander Ballroom – Room G

▶ CONTINUING TO PUT IT ALL TOGETHER: UTILIZING THE PROPER NUTRIENTS AND DIET TO ACHIEVE A MAXIMUM HORMONAL ACTIVATION – HORMONES, NUTRIENTS, DETOXIFICATION, MIND AND BODY BALANCE

Presented by MD Prescriptive

Time: 6:30 pm – 8:30 pm Speakers: **Sangeeta Pati, MD, OB/GYN**

Room: Islander Ballroom – Room D/E

▶ FISH OIL: CLINICAL APPLICATIONS AND CURRENT DEBATES

Presented by Nordic Naturals

Time: 6:30 pm – 9:00 pm Speakers: **Joseph Maroon, MD** and **Stuart Tomc, CNHP**

Room: South Pacific Ballroom – Room F

▶ INTEGRATIVE BIOPHYSICS WORKSHOP

Presented by ONDAMED

Time: 6:30 pm – 9:00 pm Speakers: **Stephen Sinatra, MD, Jan Hranicky, PhD, Silvia Binder, ND, PhD** and **Rolf Binder, Inventor**

Room: South Pacific Ballroom – Room I

► **“SEE ONE DO ONE TEACH ONE” INCORPORATING A METABOLIC SYNDROME PROTOCOL AND HCG WEIGHT LOSS PROGRAM INTO YOUR PRACTICE.**

Presented by Homefirst

Time: 6:30 pm – 9:00 pm Speakers: **Mayer Eisenstein, MD, JD, MPH**

Room: South Pacific Ballroom – Room H

FRIDAY, DECEMBER 10, 2010

► **GET WOW NOW! DELIVER HAPPINESS & THRIVE: COMBINE TECHNOLOGY, ART & SERVICE**

Presented by Alma Lasers

Time: 1:00 pm – 2:00 pm Speakers: **Edward M. Zimmerman, MD**

Room: Islander Ballroom – Room D/E

► **OPTIMIZING OUTCOMES WITH SMARTXIDE DOT FRACTIONAL CO₂ LASER: 100 CONSECUTIVE PATIENTS TREATED**

Presented by DEKA Medical

Time: 2:00 pm – 3:00 pm Speakers: **Robert J. Troell, MD, FACS**

Room: Islander Ballroom – Room D/E

► **SUBLATIVE REJUVENATION**

Presented by Candela & Syneron

Time: 3:00 pm – 4:00 pm Speakers: **Dore Gilbert, MD**

Room: Islander Ballroom – Room D/E

► **NETWORKING RECEPTION AND FELLOWSHIP PINNING CEREMONY: WE INVITE YOU TO JOIN US FOR COCKTAILS AND HORS D'OEUVRES IN THE EXHIBIT HALL**

Watch the prestigious Fellows walk the stage for their Pinning ceremony and meet like minded individuals and health care professionals.

Time: 6:00 pm – 7:30 pm

Room: Exhibit Hall (Bayside D)

► **AN INTEGRATED APPROACH TO SCIENCE-BASED WEIGHT MANAGEMENT**

Presented by Life Extension

Time: 7:30 pm – 9:00 pm Speakers: **Steven V. Joyal, MD**

Room: South Pacific Ballroom – Room A/B

► **HOW TO GET SMARTER AS YOU GET OLDER**

Presented by Path Medical

Time: 7:30 pm – 9:00 pm Speakers: **Eric Braverman, MD**

Room: South Pacific Ballroom – Room D

SATURDAY, DECEMBER 11, 2010

► **YOU CAN WIN - ENTER YOUR “PASSPORT TO PRIZES” TO WIN A MERCEDES-BENZ C300**

How to Enter to Win: Pick up your entry form, “Passport to Prizes”, at Registration and fill out your contact details. Take it with you to each Mercedes-Benz Sponsor exhibit booth and have each sponsor stamp their logo square. Once it is completely stamped just drop it off at **Booth #635**.

To enter the competition you must be a registered conference delegate or expo visitor at the 18th Annual World Congress on Anti-Aging Medicine and Biomedical Technologies. Exhibitors, sponsors and their staff are not eligible to win.

Car Giveaway to be held on Saturday, December 11th at approximately 12:30pm Booth #635

BOARD CERTIFICATION

Establish Your Expertise as a Board Certified Anti-Aging Health Professional

► CERTIFICATION FROM THE AMERICAN BOARD OF ANTI-AGING MEDICINE / REGENERATIVE MEDICINE (ABAARM)

ABAARM was established in 1997 as a professional physician (MD, DO, MBBS, DPM) certification and review board which offers physicians recognition in the form of a specialty based examination in Anti-Aging medicine.

ABAARM/ABAAHP (Part I- Written) Review Course

December 8, 2010 from 7:00 pm – 9:00 pm
Mandalay Bay Hotel and Convention Center,
Las Vegas, NV USA
Room: South Pacific – Room C

ABAARM Written Examination

December 12, 2010 from 8:00 am – 11:00 am
Mandalay Bay Hotel and Convention Center,
Las Vegas, NV USA
Room: South Pacific – Room F

ABAARM (Part II- Oral) Review Course

December 8, 2010 from 7:00 pm – 9:00 pm
Mandalay Bay Hotel and Convention Center,
Las Vegas, NV USA
Room: Islander Ballroom – Room H

ABAARM Oral Examination

December 9-11, 2010
Mandalay Bay Hotel and Convention Center,
Las Vegas, NV USA (check with Board Registrar or
A4M Service Area for exact room assignment and to
confirm examination time)



► CERTIFICATION FROM THE AMERICAN BOARD OF ANTI-AGING HEALTH PRACTITIONERS (ABAAHP)

ABAAHP, established in 1999, provides recognition and specialty representation for healthcare professionals, including Doctors of Chiropractic (DC), Doctors of Dentistry (DDS), Naturopathic Doctors (ND), Registered Pharmacists (RPh), academic researchers (PhD), nurses (RN), physician assistants (PA), nurse practitioners (NP), and Acupuncturists.

ABAARM/ABAAHP (Part 1 - Written) Review Course

December 8, 2010 from 7:00 pm – 9:00 pm
Mandalay Bay Hotel and Convention Center, Las Vegas, NV USA
Room: South Pacific – Room C

ABAAHP Written Examination

December 12, 2010 from 8:00 am – 11:00 am
Mandalay Bay Hotel and Convention Center, Las Vegas, NV USA
Room: South Pacific – Room F



To learn more about Board Certification/Certificate Programs of the American Academy of Anti-Aging Medicine, visit www.worldhealth.net, click on "Certifications." For inquiries, please call Board Registrar at 1-888-997-0112 or send an email to boards@a4m.com

MAXIMIZE THE SUPERIORITY OF CUSTOMIZED NUTRITIONAL SUPPLEMENTATION



At NutriLab, we specialize in custom compounding of nutritional supplements that meet the unique health needs of patients and practitioners.

We work closely with you to customize the best possible nutritional supplement for your patients to address their health problems – whether it's nutritional deficiencies, free radical damage, and fortifying the body's defense systems. Each CustomVite® supplement is exclusively compounded and customized for an individual patient – no two formulas are alike.

CUSTOMVITE IS AVAILABLE EXCLUSIVELY TO HEALTHCARE PROFESSIONALS!

VISIT US IN BOOTH 126

TO LEARN MORE ABOUT THE
CUSTOMVITE INCOME OPPORTUNITY
AND HOW YOU CAN BECOME A
CUSTOMVITE PRACTITIONER
*and to receive 50% off
your personal customized
nutritional supplements.*

CustomVite®
PERSONALIZED NUTRITIONAL SUPPLEMENTS

NutriLab, LLC, a division of Stella Pharmaceutical Company Inc.

P.O. Box 895, 260 Docks Corner Road, Dayton, NJ 08810 Tel: 800-379-9979 Fax: 800-379-6374

www.customvite.com

Practice Highlights



WEST-KY ABRAMS, DO, PA

“Just try a module and find out for yourself,” stated the A4M representative behind the booth almost 4 years ago. I was attending a traditional primary care conference and was hesitant to say the least. Three years later, I finally did try a module and it has been an intense year of true rejuvenation for the love of medicine.

Do you, the reader of this article, realize the power you can have just listening to your patients and knowing where to begin treatment? You will be treating the cause of their problems/disease and not the symptoms. It is fulfilling when patients, one after another, thank you and tell you that you saved their life and now they send all of their friends and family to you. Do you know how it feels to hear over and over again that my doctor is not just good, he is great? I do know. I am living it every day.

Thank you A4M. Thank you to every speaker and every doctor I have met practicing functional medicine. Thank you Heidi Pepper Lein, Director of Education at A4M, for your power of persuasion. Most importantly, I thank my beautiful wife, Kelly, for her support and encouragement to continue and complete the Fellowship and enroll in the Master’s Program.



LISBETH ROY, DO

Through my training in the A4M fellowship I have found real answers to questions and real solutions to the cause of my patient’s health challenges. I feel confident in my treatment plan that includes lifestyle change recommendations, and often bio-identical hormone intervention. Therefore, I am successful in helping to empower my patients to change their actions which results in a significant change in how they feel, overall quality of life and the confidence with which they move in the world. I love my practice of Anti-Aging and Regenerative because my patients not only feel better but they are better. It is very rewarding as a physician to practice a science based medicine; one that makes sense to me as well as to my patients. I prescribe medicines, hormones and/or lifestyle interventions that are based in biochemistry and physiology. This means that the response is most often predictable and I can feel confident that together we are healing the body and not simply masking symptoms to later have to deal with negative treatment side effects. Recently, JAMA has called on all physicians to prescribe LIFESTYLE changes as “first line therapy” in the case of Metabolic Syndrome, Hypertension, Dyslipidemia and Diabetes. It is because of my training through the A4M that I am fully equip to design treatment protocols that are effective in reversing these processes and therefore helping my patient regain control of their present and future lives. I am grateful!



MARIE DEL VECCHIO, MD

My affiliation with A4M has totally transformed the way I practice medicine! After more than twenty years of traditional Internal Medicine, I was frustrated and unhappy. After attending my first A4M conference, I realized there is a better way. I immediately incorporated what I learned into ailing practice.

Traditional medicine does not focus on disease prevention or the individual patient. I wanted to allow my patients to look good, as well as feel good. My first step was to complete the Aesthetic Fellowship. The training is outstanding. As I continue to work in this field, I see that my knowledge base and the techniques, which I learned in the fellowship, formed a sturdy foundation to build upon. My journey continues, as I now complete the Fellowship in Anti-Aging Regenerative Functional Medicine and masters program.

Rarely, in the past did I make as much impact on my patient's health as I do now. My practice is flourishing and I enjoy medicine again!



AJITH NAIR, MD, MPM

Having practiced pain management for the last 15 years and achieving success most of the time with my patients there was always something that was missing. I wasn't able to give back to my patients that desire to live life to its fullest. Patients have a multitude of issues to deal with on a daily basis- stress, weight issues, substance abuse or just feeling devoid of energy and vitality. Nearly every patient that walks through my door is on at least 3-4 medications. Unfortunately, the present medical system is focused on symptom management only instead of disease prevention and wellness maintenance.

My interest in Anti-Aging started with helping my wife get through PCOS. Anyone who has dealt with it knows how frustrating it is for the patient and her family.

Applying all the knowledge and clinical pearls gained from the various Modules at A4M helped improve my wife's quality of life. I am now able to help thousands of patients get through their lives in a vibrant way with a focus on health maintenance. The motto in our office is "No patient left behind"

I want to thank Dr. Goldman, Dr. Klatz and Dr. Smith for giving us the opportunity to be the type of doctors we truly are – individuals genuinely caring for patients and providing medical care that works!



SHERIEN VERCHERE, MD

I am a board certified anesthesiologist and have been practicing anesthesiology for the past 12 years. My interest in the American Academy of Anti-Aging stemmed from the fact that I personally had a suspicious lesion on my annual mammogram. I searched for answers and underwent treatment from an Anti Aging Physician in town. In six months the calcifications on the mammogram DISAPPEARED!! My surgeon was in shock and asked what I was exactly doing!!

I searched for the best source of education for me to learn anti-aging, prevention and regeneration. I asked around and called the A4M and Mr. Michael Ortiz has been invaluable to my education. He encouraged me and I took the written exam the first time I went to the A4M conference in Orlando April 2009. I enrolled in the fellowship program and have been very impressed by the knowledge that I acquired. I have been able to help myself, my family members and my patients. Chronic degenerative diseases are preventable. All the time and money spent attending the fellowships are well worth the investment So, instead of treating your patients symptoms, come and learn how to treat the causes of chronic degenerative diseases and improve your patients quality of physical, mental and sexual life.

2011 & 2012 Academic Program



The American Academy of Anti-Aging Medicine Conference Program Committee would like to give you the opportunity to submit your abstract for speaking at the 19th and 20th Annual World Congress on Anti-Aging Medicine & Regenerative Biomedical Technologies.

All abstracts should be focused on clinical interventions and be applicable to the specialty of Anti-Aging Medicine. Those articles that focus on current events in disease and society will be given priority. **All content should be absent of commercial statements and/or product endorsement.**

Please include the following:

- Four Scientific References
- Three Learner Objectives
- Speaker's CV/Resumé

The Conference will be held as follows:

Winter 2011 – Las Vegas, NV – December 8 – 10, 2011 – SUBMISSION DEADLINE: May 30, 2011
Spring 2012 – Orlando, FL – SUBMISSION DEADLINE: August 31, 2011

Once received, your abstract and application will be reviewed by the A4M Program Committee and a decision will be communicated to you shortly thereafter. Please send all of the required materials to program@a4m.com. Please specify the name of the event you are applying for.

Thank you,

A4M Scientific Program Committee

Is Your Skin On The System?

Dramatic improvement in the appearance of:

- fine lines, wrinkles, photoaging
- acne
- rosacea
- skin discoloration

...and so much more!



CLEANSE **REJUVENATE** **RESURFACE** **HYDRATE** **PROTECT**
Step 1 Step 2 Step 3 Step 4 Step 5

SKIN CARE MANAGEMENT SYSTEM™

Exclusively by JAN MARINI SKIN RESEARCH®

JANMARINI
SKIN RESEARCH®

For the science behind your beautiful skin...

T (800) 347-2223 F (408) 362-0140 JanMarini.com

NUTRITIONAL and GENETIC





Strategies for LONGEVITY

By Mark R. Bartlett, PhD



Abstract

A genomic understanding of aging is paving the way to identify interventions that can have significant impact on the aging process. The polymorphic nature of aging indicates that any anti-aging strategy has to start with a better understanding of genes that affect tissue viability.

Our anti-aging approach has always centered on the foundation of good macro and micro-nutrition, including the consumption of plentiful plant-

based antioxidants and phytonutrients. However recent advances, especially with the mapping of the human genome and the subsequent development of DNA microarrays provide (a) an opportunity to explore the mechanisms of aging and (b) the tools to begin addressing aging at its most fundamental level. We believe that if we are to widen the gap between chronological and biological age we must better understand the role of gene expression in aging and how dietary ingredients interact with gene expression in a positive way.

Introduction

Aging is not an episodic process; rather, it is the consequence of a continuum of cumulative damage occurring at the molecular, cellular and tissue levels. The rate of aging rests on factors, internal and external, that can either positively or negatively influence the balance between tissue preservation or repair, and damage. Attenuation of aging is entirely dependent on mitigating such molecular damage by augmenting protection and compensatory repair mechanisms or slowing the degenerative processes. In a practical sense we've all probably witnessed clear discrepancies between chronological and biological age in certain individuals. And while it has been proposed that genetic factors contribute to the phenomenon of people looking old, or young, for their years, most of us intuitively suspect that there are some environmental components over which we wield a certain amount of control. Therefore, if we are to widen the gap between chronological and biological age, we must understand the various mechanisms involved in aging and devise effective strategies that turn these mechanisms in favor of tissue protection or repair and regeneration. The question we are asking is: what



FIGURE 1: LGT identified biomarkers of age across seven strains of mice (5 months vs. 28-30 months old) so that only the most conserved relevant patterns of age-related gene expression markers were considered. RTqPCR was used to confirm a panel of 10-20 genes in each tissue.

are the lifestyle factors and nutritional components that may assist us in taking control of our own aging process so that we can age healthily and reduce age-related morbidity?

Macro and Micro Nutrition

A major factor in healthy aging involves what, and how much, we eat. There is ample evidence that poor nutrition, which includes overeating and poor nutrient density, is linked with an increased risk for many degenerative diseases including heart disease, diabetes and cancer. It is now also becoming clear that even marginal micronutrient deficiencies over time lead to accelerated aging.¹ Deficiencies in several different micronutrients including folic acid, vitamin D and Magnesium lead to DNA damage and accelerate age-related mitochondrial dysfunction; which in turn leads to further oxidative damage to DNA, RNA, proteins and membrane lipids leading to functional decline in mitochondria, cells, tissues and organs. Since multiple studies and extensive government-commissioned surveys point to the widespread nature of inadequate dietary intakes of fruits and vegetables (and therefore vitamins and minerals)² it seems prudent that all individuals either improve their diets or supplement their diets with a multi-vitamin mineral supplement to ensure that there are no shortfalls in essential nutrients.

Free-radical Biology and Antioxidants

A leading hypothesis of aging is based on the free radical theory of aging by Harman³ who argued that oxygen-free radicals produced during normal cellular respiration cause cumulative damage to molecules which progressively leads to loss of functionality of the organism. Since Harman's theories were first proposed, a huge body of literature has emerged providing evidence that free radicals and oxidative stress are involved in many disease states, especially age-related degenerative disease. Although oxidative stress may be a significant factor associated with aging, it is clearly not the only contributor and recently evidence is emerging to support the concept that

vitamins, minerals, and phytonutrients not only fight free radicals, but they exert perhaps even more powerful anti-aging effects through a non-antioxidant role. Phytonutrients, many of which are antioxidants, also influence the expression or activity of factors involved in aging including, for example, sirtuins, AMPK, NFKB and PGC-1 alpha to name a few.⁴⁻⁶ Thus it is becoming increasingly clear that the phytonutrients we thought were merely antioxidants are also capable of modulating gene expression.

Gene Expression Science

It is clear that a nutraceutical approach to anti-aging must take into account the polymorphic nature of aging, and that the crosstalk among multiple genes plays a more important role than the action of a single gene in mediating the survival of an organism. Since the development of DNA microarrays that allow scientists to measure the work output of all of the genes in a single experiment, it is now possible to rapidly explore the differences in the expression of multiple genes between two or more biological conditions in a single experiment. Our research and development team at Nu Skin became intrigued with the possibility of measuring the aging process objectively at the genetic expression level after reading some of the exceptional work published by Weindruch, Prolla and colleagues (LifeGen Technologies, LLC) (LGT) wherein a powerful technique of differential expression analysis was being used to conduct genome-wide searches for consistent changes in gene expression patterns that occur during the aging process.^{7,8}

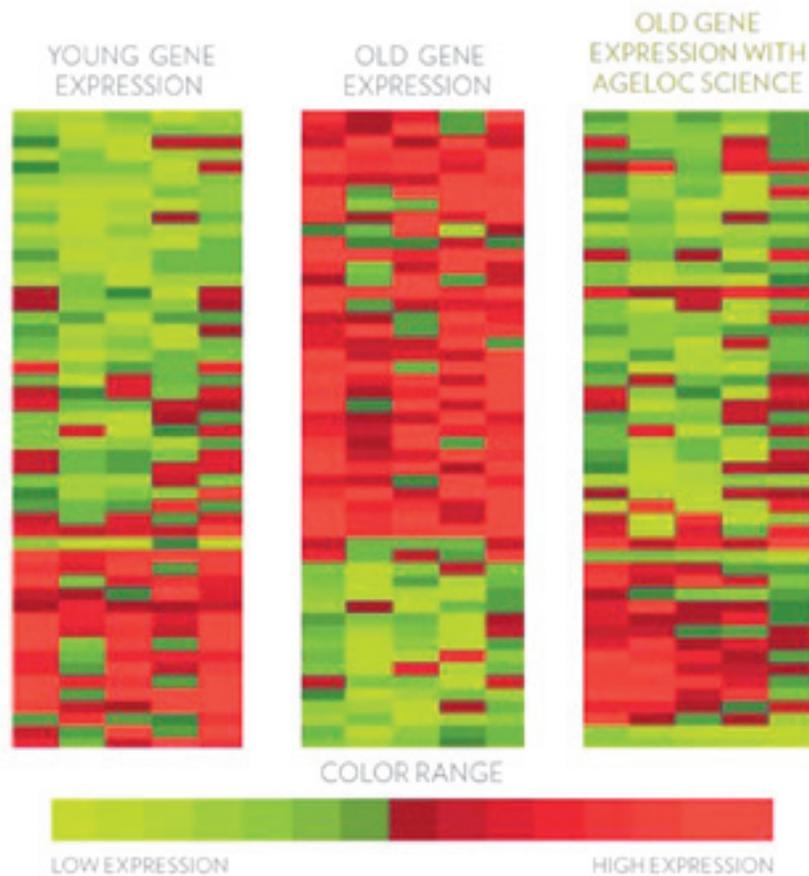
Studies using whole-genome transcriptional profiling typically identify thousands of genes that are changed in expression with age. Since many of these age-related changes are not universal, but rather are specific to the genetic background of the organism being studied, LGT identified biomarkers of age across seven strains of mice (5 months vs. 28-30 months old) so that only the most conserved relevant patterns of age-related gene expression markers were considered. Moreover, these analyses were performed in three tissues (heart,

cerebral cortex and gastrocnemius) and real-time quantitative PCR was used to confirm a panel of 10-20 genes in each tissue. Data generated from such a model are not only of a higher standard of rigor, but they are more likely to be applicable to human aging as well. Using this approach statistically robust patterns, or signatures, of youthful and older gene expression have emerged which enabled us to essentially measure aging at the genetic level. The possibility now existed to screen for ingredients or formulations for their ability to retard the aging process. This is the procedure that Pharmanex has adopted in collaboration with LGT to target aging at the source, gene expression, in an approach that we call ageLOC science.

Microarrays, Databases and Bioinformatics as a Guide to Product Development

In our first screening experiment certain ingredients emerged for their abilities to reset gene expression to that of a more youthful pattern. A particular preparation of pomegranate, for example, was the most effective compound tested, opposing 32-65% of the overall aging change depending on the tissue studied. Other ingredients and formulations also emerged as having potent effects on gene expression that attenuated age-associated patterns of expression. The results of our first round of screening provided an important insight into ingredients that influence gene expression in a positive way and served as an important foundation to further product development.

In addition to helping identify individual gene expression signatures associated with aging, DNA microarray technology in conjunction with gene databases and bioinformatics can also be used to identify the expression levels of groups of genes that work together to serve a particular metabolic pathway. We added the use of such pathway analyses to our repertoire of microarray-related gene tools to help further guide our product development in formulating anti-aging products by applying it to the concept of age-related vitality loss. One of the earliest manifestations of human aging is a decline in vitality. Mitochondrial



Transcriptional Biomarkers of Mitochondrial Aging and Modulation by Cordyceps Sinensis Cs-4.
Gordon Research Conference, Biology of Aging, Determinants of Health-Span: From Cells to Humans,
August 22-27, 2010, Les Diablerets Conference Center, Les Diablerets, Switzerland.

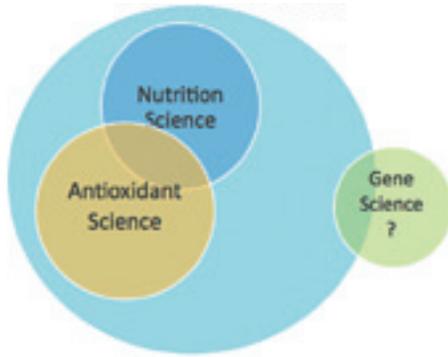
FIGURE 2: This heat map illustrates gene expression of three groups from a pre-clinical test with one of the ageLOC Vitality ingredients: young (column 1), old (column 2), and old with ageLOC science (column 3). Each row represents one of 52 genes comprising the mitochondrial Youth Gene Cluster (mtYGC). Columns 1 and 2 show that each of the 52 genes became more or less active during the aging process. In column 3, the YGC activity pattern of the old with ageLOC science group has been reset to a gene expression pattern similar to the young group in column 1.

dysfunction associated with aging yields bioenergetic defects within the cell⁹ that exert profound effects on physical and mental vitality. Our goal was to identify and target functional gene clusters associated with mitochondrial aging.

In our attempt to identify these gene pathways we found that of 20,687 gene transcripts measured by the Affymetrix Mouse Genome array, 1241 were associated with the mitochondria by pathway ontology (using a gene ontology database). After our murine feeding studies and microarray screening we found that 172 of these genes changed in expression during aging in cerebral cortex tissue. In gastrocnemius tissue 220 genes changed with age. Cs-4 opposed the age-related changes in 52 of these genes ($P < 0.05$). In addition,

Cs-4 opposed the effects of aging in several gene ontology pathways. In essence we were able to identify mitochondrial-related nuclear encoded genes which changed consistently in expression with age, or mitochondrial youth gene clusters (YGC). A number of natural compounds were screened for their ability to reset the expression profile of these genes to a more youthful level. One ingredient, Cordyceps sinensis Cs-4 (Cs-4)¹⁰ was shown to markedly attenuate these age-related gene expression changes in the mitochondria, suggesting its potential use as a therapeutic intervention of age related vitality loss. Ongoing studies are utilizing this technique to investigate the effects of a variety of natural ingredients in brain, muscle and other tissues, but the sum of such explorations

Anti-aging Science: where we were:



Anti-aging Science Now

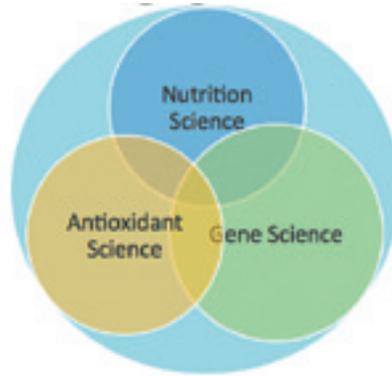


FIGURE 3: Mainstream anti-aging approaches for years have centered on the foundation of good macro and micro-nutrition and antioxidants. However it is becoming increasingly clear that some of the phytonutrients we thought were merely antioxidants are also capable of modulating gene expression and play a role in aging.

so far, into the ability of certain natural products to influence gene expression in a positive way, has provided strong guidance to our product development process targeted at attenuation of the aging process.

Functional Studies

The techniques that we have used for studying gene expression have not disappointed us in their promise as tools to explore the mechanisms of aging and drive us towards meaningful product development strategies. We see great promise in the ability of certain nutraceutical ingredients and formulations to have a marked effect on gene expression to oppose age-related changes. The next logical step is to support these gene expression data with functional studies. Indeed, the ingredients that we selected for gene expression screening were based on promising functional studies that had already been performed. However, to close the circle, we have followed up these promising gene expression data with further functional, safety and efficacy studies in both animals and humans. Some of these studies are already completed and have provided positive correlation and confirmation of the gene expression data; other studies are still underway.

Conclusion

Since aging can be considered as a function of how genes respond to

diet and environmental perturbations through gene expression while maintaining their primary function to survive, we chose to exploit a gene expression approach to screen several nutraceutical ingredients and formulations for their effects on retarding the aging process. We called this approach ageLOC science. Our first foray into this approach involved targeting age-related vitality loss through an exploration of the gene expression changes involved in mitochondrial aging. We identified tissue-specific functional YGCs, or signatures of gene expression changes associated with mitochondrial aging and screened for ingredients that restored the more youthful pattern of gene expression. Functional studies have confirmed the promise offered by the gene expression study results. It is our opinion that while a foundation sound of nutrition and a positive lifestyle are key to healthy aging and compression of morbidity, there is much to be gleaned from an understanding of gene expression as it relates to the aging process as we pursue the goal dying young - as late in life as possible. ♦

REFERENCES:

1. Ames BN. Low micronutrient intake may accelerate the degenerative diseases of aging through allocation of scarce micronutrients by triage. *Proc Natl Acad Sci U S A* 2006 November 21;103(47):17589-94.

2. Site-specific trends in fruit and vegetable consumption among adults--United States, 2000-2009. *Morbidity and Mortality Weekly Report (MMWR)* 2010;59(35):1125-64.
3. Harman D. Aging: a theory based on free radical and radiation chemistry. *J Gerontol* 1956 July;11(3):298-300.
4. Bengmark S. Curcumin, an atoxic antioxidant and natural NFkappaB, cyclooxygenase-2, lipoxygenase, and inducible nitric oxide synthase inhibitor: a shield against acute and chronic diseases. *JPEN J Parenter Enteral Nutr* 2006 January;30(1):45-51.
5. Kim JH, Park JM, Kim EK et al. Curcumin stimulates glucose uptake through AMPK-p38 MAPK pathways in L6 myotube cells. *J Cell Physiol* 2010 June;223(3):771-8.
6. Davis JM, Murphy EA, Carmichael MD, Davis B. Quercetin increases brain and muscle mitochondrial biogenesis and exercise tolerance. *Am J Physiol Regul Integr Comp Physiol* 2009 April;296(4):R1071-R1077.
7. Barger JL, Kayo T, Vann JM et al. A low dose of dietary resveratrol partially mimics caloric restriction and retards aging parameters in mice. *PLoS ONE* 2008;3(6):e2264.
8. Prolla TA, Weindruch RH, Lee CK, Kayo T; Wisconsin Alumni Research Foundation, assignee. Methods of screening for compounds that inhibit expression of biomarker sequences differentially expressed with age in mice. Wisconsin patent 7,091,449. 2006.
9. Lanza IR, Nair KS. Mitochondrial function as a determinant of life span. *Pflugers Arch* 2010 January;459(2):277-89.
10. Zhu JS, Halpern GM, Jones K. The scientific rediscovery of a precious ancient Chinese herbal regimen: Cordyceps sinensis: part II. *J Altern Complement Med* 1998;4(4):429-57.

▶ Dr. Bartlett has degrees in Biochemistry and Organic Chemistry from the Australian National University and a Ph.D. in Immunology and Cell Biology from the John Curtin School of Medical Research in Canberra, Australia. In Australia he conducted research on cardiovascular disease with an emphasis on the role of reactive oxygen species and free radicals. He also studied the role of blood platelets in heart disease, and helped publish the first scientific report of a biochemical link between cigarette smoking and atherosclerosis.

Later Dr. Bartlett became interested in autoimmune inflammatory diseases and examined a number of plant-derived substances for their ability to inhibit graft rejection, inhibit cancer metastasis - or spreading - as well as natural products that were able to inhibit autoimmune disease.

Before joining Pharmanex Dr. Bartlett was a visiting scientist at the National Institutes of Health, National Cancer Institute in Bethesda, MD where, at the National Cancer Institute, he investigated the interaction of T-cells with the blood vessel wall, and the role of various adhesion molecules that are used by these cells to communicate with one another. He is currently the Vice President of Global Research and Development for Pharmanex.

Booth 615



SpectraCell Laboratories utilizes advanced technology in intracellular nutritional testing, offers advanced assessment of cardiovascular risk through particle measurement and provides innovative diagnostic analysis in the field of anti-aging medicine through our exclusive Telomere Testing.



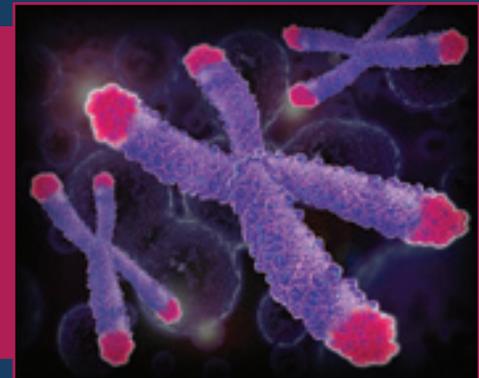
Micronutrient
Testing



LPP Lipoprotein
Particle
Profile™

ADVANCED TESTING FOR CARDIOVASCULAR RISK

NOW AVAILABLE!
Telomere Testing
A New Tool for Age Management



Call SpectraCell Laboratories Today!

800.227.LABS (5227)

or visit us at www.SpectraCell.com



TABLE OF CONTENTS

Abstracts

* **THURSDAY**, December 9, 2010

GENERAL SESSION

PALLADIUM LIPOIC ACID COMPLEX: A NON-TOXIC METABOLICALLY TARGETED CHEMOTHERAPY MOLECULE _ 45
Paul D. Rothwell, MD, FAAPF

INTRAVENOUS NUTRIENT THERAPY: THE MYERS COCKTAIL _ 45
Alan R. Gaby, MD

SEARCHING FOR THE FOUNTAIN OF HEALTH: HOW THE AGE WAVE WILL TRANSFORM HEALTH AND HEALTHCARE _____ 45
Ken Dychtwald, PhD

ONE SOLUTION FOR THE WHEEZING AND OTHER ASPECTS OF CHILDHOOD ASTHMA _____ 46
Jonathan V. Wright, MD

PUTTING IT ALL TOGETHER: THE NUTS AND BOLTS HORMONES, NUTRITION, DEXTOXIFICATION, BODY & MIND CASE STUDIES _____ 46
Sangeeta Pati, MD

TRACK 1 - WEIGHT MANAGEMENT & NUTRITIONAL THERAPIES

NUTRITION AND LIFESTYLE INTERVENTION FOR WEIGHT MANAGEMENT AND LONGEVITY _____ 46
Wayne Anderson, MD

INDIVIDUALIZING NUTRITIONAL SUPPLEMENTATION THROUGH ASSESSMENT OF LIVER GENOMICS _____ 48
Robin Bernhoft, MD, FACS

INTEGRATIVE APPROACHES TO DETOXIFICATION _____ 48
Isaac Eliaz, MD, MS, L.Ac.

A DIET FOR HEALTH AND LONGEVITY. HOW DO WE GET THERE? _____ 49
Bruce N. Ames, PhD

A NUTRITIONAL APPROACH TO MANAGEMENT OF OVERWEIGHT AND OBESE SUBJECTS WITH METABOLIC SYNDROME; WEIGHT LOSS AND CARDIAC RISK REDUCTION _____ 49
Robert Lerman, MD

AMPLIFYING HCG WEIGHT LOSS WITH THERMOGENESIS: AN ADVANCED CLINICAL PROTOCOL _____ 50
Ester S. Mark, MD

TRACK 2 - WOMEN'S HEALTH

HOW TO USE HORMONES WHILE MINIMIZING THE RISK OF BREAST CANCER _____ 50
Khalid Mahmud, MD, FACP

BREAST HEALTH: NEW TREATMENT PARADIGMS IN ANTI-AGING MEDICINE _____ 52
Peggy Watson, MD

SIZING UP MENOPAUSAL METABOLISM: MID-LIFE WEIGHT GAIN; HOW TO STOP IT AND MANAGE WEIGHT SUCCESSFULLY _____ 52
Erin Lommen, ND

TESTOSTERONE USE IN WOMEN - EVERYTHING YOU EVER WANTED TO KNOW, BUT WERE NEVER TAUGHT IN MEDICAL SCHOOL _____ 53
Michael Buckley, BPharm, MPS, CD

WOMEN'S ISSUES: A DISCUSSION BETWEEN TWO DOCTORS 54
Gordon Pedersen, MD and Sherrill Sellman, ND

TRACK 3 - CANCER THERAPIES

CANCER: NON-TOXIC THERAPIES _____ 54
Mark Rosenberg, MD

A PARADIGM SHIFT IN THE STRUCTURE OF CANCER _____ 56
Thomas Lewis, MD

WEIGHT MANAGEMENT EQUALS CANCER MANAGEMENT _ 56
Olivier Wenker, MD, MBA, ABAARM, DEAA

ADVANCES IN CANCER IMAGING: IMPLICATIONS FOR DIAGNOSING, TREATING AND REVERSING PROSTATE AND OTHER CANCERS WITH NON-INVASIVE MONITORING AND NUTRITIONAL INTERVENTION _____ 57
Robert Bard, MD and Arthur W. Bartunek, MA

TRACK 4 - A PRACTICAL APPLICATION OF TREATING ADULT HORMONAL DEFICIENCY

INTRODUCTION TO ADULT HORMONE DEFICIENCY _____ 57
Ronald Rothenberg, MD

"SUB-LABORATORY" HYPOTHYROIDISM AND THE EMPIRICAL USE OF THYROID HORMONE _____ 58
Alan R. Gaby, MD

TRACK 5 - ADVANCES IN ANTI-AGING MEDICINE
EPIGENETIC LOOK AT AGING _____ 58

Azad Rastegar, BA

RICE AND SOY EXTRACT DERIVATIVES AND AMINO ACIDS TOGETHER MAY ASSIST IN THE BATTLE AGAINST TELOMERE SHORTENING AND ABNORMAL CELL PROLIFERATION _____ 60

Raif Tawakol, MD

GENE THERAPY IN VASCULAR METABOLIC DISEASE _____ 60

Enoc Chambi, MD

FISH OIL FACILLACIES: PHYSICIANS AND PATIENTS BEWARE _ 61

Brian Peskin, BS

FROM ANCIENT REMEDY TO MODERN MEDICAL MARVEL - BIOACTIVE SILVER HYDROSOL - A NEW BREAKTHROUGH IN INTEGRATIVE MEDICAL PRACTICE. _____ 61

Eric Rentz, DO

* **FRIDAY**, December 10, 2010

GENERAL SESSION

ADRENAL FATIGUE...DOES IT TRULY EXIT _____ 62

Lena D. Edwards, MD, FAARM

NANOTECHNOLOGICAL TELOMERE REJUVENATION IN ADULTS AND IN TISSUE CULTURE—KEY TO LONGEVITY _____ 64

Norman Shealy, MD, PhD

CONCUSSION: ALTERNATIVE APPROACHES TO BRAIN RECOVERY AND TREATMENT _____ 64

Joseph C. Maroon, MD and Jeff Bost, PAC

TESTOSTERONE: THREE MYTHS, ONE IMPORTANT TRUTH ___ 65

Abraham Morgentaler, MD

INTEGRATIVE BIOPHYSICS GOOD VIBES VS. BAD - THE NEW EMERGING FRONTIER _____ 65

Stephen Sinatra, MD

TRACK 1 - WEIGHT MANAGEMENT & NUTRITIONAL THERAPIES

WEIGHT CHANGES AROUND THE TRANSITION TO MENOPAUSE AND THE ROLE OF HORMONES _____ 65

Alan Terlinsky, MD, FACP

DIETARY KETOSIS IN THE TREATMENT OF OVERWEIGHT, OBESITY AND METABOLIC SYNDROME _____ 66

Dana Myatt, MD

WEIGHT MANAGEMENT IN OBESE CHILDREN _____ 66

Jared M. Skowron, ND

HCG AND WEIGHT LOSS: FACTS VS. MYTHS _____ 68

Deirdre S. Tuntland, PA-C

OVERCOMING WEIGHT LOSS RESISTANCE _____ 68

J.J. Virgin, PhD, CNS, CHFI

NEW SCIENCE OF FAT METABOLISM FOR WEIGHT CONTROL _ 69

Paul Tai, MD

TRACK 2 - MEN'S HEALTH

BEYOND TESTOSTERONE - PROGESTERONE FOR MEN; YOUTH'S BEST KEPT SECRET? _____ 69

Jay Mead, MD, FASCP

TESTOSTERONE: THREE MYTHS, ONE IMPORTANT TRUTH ___ 70

Abraham Morgentaler, MD

PLANT EXTRACTS FOR BENIGN PROSTATIC HYPERPLASIA _ 70

John Hall, PhD

HAIR RESTORATION: PRESERVING AND RESTORING THE AGING "FRAME" OF THE FACE _____ 72

Alan J. Bauman, MD

TRACK 3 - INNOVATIONS IN ANTI-AGING MEDICINE
HYALURONIC ACID (HA)- THE ANTI-AGING ANSWER FOR THE WHOLE BODY _____ 72

Chris D. Meletis, MD

INNOVATIONS OF REDOX BIOCHEMISTRY IN HEALTH AND AGING _____ 72

Gary L. Samuelson, PhD

REVERSING IMMUNE AGING IN HUMANS: RESULTS OF A STUDY USING A NATURAL PRODUCT TELOMERASE ACTIVATOR ___ 73

Joseph M. Rafaele, MD

VITAMIN E: A NEW PERSPECTIVE IN NUTRITION AND HEALTH _ 73

Andreas M. Papas, MSc, PhD

THE DIFFERENCES BETWEEN HYPOTHYROIDISM, FUNCTIONAL HYPOTHYROIDISM, AND FUNCTIONAL HYPOMETABOLISM _ 74

Nat Jones, RPh, FIACP Candidate

TRACK 4 - A PRACTICAL APPLICATION OF TREATING ADULT HORMONAL DEFICIENCY

OXYTOCIN: THE FEMALE BRAIN AND SEXUALITY FROM BIRTH TO OLD AGE _____ 74

Jorge Flechas, MD, MPH

TRACK 5 - ADVANCES IN ANTI-AGING MEDICINE
CLINICAL BIOCHEMICAL PARAMETERS FOR THE PRACTICE OF PREVENTATIVE MEDICINE _____ 76

E.K. Schandl, PhD, FACB, SC and C.A. Schandl, PhD, MD, DABP

PRACTICAL ONCOLOGICAL STRATEGIES FOR INTEGRATIVE MEDICAL PHYSICIANS _____ 76

Martin Dayton, MD

IMMUNOLOGICAL ASSESSMENT METHODS _____ 77

Kelly L. Olson, PhD

DETOXIFICATION OF CHEMICALS AND HEAVY METALS WITH CHLORELLA _____ 77

Randall E. Merchant, PhD

FIX YOUR JOINTS WITHOUT SURGERY - PROLOTHERAPY AND PRP _____ 77

Peter A. Fields, MD, DC

CLINICAL TRIAL OF SUBLINGUAL HCG AS A TREATMENT FOR OBESITY _____ 78

Eisenstein Mayer, MD

* **SATURDAY**, December 11, 2010

GENERAL SESSION

HYPOTHYROIDISM & ADRENAL FATIGUE _____ 78

James L. Wilson, ND

IODINE DEFICIENCY TESTING WITH DRIED URINE _____ 80

David Zava, PhD

BREAKING THE CARDIO-DIABETIC CONNECTION, A NEW PARADIGM FOR THE ANTI-AGING PHYSICIAN _____ 80

Frederic Vagnini, MD

CELL-BIOLOGY CHANGES DURING PATHOLOGICAL PROCESSES INVOLVED IN OBESITY _____ 81

Chen Chen, MD

ANTI-AGING MEDICINE: A PERSONALIZED APPROACH TO HEALTH CARE _____ 81

Pamela W. Smith, MD, MPH

**TRACK 1 – ADVANCES IN ANTI-AGING MEDICINE
MITOCHONDRIAL FUNCTIONAL GENE THRESHOLD CONTROL OF CELLULAR AGING** _____ 82

Bill Deagle, MD

LEPTIN, AGING, AND OBESITY _____ 82

Eric Braverman, MD

BENEFITS OF SYNERGIC APPLICATION OF PERIOPERATIVE IV & ORAL NUTRITION THERAPY _____ 84

Ferdinand Cabrera, MD

SUCCESSFUL HEALING AND ANTI-AGING WITH SPECIFIC LOW FREQUENCY E/M FIELDS _____ 84

Wolf-Dieter Kessler, MD, PhD

HORMONE DECEPTION: DETOXIFYING THE ENDOCRINE DISRUPTORS NATURALLY _____ 85

Debra Muth, NP, ND

WIRELESS RADIATION, CELL PHONES & ELECTRO-SENSITIVITY – CHALLENGES FOR AGING WELL IN THE DIGITAL AGE _____ 85

Kerry Crofton, PhD

TRACK 2 – STEM CELLS

STEM CELLS AND THE FUTURE OF REGENERATIVE MEDICINE _____ 86

Dipnarine Maharaj, MD

PLATELET RICH PLASMA AND STEM CELL INJECTIONS IN AN OFFICE SETTING _____ 86

Joseph Purita, MD

CATHETER-BASED TRANSENDOCARDIAL DELIVERY OF AUTOLOGOUS BONE MARROW-DERIVED CELLS IN PATIENTS WITH HEART FAILURE DUE TO DILATED CARDIOMYOPATHY _____ 88

Timothy Henry, MD

ADIPOSE-DERIVED MESENCHYMAL STEM CELLS VS. BONE MARROW-DERIVED MESENCHYMAL STEM CELLS _____ 88

Keith March, MD

CELL THERAPY IN CHRONIC CRITICAL LIMB ISCHEMIA - BONE MARROW ASPIRATION CONCENTRATE OR STROMAL VASCULAR FRACTION FROM LIPOASPIRATE _____ 89

Vaclav Procházka, MD

THERAPEUTIC AND REGENERATIVE POTENTIAL OF ADIPOSE-DERIVED STEM CELLS _____ 89

Vasilis Paspaliaris, MD, PhD

A VALIDATED METHOD FOR THE ISOLATION OF ADIPOSE DERIVED STEM CELLS AND THEIR IMPORTANCE IN REGENERATIVE MEDICINE _____ 89

Sharon McQuillan, MD

TRACK 3 – BREAKTHROUGHS IN ANTI-AGING MEDICINE

ANTI-AGING TRIAD: TELOMERES, STEM CELLS AND CALORIE RESTRICTION _____ 90

Stephen Holt, MD, PhD

THE EVOLUTION OF NUTRITIONAL SUPPLEMENTATION _____ 91

Mitchell J. Ghen, DO, PhD

CLINICAL INTERVENTIONS FOR ENVIRONMENTAL TOXINS, DETOXIFICATION METHODS AND DIAGNOSTICS FOR THE ANTI-AGING PRACTITIONER _____ 91

Rita Ellithorpe, MD

THE VITAMIN D ENDOCRINE SYSTEM AND BODY WEIGHT REGULATION _____ 92

Stephen Joyal, MD

**TRACK 4 – INNOVATIONS IN ANTI-AGING MEDICINE
HIGHLY EFFECTIVE SOLUTION FOR THE TREATMENT OF ANXIETY, DEPRESSION AND INSOMNIA DISORDERS WITH NO SERIOUS SIDE EFFECTS** _____ 92

Nancy E. White, PhD, LPC, LMFT, AAC

IS RESVERATROL A TRUE ANTI-AGING COMPONENT? _____ 94

Richard Baxter, MD

BUILDING SUCCESSFUL SYNDROME-BASED PROTOCOLS _____ 94

Leonid Ber, MD

AQUATIC INTERVENTION FOR LOW BACK PAIN AND RELATED DIAGNOSES _____ 95

Theresa R. Pantanella, OTD, MPA, OT/L

TRACK 5 – AESTHETICS MEDICINE

FRACTIONAL ABLATIVE RESURFACING – THE LAST ADVANCEMENT IN AESTHETIC MEDICINE _____ 96

Haneef Alibhai, MD

SKIN COLLAGEN: MORE THAN MEETS THE EYE _____ 96

Pierre Clero, MD

CELL ASSISTED AUTOLOGOUS FAT TRANSFER _____ 97

Sharon McQuillan, MD

* THURSDAY, December 9, 2010

GENERAL SESSION**PALLADIUM LIPOIC ACID COMPLEX: A NON-TOXIC METABOLICALLY TARGETED CHEMOTHERAPY MOLECULE***Paul D. Rothwell, MD, FAAFP*

Historically, IV Ascorbic Acid or Vitamin C has been used as an adjunct to cancer therapy for several decades. Newer research is beginning to validate Ascorbate's efficacy not only in cancer but in numerous other maladies not commonly relieved by conventional medical management. A synopsis of this data will be given. In addition, the Palladium Lipoic Complex (LaPD) continues to make strides in two FDA "investigational new drug" studies. The Palladium Lipoic Complex given IV is not only nontoxic, but has been effective in many cases of late stage cancer. Combinations of oral LaPD and IV Ascorbic Acid can also be effective in earlier stage cancer and data suggests that both can be given with conventional chemotherapy without interference with conventional therapy. Though often difficult, cooperation between Oncologists and experienced Integrative Therapists can be established with the ultimate benefit falling on the patient, effecting not only their quality of life, but the eventual outcome of their disease. Building such bridges of trust can be established with a spirit of cooperation rather than one of competition or criticism. The time has come for all of us to work together realizing that, in the case of cancer, no one treatment modality works. As a Family Physician who has witnessed the benefits of this holistic approach, I am prepared to share my experiences over the past 5 years. It has been a challenging, sometimes discouraging, yet wonderfully rewarding experience!

INTRAVENOUS NUTRIENT THERAPY: THE MYERS COCKTAIL*Alan R. Gaby, MD*

Building on the work of the late John Myers, MD, the presenter has used an intravenous vitamin-and-mineral formula for the treatment of a wide range of clinical conditions. The modified "Myers Cocktail," which consists of magnesium, calcium, B vitamins, and vitamin C, has been found to be effective against acute asthma attacks, migraines, fatigue (including chronic fatigue syndrome), fibromyalgia, acute muscle spasm, upper respiratory-tract infections, chronic sinusitis, seasonal allergic rhinitis, cardiovascular disease and other disorders. The presentation provides a rationale for the therapeutic use of intravenous nutrients, reviews the relevant published clinical research, describes the presenter's clinical experiences and discusses potential side effects and precautions.

GOALS & OBJECTIVES:

- List the clinical indications for intravenous nutrient therapy
- Cite and discuss relevant scientific research related to the clinical use of intravenous vitamins and minerals
- Discuss adverse effects and appropriate precautions related to intravenous administration of vitamins and minerals

SEARCHING FOR THE FOUNTAIN OF HEALTH: HOW THE AGE WAVE WILL TRANSFORM HEALTH AND HEALTHCARE*Ken Dychtwald, PhD*

This sweeping presentation provides a visionary glimpse into the future of the body, health and healthcare. How long might we live? Will our later years be a time of health and vitality or illness and disability? Are we heading toward "Shangri-la" of "Geriatric Park"? What are the new frontiers of medicine—from genomics, anti-aging therapies, therapeutic cloning and virtual surgery to pharmaceuticals, cosmeceuticals and nutraceuticals? What role will consumer empowerment and self-care play in the new healthcare marketplace? This presentation previews how rising longevity, the aging of the boomer generation and increasingly self-empowered consumers are converging to create a new path to the fountain of health.

ONE SOLUTION FOR THE WHEEZING AND OTHER ASPECTS OF CHILDHOOD ASTHMA

Jonathan V. Wright, MD

An approach to elimination of wheezing in childhood asthma drawn from clues published in the medical literature from the 1930s through the 1980s. Not only can this approach eliminate asthmatic wheezing, but it also addresses the non-pulmonary origin of the basic problem underlying much childhood asthmatic wheezing and associated health problems, many of them latent or asymptomatic in childhood.

GOALS & OBJECTIVES:

- Become familiar with early research and treatment lost in today's approach
- Learn treatment methods for asthma that can be immediately implemented in patient care
- Understand other health implications of the underlying conditions of childhood asthma

PUTTING IT ALL TOGETHER: THE NUTS AND BOLTS HORMONES, NUTRITION, DEXTOXIFICATION, BODY & MIND CASE STUDIES

Sangeeta Pati, MD

The current medical model is oriented towards the alleviation of symptoms and the treatment of disease. If we have high blood pressure; we can use a B-blocker. If we have gastric reflux; we can block acidity. If we have arterial stenosis; we can stent the artery or bypass it. If we have high cholesterol, we can suppress HMG-CoA reductase. If we get cancer, we try to remove it and destroy it. Multiple imbalances that collect over time contribute to these diseases including arthritis, arteriosclerosis, diabetes and cognitive decline. Multiple imbalances contribute to symptoms such as fatigue, weight gain, low sex drive, anxiety, depression and the litany of symptoms that plagues us with age.

In this presentation learn about a model, *through case presentations*, which we have used for 5 years to restore optimal health to those with fatigue, weight gain, low sex drive, depression, anxiety, insomnia, fibromyalgia and chronic fatigue.

GOALS & OBJECTIVES:

- How to apply a model addressing 1) hormones, 2) nutrients, 3) toxins, 4) mind, and 5) body
- Why hormone therapy alone does not allow a full restoration to an optimal state
- How to help patients come off anti-depressants, anti-anxiolytics, hypnotics, H2-blockers, allergy medications and statins
- How to integrate homeopathy, acupuncture, chiropractic care, mind and body interventions to affect a better result

TRACK 1 - WEIGHT MANAGEMENT & NUTRITIONAL THERAPIES

NUTRITION AND LIFESTYLE INTERVENTION FOR WEIGHT MANAGEMENT AND LONGEVITY

Wayne Anderson, MD

Dr. Andersen's lecture is based on the latest clinically proven treatment methods which he has personally been refining over the last 9 years. In that time Dr. Andersen and his colleagues have helped over 100,000 people lose weight and improve their health. These evidence based, scientifically proven protocols can immediately be implemented by anti-aging practitioners giving them the knowledge they need to help reverse one of the key risk factors of premature aging.

GOALS & OBJECTIVES:

- The goal of this lecture is to shift the emphasis away from passive reaction to disease and toward individual responsibility for health
- To teach health care practitioners how to encourage people to create health in the first place, rather than stand by while the negative forces of our society erode their health

How Can the Use of Activated Adipose Stem Cells Enhance Your Practice?

Adistem's autologous, single setting procedure provides an ethical and economical solution.

Allowing you to...

Keep up with patient demand for the latest stem cell techniques.

While offering...

Regenerative results with cosmetic procedures.



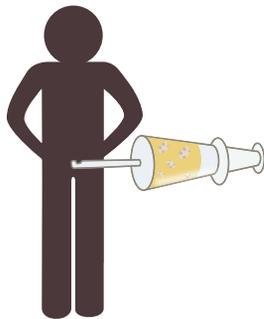
Harvest



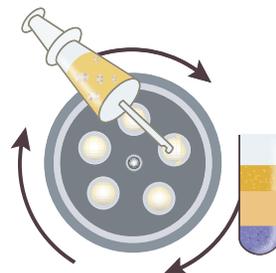
Separate



Activate



1 Extract 40 cc lipoaspirate.



2 Separate stem cells from lipids.



3 Activate cells with AdiLight-1 LED.

Cosmetic, Regenerative, and Anti-aging applications of adipose derived stem cells activated with autologous PRP and utilizing Adistem's revolutionary LED Photomodulation Technology include:

Cell Enriched Fat Grafting,
Breast Augmentation with Live Tissue, Implant Removal, Post Lumpectomy
Skin Rejuvenation with Stem Cell and PRP Injections
Scar Revision, Acne, Hair Transplant/Alopecia,
Arthritis, Autism, Alzheimer's, Diabetes, Emphysema, Parkinson's

Make your harvest work for you. Stem cell enhanced adipose tissue is the future of cosmetic and regenerative medicine. Don't be left behind.

- Case Studies will be given throughout the lecture and Dr. Andersen will take questions and make copies of clinical studies and patient support tools available to interested attendees

INDIVIDUALIZING NUTRITIONAL SUPPLEMENTATION THROUGH ASSESSMENT OF LIVER GENOMICS

Robin Bernhoft, MD, FACS

One of the dominant theories of aging relies on mitochondrial and other subcellular damage due to oxidative stress. Biochemically, oxidative stress appears to occur in part due to the effects of accumulated toxins such as heavy metals and volatile organic chemicals, and in part due to genetic variations (Solitary Nucleotide Polymorphisms, or SNPs) affecting superoxide dismutase and various enzymes involved in detoxification.

Not every patient responds favorably to every nutraceutical supplement, nor to every therapy. The wide range of responses to various stresses, toxins and therapies is largely due to biological individuality. For example, according to several university studies, between 100,000 and 250,000 patients die each year in the United States from properly prescribed pharmaceuticals. Many of these deaths result from known SNPs (solitary nucleotide polymorphisms) in Phase I cytochrome enzymes which process pharmaceuticals. These deaths are, in theory, preventable, since those enzymatic defects can be identified at moderate cost. Similar variability in response to nutritional supplements occurs because of SNPs in enzymes governing metabolism of these supplements.

Both positive and idiosyncratic reactions can often be predicted by a search for SNPs in the patient's detoxification enzyme systems, using commercially available panels.

GOALS & OBJECTIVES:

- How to treat the individual patient – not a one size fits all
- Discuss the variability in response to nutritional supplements

INTEGRATIVE APPROACHES TO DETOXIFICATION

Isaac Eliaz, MD, MS, L.Ac.

In this presentation Dr. Eliaz will discuss the assessment and clinical strategies of detoxification with focus on patients with chronic illnesses and cancer, drawing from his studies and extensive clinical experiences as an integrative physician, licensed acupuncturist and trained homeopath. This presentation will also discuss the research on Modified Citrus Pectin (MCP) as well as on low viscosity alginates and poly-botanical compounds that can enhance the detoxification process and support the organs involved. Clinical studies on adults and children with elevated and toxic levels of mercury and lead will be reviewed. Five case studies published from Dr. Eliaz practice will be presented that show reduction in toxic heavy metal body burden was achieved without side effects using his integrative approach. The decrease in toxin body burden is believed to have played an important role in each patient's recovery and health maintenance. This was the first known documentation of evidence of such results in a clinical report with possible correlation between clinical outcome and a reduction in toxic heavy metal load in patients using MCP and/or MCP/alginate complex. Clinical applications and examples will be discussed in detail. Body mind metaphysics, seasonal and gender related approaches will be integrated into the presentation.

GOALS & OBJECTIVES:

- The principles of integrative medicine in individualized health care
- The use of modified citrus pectin, alginates, and poly-botanical in the safe removal of toxins from the body
- Latest research on the use modified citrus pectin, alginates, and polybotanical in lowering toxin body burdern and the effect on chronic ailments
- Integrative strategies in detoxification and chelation

A DIET FOR HEALTH AND LONGEVITY. HOW DO WE GET THERE?

Bruce N. Ames, PhD

An inexpensive intervention could delay the degenerative diseases accompanying aging, such as cancer, cardiovascular disease, cognitive decline, and immune dysfunction. Most of the world's population, even in developed countries, has inadequate intake of one or more micronutrients posits that, as a result of recurrent shortages of micronutrients during evolution, natural selection developed a metabolic rebalancing response to shortage. The rebalancing favors micronutrient-dependent proteins needed for short-term survival while starving those only required for long-term health. Triage theory predicts that the consequence of moderate shortages of even a single micronutrient, though insufficient to cause overt clinical symptoms, will impair functions essential for long-term health. This impairment will result in insidious damage (e.g. increased DNA damage) that, over time, leads to the acceleration of age-associated diseases (e.g. increased cancer). The considerable experimental and theoretical support for the triage idea will be discussed as will a strategy for determining the optimum level of each micronutrient in humans. A perfect balanced diet (and adequate sunshine) would optimize levels of all micronutrients, but few reach this standard; fortunately inexpensive supplements and fortification can help. The triage theory should help to put micronutrient nutrition on a firm foundation and lead to preventive medicine for age-related diseases. 2) Too much refined food causes a shortage of micronutrients and fiber and an excess of calories (sugar, fat, and alcohol) which contributes to chronic inflammation, obesity, and associated diseases, such as diabetes. 3) How do we translate this new knowledge into improved health and lower costs?

GOALS & OBJECTIVES:

- Discuss the Triage Theory
- Learn how to transfer knowledge to improved health and lower costs
- Discuss the experimental and theoretical support for the triage idea

A NUTRITIONAL APPROACH TO MANAGEMENT OF OVERWEIGHT AND OBESE SUBJECTS WITH METABOLIC SYNDROME; WEIGHT LOSS AND CARDIAC RISK REDUCTION

Robert Lerman, MD

In 2006, we published an article indicating marked improvement in a number of cardiovascular risk factors in overweight and obese women with high LDL cholesterol managed with a calorie-restricted, Mediterranean-style, low glycemic load (LGL) diet, a soy/phytosterol-containing medical food and aerobic exercise as compared with subjects on a calorie-restricted, low-fat American Heart Association (AHA) diet and aerobic exercise. Women on the intervention lost more weight than those on the AHA diet. In addition, in the intervention arm, the triglyceride/HDL-C ratio was substantially lowered, suggesting a potential effect on metabolic syndrome. It was not clear whether the benefit was due to the LGL diet or the medical food. Prior to further human studies, we tested known to nature molecules with a history of safe use, employing isolated cell systems including the 3T3-L1 lipogenesis model. Two candidate molecules, extracts from hops (rho iso-alpha acids) and from Acacia nilotica bark and heartwood, were found to increase lipogenesis, glucose uptake, and adiponectin secretion. In addition, they decreased IL-6 secretion. Subsequent studies indicated that these extracts inhibited certain protein kinases involved in insulin resistance. Studies in the db/db mouse model provided evidence that these compounds were effective in reducing serum insulin and serum glucose in the same order of magnitude as rosiglitazone and metformin (although at different doses). Most recently, studies with these extracts indicate a significant effect in prevention of weight gain in a high-fat diet fed mouse model. Subsequently, we carried out a randomized study in overweight and obese men and women with metabolic syndrome and high LDL cholesterol, comparing a lifestyle program consisting of the Mediterranean-style LGL diet with no caloric restriction and aerobic exercise (MED) vs the same lifestyle program with phytonutrient supplementation by addition of a soy/phytosterol-containing medical food in combination with a hops and acacia extract supplement (PED). Results published in 2008 indicated a substantial weight loss despite lack of caloric restriction. Multiple cardiac risk markers improved in the PED compared with the MED arm. Of note was a 43% net resolution of metabolic syndrome in PED vs 22% in MED. In a subset analysis, published in 2010, we showed that the Mediterranean-style LGL diet in combination with aerobic exercise alone was not effective in lowering CVD risk in subjects at high risk with

both metabolic syndrome and LDL-C ≥ 160 mg/dL; however, the addition of the medical food and hops and acacia extract supplement resulted in major CVD risk reduction. A recently completed multicenter trial in overweight and obese women with metabolic syndrome compared the Mediterranean-style LGL diet with no caloric restriction with the same diet with the addition of a soy/phytosterol/hops/acacia extract-containing medical food confirmed the effect of the diet on body weight and on CVD risk. Specifics of the dietary program and effects on craving and satiety will be described.

AMPLIFYING HCG WEIGHT LOSS WITH THERMOGENESIS: AN ADVANCED CLINICAL PROTOCOL

Ester S. Mark, MD

There is a major renaissance interest in the use of intermittent HCG injections with very low calorie diets for weight control (1). Some debate has ensued on the disadvantages and limitations of HCG interventions which include arguments about efficacy, difficulty with dietary compliance and dose-related side effects of HCG, in some individuals. The proponents of HCG therapy believe strongly in the ability of this hormone to act on the diencephalon or hypothalamus and fats stores to promote weight loss by a variety of mechanisms, some of which remain unclear. Integrative Medicine has accepted the concept of a comprehensive, synergistic approach to weight control which involves calorie control diets, behavior modification, aerobic exercise and adjunctive techniques, such as drugs or nutraceuticals. In open-label clinical studies, HCG injections with very low calorie diets have been found to be effective in weight control, but compliance with punitive dieting is a clinical challenge. A number of patients describe muscle weakness after prolonged courses of HCG, but muscle mass is alleged to be retained. In order to overcome these therapeutic disadvantages HCG has been combined with a number of adjunctive weight loss approaches. The most effective approach has been to apply thermogenic agents which complement the actions of HCG by acting on alternative pathways for weight control. Several thermogenic agents have been explored as part of a companion protocol for HCG treatments e.g. acai, caffeine, fucoxanthin, but these agents do not match the power of selected amines of natural sources. While ephedra was the most popular amine used in weight control, it was withdrawn from supplement use in 2004 because of adverse side effects. While few people questioned the effectiveness of ephedra in weight control, its risk benefit ratio was found to be unacceptable. The combination of HCG injections with the thermogenic agent Advantra Z has resulted in excellent accelerated outcome of weight control. Advantra Z is a patented product that is standardized for its p-synephrine content and it has many of the advantages of Ephedra, without the same propensity to cause cardiovascular hyperstimulation and adverse central nervous system effects (2, 3).

GOALS & OBJECTIVES:

- Discuss the limitations and disadvantages of HCG interventions
- Review the most effective approach with thermogenic agents
- Discuss how to properly apply HCG with thermogenic agents

TRACK 2 - WOMEN'S HEALTH

HOW TO USE HORMONES WHILE MINIMIZING THE RISK OF BREAST CANCER

Khalid Mahmud, MD, FACP

Many hormones affect breast cancer in different ways. These effects would be reviews and appropriate ways to use these hormones will be suggested which could minimize the risk of breast cancer. Lose dose transdermal estrogens and sub-lingual progesterone use would be discussed. Effects of testosterone, DHEA, melatonin, tri-iodothyronine and HGH would be elucidated and recommendations made for their safe use.

GOALS & OBJECTIVES:

- To know the effects of different hormones on breast cancer
- How to use these hormones
- How to monitor the use of the hormones



WEIGHT LOSS METHOD

Lose an average of
3 to 7 pounds per week

- DEVELOPED BY DR TRAN TIEN, CHANH PhD, MD
- EASY 4 PHASE PROTOCOL
- MAINTAIN MUSCLE MASS WHILE BURNING FAT
- SUPPORTS CELLULITE REDUCTION
- COMPREHENSIVE TRAINING AND UNPARALLELED SERVICE AND SUPPORT
- A VARIETY OF INCOMPARABLE GOURMET FLAVOURS

Contact us!

Phone: 819.772.4447
Toll-Free: 1 866.314.4447
info@idealprotein.com

www.idealprotein.com

BREAST HEALTH: NEW TREATMENT PARADIGMS IN ANTI-AGING MEDICINE*Peggy Watson, MD*

The modern epidemic of breast cancer is underpinned by multi-factorial circumstances that require a multi-pronged intervention. The risk of breast cancer is approximately one in eight women, but there are geographic locations where incidence and prevalence has reached an alarming level of nearly one in two women. Breast cancer is perceived as the number one health issue that confronts a mature female, especially in their peri-menopausal and post-menopausal years. Negative lifestyle, environmental toxicity, genetic polymorphisms and epigenetic influences enter the equation of breast cancer prevention which is a key anti-aging initiative because of the excess morbidity, mortality and fear created by this disease. A number of interventions to prevent benign and malignant breast disease have emerged with a variable evidence base for their use in the promotion of breast health. The anti-aging approach to a positive healthy lifestyle would alone reduce breast cancer by a staggering number. A comprehensive nutritional program is required not only for baseline nutraceutical support but also can be tailored to support the individual woman's genetic polymorphisms. A useful baseline nutraceutical support for breast health is to use multivitamins that are rich in fruits, vegetables, berries and greens. The phytochemical content of this comprehensive baseline nutrition provides antioxidant action, potential inactivation of carcinogenic chemicals and variable inhibition of certain undesirable enzymes that promote cell proliferation. There are specific antioxidants e.g. ellagic acid, which have well demonstrated effects in breast cancer prevention of management. Ellagic acid has a potent effect on the de-differentiation of anaplastic breast cancer. Other phytochemicals with anti-breast cancer effects include carotenoids, flavonoids, indole-3-carbinol, sulforaphane, D-glucaric acid and more. Additionally, attempts to detoxify the body are an important initiative given the clear link between xenoestrogens and breast cancer. Fatty acid composition of the diet plays a major role in breast cancer propagation where excessive saturated fat intake combined with trans fatty acids appear to be linked to breast disease. Omega-3 fatty acids and omega-9 fatty acids are overall protective against breast cancer. Flax seed contains precursors of valuable essential fatty acids, but its benefit is mostly related to its fiber or lignan content. Flax oil is not a reliable source of active omega-3 fatty acids which are best taken in fish oil capsules, preferably enteric-coated to improve bioavailability and compliance. Other nutrients and botanical that effect breast health include Wakame seaweed, lycopene, bioflavonoids, garlic, green coffee bean or green tea polyphenols, resveratrol, sulforaphane, evening primrose oil, panax ginseng, maitake mushroom and curcumin. Individual breast cancer prevention strategies can be additionally determined with personalized urinary estrogen metabolite testing now readily available, allowing for simple targeted nutritional interventions to optimize the beneficial byproducts of estrogen metabolism as well as to minimize the carcinogenic estrogens produced in phase I liver detoxification of estrogen. Epigenetic phenomenon are just beginning to be understood but clearly emerging is the powerful effects of nutrients and botanicals on the healthy expression of cancer-related genes. Also discussed will be the role of estrogens and progesterone as the topic of safe hormone replacement therapy often revolves solely around the breast cancer safety issue, at least in the patient's perspective. Given the cascade of metabolic events that contribute to breast cancer it is necessary to create a synergistic program that can provide optimal protection against breast cancer. In today's anti-aging paradigm, we can now create an individualized and powerful breast health protection program for every woman. Arguably, breast cancer prevention initiatives should be promoted globally with even more resources than are currently directed toward early detection and the anti-aging movement is poised perfectly for the promotion of this most important message.

SIZING UP MENOPAUSAL METABOLISM: MID-LIFE WEIGHT GAIN; HOW TO STOP IT AND MANAGE WEIGHT SUCCESSFULLY*Erin Lommen, ND*

Slower metabolism, hand in hand with weight gain and fatigue, is a miserable experience for women in their forties and older. Weight gain is one of the most common complaints of aging in general. Seemingly inexplicable weight starts to accumulate even in women who have maintained healthy, fit bodies for decades. How can this be when there has been no change in their diets or workout routines during this phase of their lives? And for women, who have always struggled with weight gain, menopause is often the "turning point" in their "war" on obesity and they describe losing the "battle."

Slowing of vital cellular functions and changing/fluctuating hormone levels all have a profound effect on the way women burn and/or store energy. Changes in our 'energy' pathways and the waxing and waning of hormone levels all contribute to the increased propensity for weight gain. Learn how to successfully assess and treat menopausal metabolism from the inside out.

GOALS & OBJECTIVES:

- Review Root Causes: Cellular Energy - the mitochondria story and why metabolism slows
- Outline Hormone Changes caused by the ending of the ovarian life cycle
 - More fat equals more estrogen - a negative feedback loop
 - Low Progesterone increases bloating, water retention, etc.
 - Low Testosterone contributes to slower metabolism
- Discuss Insulin resistance; and our increased susceptibility with menopause
- Evaluate Stress and the influences of Cortisol on weight gain and weight loss
- Learn Treatment Protocols for successful weight management and hormone balancing

TESTOSTERONE USE IN WOMEN – EVERYTHING YOU EVER WANTED TO KNOW, BUT WERE NEVER TAUGHT IN MEDICAL SCHOOL

Michael Buckley, BPharm, MPS, CD

In 2005 the US FDA rejected Proctor and Gamble's testosterone patch for women application. In 2007 P&G successfully gained European approval for the patch. Since 1999 Australian clinicians have been using a proprietary testosterone cream to treat testosterone deficiency in women. In 2010 US women are still denied the option of using an FDA approved testosterone treatment.

Testosterone is the product of direct secretion from both the adrenal glands and the ovaries through its conversion from the pro-androgens androstenedione, dehydroepiandrosterone (DHEA) and DHEA-sulphate, in the ovary and periphery.

Sex hormone binding globulin (SHBG) and albumin bind to testosterone and only 1-2% of total testosterone circulates unbound or as free or biologically available testosterone.

SHBG serum levels increase with age and concomitant oral estrogen and /or thyroxine usage translating to a lower bioavailable testosterone.

When the ovaries are removed from women there is a significant fall in circulating levels of testosterone and androstenedione. Pre-menopausal women who undergo bilateral salpingo oophorectomy (BSO) experience an immediate 50% reduction in circulating testosterone concentrations. In pre-menopausal women 60-70% of testosterone production is derived from the ovary and after menopause this figure is approximately 50%. The impact on sexual function on this reduction due to oophorectomy is highly significant.

Bilateral salpingo-oophorectomy (BSO) is performed in conjunction with hysterectomy in about half of women aged 40-44 years of age who undergo the procedure and in almost 80% of women 45-54 years old.

In over 50% of cases removal of the ovaries is routinely performed. Reasons include prophylactic prevention of cancers including ovarian, breast and colon cancer when there is a family history, endometriosis and pelvic inflammatory disease.

Testosterone is well established as being the principal hormone influencing female sexuality. Testosterone also influences mood, depression and general well-being of women. Multiple studies have reported on sexuality after hysterectomy with and without removal of the ovaries. Most show many surgically menopausal women have decreased sexual desire, activity and pleasure, despite estrogen therapy.

Studies specifically targeting oophorectomised women reporting low libido being treated with testosterone are numerous.

Non-hysterectomized pre- and postmenopausal women also benefit from testosterone supplementation to treat sexual dysfunction, particularly low libido.

The prevalence of female sexual dysfunction (FSD) across all ages is generally reported to be 20-50%.

In 2003 it was determined that up to 43% of women between the age of 18-57 in the USA experienced some form of sexual dysfunction with 22% of those women indicating low libido to be the most pressing of all symptoms. Another study of menopausal women aged 57-85 showed female lack of interest in sex in 51% of participants. A 2007 study showed the proportion of younger women aged 20-29 with low libido was 11% with 65% distressed by low desire, whereas in women aged 60-70 the proportion with low desire was 53% with 22% distressed.

This presentation examines the peer review published literature on testosterone use in women both pre- and postmenopausal, the politics and medico-legal aspects of prescribing testosterone to women, the positions of peak medical associations such as The Endocrine Society, the North American Menopause Society and the Australasian Menopause Society, and provides practical treatment guidelines and tips for physicians.

WOMEN'S ISSUES: A DISCUSSION BETWEEN TWO DOCTORS

Gordon Pedersen, MD and Sherrill Sellman, ND

Dr. Sellman who is a female and editor of Total Health Magazine with Dr Gordon Pedersen, who has written significant publications about women's issues, would like to present together in an interview setting on the A4M stage.

Her article published in Total Health magazine would be out line and followed as:

- Problems, causes of disease and shocking facts about women and their propensity for specific diseases.
- Treatments leave women with worries about their own health
- Yeast infections, bacterial infections and viral infections can be treated better.
- What we should be doing for women who suffer from the diseases that are not being treated completely by their doctors
- How we can as Doctors can do better (proof of what can and is being done).

Close with facts, demonstrations of what can be done better with before and after patient profiles.

TRACK 3 - CANCER THERAPIES

CANCER: NON-TOXIC THERAPIES

Mark Rosenberg, MD

The efficacy of treatment for Stage III and Stage IV cancer has progressed minimally since the inception of chemotherapy. The initial approach was to use relatively broad spectrum chemotherapy drugs that attempt to kill rapidly dividing cells. Results for the majority of cancers (with the exception of the leukemias, choriocarcinoma, testicular cancer, ovarian cancer, and the lymphomas) have been dismal. At best, we may see a temporary response which may extend survival by up to 2-3 months; unfortunately, the minimally extended life span is frequently associated with intolerable side effects.

The effectiveness of chemotherapy has recently come into question, as is reflected in an article written in the British Journal, "Oncology" in June 2004. The authors of this article (two radiation oncologists and one medical oncologist) undertook a literature search for all randomized-controlled trials that reported a statistically significant increase in 5-year survival due solely to cytotoxic chemotherapy in adult malignancies. The search period was from January 1990 to January 2004. The results were disappointment. "The overall contribution of curative and a adjuvant cytotoxic chemotherapy to 5-year survival in adults was estimated to be 2.3% in Australia and 2.1% in the US."

It is time for a paradigm shift in the treatment of cancer. Cancer growth and metastasis is fueled through a myriad of mechanisms. It would therefore be cavalier to think that we can manage such a disease process by merely blocking one, two, or even three mechanisms of growth. Cancer may be cured or managed as a chronic disease, however, using numerous modalities simultaneously. If managed as a chronic disease, these modalities should allow the individual to coexist in harmony with their existing cancer; the cancer should be stabilized

Injectable Products
Thyroid Medications
Bio-Identical Hormone Therapy
IV Nutrients
Transdermal Creams & Gels
Bariatric Formulations
Vaginal Creams & Gels



Thyroid Medications
Bio-Identical Hormone Therapy
IV Nutrients
Transdermal Creams & Gels
Bariatric Formulations
Vaginal Creams & Gels

Transdermal Creams & Gels



MedausPharmacy

Absolute Service. Absolute Professionalism. Absolute Value.

Contact Us: (800) 526-9183 | (205) 981-2352

Bariatric Formulations
Bio-Identical Hormone Therapy
Injectable Products
Thyroid Medications
IV Nutrients

so there is no progression and no symptoms. The management of HIV is an excellent analogy. There was a time when HIV was an automatic death sentence. Now, HIV is often managed as a disease that individuals may live with, symptom free, for decades.

This lecture will delineate approximately 15 different receptors, growth factors, and mechanisms, through which cancer sustains and promotes itself. A novel comprehensive protocol for the treatment of cancer will be explained, followed by case reports of patients with metastatic cancer who have undergone this protocol.

GOALS & OBJECTIVES:

- Discern the relative ineffectiveness of chemotherapy for metastatic cancer
- Understand the multitude of mechanisms through which cancer proliferates
- Learn a new paradigm in the treatment of cancer

A PARADIGM SHIFT IN THE STRUCTURE OF CANCER

Thomas Lewis, MD

Presented is a novel, non-toxic approach for the treatment and management of metastatic cancer using the coupling of pharmaceuticals and energy. Successful treatment of metastatic cancers still represents a significant unmet need in medicine. President Nixon declared war on Cancer in 1971 with a promise for a cure by 1976. Now, well over three decades later, cancer death rates have hardly declined (5% since 1950). We present Activated Therapy, a new approach to cancer treatment. Here, a non-toxic “agent” with specific affinity for the cell membranes of tumor tissue becomes cytopathogenic upon activation by either or a combination of red light and low energy ultrasound. Cancer therapies approved by the FDA today are successful because of their ability to kill cells (apoptosis). Unfortunately, these therapies lack specificity thus kill healthy tissue rendering patients profoundly ill. Ultrasound Activated Therapy, USAT – also known as Sonodynamic Therapy (SDT) - involves the synergy between a non-toxic tunable “sensitizer” or “agent” and an energy source, in this case ultrasound. New and novel USAT sensitizers have great specificity for collection in hyper-proliferating tissue such as cancer cells. When activated, the sensitizers cause destruction to cancer cells only and do not impact healthy tissue. Further, the mechanism of tumor cell destruction is necrosis instead of apoptosis. Photodynamic Therapy, PDT, is cancer therapy using light, generally red light, to enhance the cytotoxic effects of drugs known as photo sensitizers. In this presentation, Ultrasound Activated Cancer Therapy and Photodynamic Therapy are described. Specifically, we discuss the history of “activated” therapeutics and the advantages of combination therapies, USAT and PDT, compared to conventional cancer treatments. We examine the extremely low toxicity of the sensitizer as determined in Zebra fish, mice and in advanced clinical investigations. The efficacy of the USAT and PDT treatment protocol is demonstrated through results from mice models. Additionally, case studies are submitted by cancer clinics where USAT and PDT are used in a compassionate care mode.

GOALS & OBJECTIVES:

- Discuss the non-toxic approaches for the treatment and management of metastatic cancer
- Explore how pharmaceuticals and energy can aid in the treatment of metastatic cancer
- Discuss the Photodynamic Therapy – advantages and disadvantages

WEIGHT MANAGEMENT EQUALS CANCER MANAGEMENT

Olivier Wenker, MD, MBA, ABAARM, DEAA

Obesity has reached epidemic proportions. A clear link between obesity and cancer has been established in recent years. It is estimated that in the U.S. well over 90,000 deaths per year could be avoided if a body mass index of less than 25 could be maintained. Up to 20% of all cancer deaths are related to obesity. The speaker will present the epidemiological data from the past 25 years relating to obesity and explain why these changes occurred. They were caused by changes in nutrition (eating too many “cancer fertilizers” and not enough “cancer fighters”) as well as a significant increase in food and drink portion sizes. He will also discuss in detail the pathophysiology of obesity-related carcinogenesis and which specific cancers are especially prone to occur

in obese populations. Obesity has a huge impact on hormonal balances and influences a variety of hormonal feedback loops. In recent years, new obesogens and anorexigens have been detected that may offer new ways to treat obesity and related diseases. The impact of weight gain prior to cancer diagnosis including a significant increase in cancer risk as well as the relationship between weight gain during and after cancer treatment and cancer recurrence and metastasis will be shown. Last but not least the speaker will make a very strong point that weight management equals cancer management. Lifestyle changes including better nutrition, weight loss, and exercise are very important cornerstones for a successful holistic anti-cancer approach. Recent research shows that such measures have a huge impact on gene expression and gene modulation and can turn on tumor suppressor genes and turn off oncogenes. Some recommendations for weight management and basic exercise programs will be given.

GOALS & OBJECTIVES:

- Discuss the link between obesity and cancer that has established over the past few years
- Explain in detail the pathophysiology of obesity-related carcinogenesis
- Discuss the importance of weight management = cancer management

ADVANCES IN CANCER IMAGING: IMPLICATIONS FOR DIAGNOSING, TREATING AND REVERSING PROSTATE AND OTHER CANCERS WITH NON-INVASIVE MONITORING AND NUTRITIONAL INTERVENTION

Robert Bard, MD and Arthur W. Bartunek, MA

Advances in cancer imaging with ultrasound and MRI now provides non-invasive, more accurate diagnosis, and treatment monitoring for prostate and other cancers. Recent evidence establishes that prostate-specific antigen (PSA) tests and digital rectal exams have low accuracy in diagnosing prostate cancer, and low-grade prostate cancers have 1% mortality in 15 years. Distinguishing low-grade cancers from aggressive cancers, and matching treatment to aggressiveness is now possible with non-invasive vascular imaging using ultrasound and MRI, which effectively demonstrate a cancer's aggression with 95% accuracy, and may help avoid biopsies. This advance has made possible new interventions by providing a means for regular monitoring of treatment progress, adjustments to intervention, and the evaluation of nutritional interventions. Dr. Bard will discuss this more accurate form of diagnosis in detail, along with Art Bartunek's presentation of the nutritional therapies they employ, which have shown an 80% stabilization and/or regression rate in low and medium grade prostate malignancies, and significantly improved outcomes for aggressive malignancies.

The monitoring by advanced imaging presented here allows for unique nutritional intervention, based on a natural beta-Sitosterol/Antioxidant Supplement Matrix, which is demonstrated to bring about vascular regression within 1-to-4 months. Regular monitoring allows the treatment to be modified as needed for each patient, and can distinguish between patients who respond to dietary intervention, and the relatively small percent who require additional therapy. This advanced imaging with beta-Sitosterol/antioxidant protocol allows for a uniquely patient-tailored and effective approach to healing the prostate naturally.

GOALS & OBJECTIVES:

- Discuss the non-invasive approaches for a more accurate diagnosis
- Will distinguish low-grade cancers from aggressive cancers
- Discuss how monitoring by advanced imaging allows for unique nutritional intervention

TRACK 4 - A PRACTICAL APPLICATION OF TREATING ADULT HORMONAL DEFICIENCY

INTRODUCTION TO ADULT HORMONE DEFICIENCY

Ronald Rothenberg, MD

The overview of hormones will discuss and evaluate adult hormone deficiencies. The connection between hormone deficiencies, inflammation and disease will be explored. General signs and symptoms of hormone deficiencies will be reviewed. Current medical literature that supports treatment and a basic understanding of how these hormones interrelate will be discussed. Information presented will be a stepping stone to more thorough investigations of these hormones in the lectures that follow.

GOALS & OBJECTIVES:

- Know what inflammation is and how it relates to disease
- Get a basic understanding of signs and symptoms of hormone deficiencies
- Begin to put together how hormone deficiencies and disease coincide

"SUB-LABORATORY" HYPOTHYROIDISM AND THE EMPIRICAL USE OF THYROID HORMONE

Alan R. Gaby, MD

Clinical hypothyroidism in the presence of normal laboratory tests for thyroid function is a common, but overlooked condition. This presentation discusses how to diagnose "sub-laboratory" hypothyroidism and how to use thyroid hormone safely and effectively.

Published research and clinical observations indicate that many people have hypothyroidism that cannot be detected by standard laboratory tests for thyroid function. A careful clinical evaluation can help to identify individuals with "sub-laboratory" hypothyroidisms that are likely to benefit from thyroid hormone-replacement therapy. In a significant proportion of cases, treatment with thyroid hormone results in marked improvement in chronic symptoms that have failed to respond to a wide array of conventional and "alternative" treatments. Symptoms that frequently improve include fatigue, depression, hypercholesterolemia, dry skin, reactive hypoglycemia, constipation, edema, menstrual disorders, and infertility. In some cases, desiccated thyroid has produced better clinical results than levothyroxine. Research supporting the existence of sub-laboratory hypothyroidism is reviewed, and the presenter's clinical approach to the diagnosis and treatment of this condition is described.

GOALS & OBJECTIVES:

- Know how to use thyroid hormones safely and effectively
- Understand how to diagnose sub-laboratory hypothyroidism
- Discuss the symptoms that frequently improve fatigue, depression, infertility and menstrual disorders

TRACK 5 - ADVANCES IN ANTI-AGING MEDICINE**EPIGENETIC LOOK AT AGING**

Azad Rastegar, BA

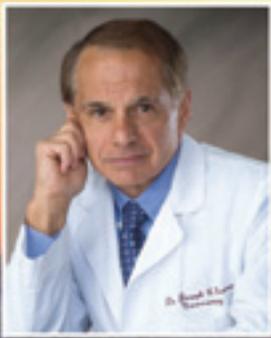
The Human Genome Project (HGP) began in 1989, headed by James D. Watson at the U.S. National Institutes of Health. A working draft of the genome was released in 2000 and the complete genome in 2003 with further analysis still being published. HGP helped to identify and map the approximate 20,000-25,000 genes of the human genome giving us a blueprint. The more we learn about the human genome, the more we understand that DNA does not contain the final instructions on how we age and are susceptible to disease. Enter the "epigenome" – a system of biochemical factors that turn genes on and off. The epigenome is much more complex than the genome and can change according to an individual's environment and lifestyle choices. Epigenetics refers to the biological mechanisms related to changes in phenotype or the genetic expression of a cell that are not dependent on the sequence of DNA. The DNA sequence remains the same, instead, non-genetic factors cause the genes to express differently. "Epi" is actually Greek for "above" or "over" — hence the word "Epi"genetics. The epigenome is found in every one of the trillions of cells in the human body turning on and off the appropriate set of genes for that particular cell. This makes a liver cell look and function different than a skin cell would. Epigenome tells each one of our cells which expression is needed and which is not.

The epigenome controls genetic expression, either silencing or activating the genes, by essentially three mechanisms. One of these epigenetic changes to gene expression occurs by RNAi. The other way epigenetics adjusts cellular behaviors is by chromatin remodeling by means of acetylating and deacetylating histones. This has to do with the way genes are bundled together. Acetylation help to loosen up the tightly-packed DNA allowing for transcription, therefore deacetylating agents tighten up the DNA making it harder to transcribe genes which we do not want to activate — such as the oncogenes. The final manner in which epigenetics

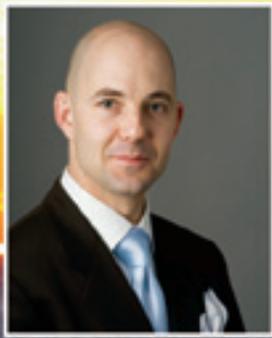
Please join us for a special presentation

Fish Oil: Clinical Applications & Current Debates

co-presented by Joseph Maroon, MD and Stuart Tomc, CNHP



Joseph Maroon, MD



Stuart Tomc, CNHP



Thursday, December 9th @ 6:30pm
South Pacific Ballroom F
Mandalay Bay Convention Center

Joseph Maroon, M.D., F.A.C.S., studied medicine at Indiana University, Georgetown, and Oxford University. Dr. Maroon is a world-renowned neurosurgeon and former president of the Congress of Neurological Surgeons, the largest society of its kind in North America. He has been the team neurosurgeon for the Pittsburgh Steelers for the past twenty-five years, and currently is a professor and Heindl Scholar in Neuroscience at the University of Pittsburgh Medical Center. A lifelong athlete, he has competed in more than fifty triathlons, including three Hawaiian Ironman Championship competitions.

Stuart Tomc, CNHP has over 20 years experience in the field of Nutritional Medicine and is an authority on evidence-based dietary supplements. A respected consultant to the World Health Organization and integrative physicians worldwide, Stuart has traveled the world as an educator and trainer for over 10 years. With an accomplished background in media appearances, he is adept at educating and delivering a powerful message on important health subjects in today's changing world. Stuart currently serves as National Educator and Spokesperson for Nordic Naturals.

Visit Nordic Naturals at Booth #607
25% Off Show Orders

For more information: 800.662.2544 x1 • nordicnaturals.com

NORDIC[®]
NATURALS 
Pure and Great Tasting Omega Oils

control a gene's expression is via DNA methylation which is the binding of methyl groups to the genes promoter region. Methylation is a natural biological mechanism, but if too many methyl groups bind to a gene, the tumor suppressor genes (for example) can become inactive. Many cancer researchers believe that the growth of most malignant tumors will eventually be shown to have been associated with epigenetically inactivated tumor suppressor genes.

GOALS & OBJECTIVES:

- Understand epigenetics
- Discuss the "Epigenome" system
- Know how epigenetics controls a gene's expression

RICE AND SOY EXTRACT DERIVATIVES AND AMINO ACIDS TOGETHER MAY ASSIST IN THE BATTLE AGAINST TELOMERE SHORTENING AND ABNORMAL CELL PROLIFERATION

Raif Tawakol, MD

An immune system is a series of processes that protects against challenges for the normal physiological function of the body that may cause changes by neutralizing or eliminating chemicals, pathogens and abnormal proliferating cells including cancers. The human immune system has to recognize its own complexity as "self" by creating an immunological memory, then creates an innate and adaptive immunity or "acquired immunity," that is recognized as different from "self," through cellular and humoral immune defenses, as well as layers to those mechanisms, so that the response is specific or non-specific, acute or prolonged or even delayed. The immune process recognizes delicate changes, both cellular including DNA, Ribosome and in the matrix, thus component changes alerts or activates the immune system. This enables reduction of the overall rate and intensity of activity or response.

Various T cells and B cells as well as the liver, endocrine and steroid systems maintain and enhance that system, while genetics may modify or retard the entire process.

This adaptation process is referred to as "adaptive immunity" or "acquired immunity" and creates immunological memory. Immunological memory created from a primary response to a specific pathogen, provides an enhanced response to secondary encounters with that same specific pathogen.

GOALS & OBJECTIVES:

- Discuss the role of the immune system
- Learn the various T Cells and B Cells
- Discover how the adaption process creates immunological memory

GENE THERAPY IN VASCULAR METABOLIC DISEASE

Enoc Chambi, MD

Gene therapy offers a potential therapeutic approach to difficult clinical problems. Gene transfer technologies in both synthetic DNA and recominant viral technologies, with improvement of structure and function of expression vectors may help to resolve the course of vascular metabolic diseases. (Evolution) E-gene development from endothelial cells may have the qualities to change and prevent vascular metabolic diseases. E-gene under ambient hypoxia has properties to correct and balance physiologic reactions as well as modified to prevent some of the vascular metabolic diseases at high altitude in animals and humans. E-gene enables over-expression with local and systemic changes in vascular metabolic disorders due to physiological changes. Clinical studies of ambient hypoxia show a decrease in MI and diabetes. E-gene transfer may be used to explore the pathophysiology of vascular diseases in experimental models, and available data suggests that this method may eventually become a therapeutic alternative for vascular metabolic disorders such as myocardium ischemia and in neogenesis of diabetes vascular changes. Due to the complexity of cardiovascular disorders, it is most likely that a cocktail of therapeutic genes rather than a single particular gene will be the most effective treatment. E-gene may become part of an effective therapeutic gene and suitable vectors must be identified and developed.

GOALS & OBJECTIVES:

- (Evolution) E-gene development
- E-gene action to decrease MI and DM incidence
- E-gene from endothelial cells reaction to low oxygen.

FISH OIL FACCLACIES: PHYSICIANS AND PATIENTS BEWARE

Brian Peskin, BS

Fish oil and DHA/EPA supplements are the nation's #1 supplement sold with the inflated claims leading the way. The primary reason cited for prophylactic use is the cardiovascular and cancer protection offered by the latest "wonder" nutraceutical.

However, based on physiology and biochemistry, and as reported by world-leading medical journals, these claims cannot be true, and long-term real-life results confirm the misguided optimism of its supporters. In 1995, Harvard conclusive showed that fish oil was worthless in stopping progression of CVD. Failure again in 1999. Failure occurred again in 2002, and again in 2004 with no C-reactive protein decrease, a marker of inflammation. Incredibly, fish oil supplementation also decreases prostacyclin, PG12, the body's natural platelet "blood thinner," which keeps platelets apart, naturally. In patients with existing atherosclerosis, prostacyclin synthesis fell by 42% when taking fish oil supplements; the last thing a heart patient needs or wants. CVD patients, require more, not less PG12, as decrease will significantly increase their risk of hear attack.

Adding to the dismal results for fish oil supplementation is the shocking finding that fish oil raises both blood glucose levels and insulin levels (first published in 1989) placing patients on the path to siabetes cancer killer cell immunity, too. In 2006, it was admitted omega-3 series fats do not inhibit cancer, as did British Medical Journal's comprehensive review. Fish oil has 6 strikes against it.

While short-term fish oil regim has a place, this is not true for long-term use. Numerous physicians report patient's clinical failure using fish oil supplements.

In contrast to harmful fish oil, the proper, physiologic, bio-identical, EFA supplement will be detailed, and its effectiveness in both preventing and reversing CVD as confirmed by artertrial wave analysis (PWA/DPA).

GOALS & OBJECTIVES:

- Understand the difference between a "study," an "association" and an experiment
- Understand how little DHA/EPA the body requires and manufactures, and why fish oil supplements provide harmful pharmacological overloads
- Understand the importance of PGE1 and PG12, how fish oil does nothing to benefit either, and in fact decreases them, making the patient worse
- Discover physiologic EFA requirements and an ideal bio-identical, plant-based solution

FROM ANCIENT REMEDY TO MODERN MEDICAL MARVEL - BIOACTIVE SILVER HYDROSOL - A NEW BREAKTHROUGH IN INTEGRATIVE MEDICAL PRACTICE.

Eric Rentz, DO

Silver has been used as an effective broad spectrum anti-infective agent for thousands of years, but few physicians know about its regenerative properties, making it more important than ever for those in integrative practice.

An evaluation of silver's history, toxicity profile, as well as bacterial, fungal and viral sensitivities will convince any physician of its essential role in 21st century clinical practice. But understanding silver's regenerative properties reveals a more comprehensive and powerful tool for combating degenerative disease as well.

A bioactive silver hydrosol isolates the purest, safest and most efficient form for medicinal use either alone or concomitantly with traditional anti-microbials. A growing body of medical literature indicates silver also reduces blood platelet aggregation, inflammation, increases ROS production, accelerates tissue regeneration, aids in lesion and wound resolution, and reduces post treatment scarring.

In 2009, the American Chemical Society recognized a new species of silver with its own CAS Registration Number (CASRN). A comparison of efficacy and safety between 20th century colloidal silvers and the more recent technological breakthrough of a bioactive silver hydrosol will be evaluated, and multiple routes of installation will be discussed. It is the author's contention that a bioactive silver hydrosol should be an intricate part of every integrative medical practice.

GOALS & OBJECTIVES:

- Review the broad-spectrum antimicrobial properties of a silver hydrosol and the related issues of toxicity
- Reviewing new publications regarding immune modulating capacities of silver, particularly the enhanced ROS production and what it means for acute and chronic infection management and remediation
- Innovative routes of installation of silver hydrosol for specific point of foci infectious and regenerative issues
- Improve physician understanding of skin lesion treatment and advance the standards of care for acute and chronic wound management
- Provide an overview of the physical properties, chemistry and the direct and indirect mechanisms of action of silver hydrosol for general comprehension and application toward LADME pharmacokinetics and bioavailability

* **FRIDAY**, December 10, 2010

GENERAL SESSION

ADRENAL FATIGUE...DOES IT TRULY EXIST

Lena D. Edwards, MD, FAARM

Stress induced hypothalamic-pituitary-adrenal (HPA) axis dysfunction with subsequent aberrations in normal diurnal cortisol release patterns has been identified as an important co-contributor to numerous psychosomatic symptoms and disease states. Consequently, appropriate diagnosis of abnormal cortisol release patterns is emerging as an important diagnostic and prognostic parameter in patients presenting with such conditions as chronic fatigue syndrome, malignancies, metabolic disorders, chronic pain, and mood disorders.

Studies over the past decade have identified salivary testing as an essential, convenient, non-invasive, and reliable indicator of cortisol release patterns. As utilization of this important diagnostic tool continues to grow, clinicians must develop a better understanding of the clinical implications of abnormal cortisol release patterns, the effects of aberrant cortisol release on underlying physiology, the interrelationships between cortisol and other hormones, and exogenous factors affecting salivary cortisol release patterns.

Just as salivary cortisol release patterns are affected by the body's intrinsic physiologic milieu, exogenous influences are equally important yet often overlooked. One of the most pervasive exogenous factors impacting otherwise naïve cortisol release patterns are pharmaceutical agents. Nearly 50% of the American population routinely ingests at least one prescription drug. As such, use of pharmaceutical agents clearly aligns itself with chronic stress as an important etiologic component of HPA axis dysfunction and abnormal cortisol production.

GOALS & OBJECTIVES:

- This evidence based review will serve to provide clinicians with a better understanding and appreciation for the effects of pharmaceutical agents on the HPA axis and salivary cortisol release patterns

Aminocare®

GENETIC SOLUTION AGAINST AGING

The Aminocare® Products contain unique proprietary amino acid derivatives discovered by Stanislaw R. Burzynski, MD, PhD, which have the ability (shown in gene micro-array studies) to reactivate genes silenced by the aging process.



AMINOCARE® CREAM (30g) AND LOTION (50g)

- Anti-aging cosmetics for moisturizing and healing of the skin, shown in clinical studies to slow down and reverse the typical signs of skin aging.
- Contain two proprietary amino acid derivatives discovered by Stanislaw R. Burzynski, MD, PhD, *phenylacetylglutamine* (PG) and *phenylacetylisoglutamine* (isoPG), capable of anti-aging effects via regulation of the expression of two sets of important genes involved in aging.
- Contain the exotic *tamanu oil*, which has remarkable healing properties.
- DO NOT CONTAIN parabens, additives, mineral oil, or any animal products. Purity of the formulation is absolutely remarkable.*

**These statements have not been evaluated by the US Food and Drug Administration*

These products are not intended to diagnose, treat, cure or prevent any diseases.

AMINOCARE® A10 (120 gel caps)

- A supplement to retard and slow down the general aging process via gene expression modification.
- Contains, as its main ingredient, a proprietary amino acid derivative discovered by Stanislaw R. Burzynski, MD, PhD, *3-phenylacetyl-amino-2,6-piperidinedione* (A10), which has the unique gene expression modifying capabilities.
- Along with possible cancer preventive effects, users have reported an improvement in their immune system, cholesterol metabolism, prostate conditions, sexual dysfunction, increase of energy, healthier skin, hair and nails, along with other anti-aging results.*



AMINOCARE® BRAIN LONGEVITY FORTE (BLF) (60 gel caps)

- Supplement for brain aging, possible prevention of Alzheimer's disease and cognitive decline.
- The ingredient *curcumin* has shown in studies the capability to break down abnormal plaques in Alzheimer's mice.
- The proprietary amino acid derivative discovered by Stanislaw R. Burzynski, MD, PhD, *phenylacetylglutamine* (PG) has the ability to block the expression of genes that promote cancer and inflammation in the brain while at the same time it activates anti-inflammatory and anti-cancer genes.
- The ingredient *piperine* is an antioxidant that increases the absorption of curcumin, PG, and amino acids contained in BLF.*

DISTRIBUTION:

Aminocare® PRODUCTS, L.P.

9432 Old Katy Rd – Houston, TX 77055
1-800-856-8006 www.aminocare.com

- A thorough understanding of how these parameters are affected by drugs is imperative so that accurate diagnostic interpretation coupled with a patient's clinical presentation can potentiate sound treatment decisions

NANOTECHNOLOGICAL TELOMERE REJUVENATION IN ADULTS AND IN TISSUE CULTURE—KEY TO LONGEVITY

Norman Shealy, MD, PhD

Over the past three years we have demonstrated for the first known time actual regeneration of telomeres. Ordinarily they shrink 1% per year but we have shown growth of over 2% per year. The technology used is application of 54 to 78 GHz at 75 decibels or one thousandth of a watt per cm square, for 30 to 60 minutes daily. This field effect is 1000 times **below** the known safety level! Recent results of application of this technology to tissue cultures will also be presented. The implications are critical for both health and longevity. Other applications of this technology will also be described.

GOALS & OBJECTIVES:

- List the normal strength and frequency of human DNA
- Use practical applications of human DNA frequency
- Discuss the implications of telomere rejuvenation for health and longevity

CONCUSSION: ALTERNATIVE APPROACHES TO BRAIN RECOVERY AND TREATMENT

Joseph C. Maroon, MD and Jeff Bost, PAC

In sports-related concussion most physical signs and symptoms, such as nausea, visual disturbances, headache and balance changes will resolve within 2 to 7 days. Longer lasting complaints such as fatigability, poor concentration, behavior changes, sleep pattern changes and mood alterations which last beyond this time frame are considered post-concussion syndrome. PCS will often result in significant disruption of school, work and other activities that will result in the need for further medical evaluation. The military has seen an increased incidence of depression and other symptoms often referred to as post-traumatic stress disorder (PTSD) in many of the soldiers who have suffered from MTBI.

Although controversial, treatment for concussion has advanced beyond reassurance and restricted activity. There is currently no FDA pharmacological intervention approved to treat concussion but many have been attempted with generally limited success. These treatments include: corticosteroids, free radical scavengers and antioxidants, drugs to inhibit arachidonic acid inflammatory response, and that modify monoamine function. Also used for PCS have included: glutamate receptor antagonists, calcium channel blockers, thyrotrophin releasing hormone (TRH), and hyperbaric oxygen therapy.

Alternative, non-pharmaceutical treatments appear to be gaining acceptance for the treatment of common neurodegenerative conditions, memory decline and reduced cognitive function. There is now substantial animal and human research to suggest that these same natural dietary supplements, vitamins and minerals may provide a better first line choice for the treatment of PCS which has generally been under reported by both athletes and the military.

GOALS & OBJECTIVES:

- Understand the signs and symptoms of a sports related concussion
- Understand that there are no FDA pharmacological intervention
- Discuss the alternative treatments

TESTOSTERONE: THREE MYTHS, ONE IMPORTANT TRUTH

Abraham Morgentaler, MD

There is a great deal of misinformation regarding testosterone in men. This presentation will address three myths regarding testosterone and provide an overall perspective on "the truth" regarding the scientific evidence regarding testosterone. These myths are: 1) the benefits of testosterone treatment are unproven, 2) the diagnosis of testosterone deficiency is so complex that only a specialist can make it, and 3) there is a significant risk of stimulating prostate cancer by raising testosterone levels. I will show why none of these are correct. And in a review of the literature I will also show why the identification of low testosterone in men and its treatment may turn out to be one of the most important things that health care providers can do to improve the well-being of our patients.

GOALS & OBJECTIVES:

- Review the benefits of testosterone therapy
- Review the relationship of testosterone to prostate cancer
- Discuss the overall risk/benefit assessment regarding testosterone therapy in men

INTEGRATIVE BIOPHYSICS GOOD VIBES VS. BAD - THE NEW EMERGING FRONTIER

Stephen Sinatra, MD

Cells transmit and receive energy. The ability to exchange this energy in the form of various electromagnetic frequencies (EMFs) is a fundamental function of every cell. Cells become unhealthy when this function is limited.

Man-made EMFs influence our bodies. The most documented negative impact is higher rates of leukemia among children living near high voltage power lines. Many electronic devices — like cell and cordless phones — generate chaotic signals, some of which directly penetrate vulnerable tissues.

Such electropollution potentially reduces heart rate variability (HRV). Suppressed HRV is a predictor of sudden death.

When connected to the earth, the body is "grounded" and assimilates activated electrons, neutralizing free radicals and creating physiologic changes. "Grounding" balances the autonomic nervous system, regulates cortisol dynamics, and improves Zeta Potential — a reliable indicator of blood viscosity.

Like a battery, the body's charge must be maintained with energy. Healthy cells oscillate at balanced frequencies. Cancer occurs in cells lacking energy. Heart failure is literally an energy-starved heart. Call it energy medicine or electromedicine; it's the new frontier. We must surpass our sole reliance on the pharmaceutical Dark Age.

GOALS & OBJECTIVES:

- Identify medicinal advantages to grounding the body
- Discover the cardiovascular system's vulnerability to chaotic energies
- List three interventions that improve human biophysics
- Define Zeta Potential

TRACK 1 - WEIGHT MANAGEMENT & NUTRITIONAL THERAPIES

WEIGHT CHANGES AROUND THE TRANSITION TO MENOPAUSE AND THE ROLE OF HORMONES

Alan Terlinsky, MD, FACP

Women seem to be vulnerable to body weight changes occurring during their menopause transition and declining levels of estrogen are thought to be a central cause. Moreover, treatment with estrogen is commonly believed to prevent or reverse this weight gain. However, what is the evidence for this hypothesis? Many studies seem to show little or no evidence of a relationship between menopause and the use of estrogen

replacement pertaining to body weight in women at menopause. Other studies have shown a relationship between weight gain, metabolic syndrome, breast cancer and obesity and the avoidance of weight gain by the use of estrogen therapy. This presentation will review the literature on the subject of hormone use, menopause and weight changes in women. Overall the evidence suggests a relationship of positive weight gain in women during the menopause transition related to hormonal changes. Moreover, the use of estrogen replacement can ameliorate this effect but a complete approach of diet and lifestyle modification is central to women achieving health body composition and weight. Hormone replacement in itself is not the entire solution to weight gain in menopausal women. Hormone replacement may improve the prospects of successful weight control in menopausal women.

GOALS & OBJECTIVES:

- Learn the studies of how menopause effects body weight changes
- Discuss the hormonal changes and how they relate to weight gain during menopause
- Know the entire solution to treat menopausal patients and weight gain

DIETARY KETOSIS IN THE TREATMENT OF OVERWEIGHT, OBESITY AND METABOLIC SYNDROME

Dana Myatt, MD

Dietary ketosis, a normal metabolic state in fasted Homo sapiens, has a broad range of therapeutic applications including the treatment of overweight, obesity and metabolically-related conditions.

Ketosis is a much maligned and largely misunderstood state of normal metabolism, distinct from ketoacidosis. The difference between dietary ketosis and diabetic ketoacidosis is as significant as the difference between intentional weight loss and cachexia. Unfortunately, lack of clarity about the utility of dietary ketosis and the distinction between ketosis and ketoacidosis has caused many physicians to shy away from prescribing therapeutic ketogenic diets even in instances where it should be considered the diet of choice.

Ketosis Versus Ketoacidosis

In diabetic ketoacidosis, severe insulin deficiency causes ketone bodies to rise precipitously, often exceeding 25 mM in blood, a level of ketosis rarely seen in normal individuals even during advanced starvation. Non-diabetic ketoacidosis can also occur as a result of alcohol or drug-induced states, during exuberant lactation and extreme hyperthyroidism.

The counter-regulatory bicarbonate system can be stressed until blood buffering ability is exhausted. The combination of pathologically high ketone levels and loss of blood buffering systems result in severe acidosis. In addition, hypovolemia from urinary water loss secondary to hyperglycemia and glycosuria, and sodium and potassium loss from severe ketonuria, converge to create a perfect storm of life-threatening potential.

GOALS & OBJECTIVES:

- This presentation will serve as a review of the biochemistry of dietary-induced ketosis
- Discuss documented clinical nutritional strategies for using a calorie-controlled ketogenic diet in the treatment of overweight, obesity and metabolic syndrome
- Specific guidelines for clinical implementation will be highlighted

WEIGHT MANAGEMENT IN OBESE CHILDREN

Jared M. Skowron, ND

The US Dept of Health and Human Services states that 25% of young children are obese, leading to hypercholesterolemia, hypertension, and Type 2 Diabetes in our children. The Child and Adolescent Trial for Cardiovascular Health (CATCH) found 13.3% of children in the 4th grade with a total cholesterol >200 mg/dL. This number has only elevated in the past decades.

Stopping weight problems in the future means teaching children healthy eating habits today. All of these obese children will become obese adults very quickly, and the burden on the medical system to manage chronic disease will be heavy.

For all your pharmacy and compounding needs...
ONLY ONE name to remember



Central Drugs

Give us a call!



Hormone Replacement Therapy

Get your FREE patient information kit

Sexual Dysfunction Therapy

Male and Female

Sterile Injectables

Chelation, Amino Acid, Vitamin, Mineral, Poly-MVA IV

Growth Hormones

Weight Loss Management

Injections, Appetite Suppressants

Topical Pain Management

Aesthetic/Dermatological Preparations

Peels, Mesotherapy Injections, Anti-aging Face Creams

Toll Free **877.447.7077**
support@CentralDrugsRX.com

Fax 1-877-447-7977
520 W. La Habra Blvd. • La Habra, Ca 90631
www.CentralDrugsRX.com

Quality Value Integrity Expertise
FREE Consultation

**VISIT
US AT
BOOTH
#315**



GOALS & OBJECTIVES:

- Learn the effects of childhood obesity and how the numbers have elevated in the past few decades
- Explore healthy techniques to avoid obese children becoming obese adults

HCG AND WEIGHT LOSS: FACTS VS. MYTHS

Deirdre S. Tuntland, PA-C

Weight management is vital to longevity and wellness. From corporate incentive programs to national public education campaigns, the burgeoning \$50 billion weight loss market is experiencing exponential growth. As a result, medically administered hCG programs are increasing in popularity as safe and effective weight loss solutions.

Human Chorionic Gonadotrophin (hCG) is a natural hormone produced in women during pregnancy and used as a weight loss therapy for more than 50 years. It was first described as a treatment for obesity in a study published in 1954 by Dr. A.T.W Simeons.

During this informative and interactive session, participants will be provided the latest facts about hCG while dispelling the myths surrounding the use of the hormone for weight loss from Deirdre S. Tuntland – a board-certified Physician Assistant who for the last 14 years has specialized in hCG weight loss and anti-aging therapies.

GOALS & OBJECTIVES:

- Learn about why hCG works, why it works better than dieting alone and the minimal side effects associated with the therapy
- benefits and results of using hCG as a part of a medically supervised weight loss solution for men and women alike
- Discuss the differences in hCG delivery methods (sub-lingual vs. injectable)

OVERCOMING WEIGHT LOSS RESISTANCE

J.J. Virgin, PhD, CNS, CHFI

Seventy percent of the population is now overweight or obese with the majority of this population falling into the obese category. One in five American children are now obese. Of the remaining population roughly fifty percent of them are thin outside, fat inside (TOFI). The recidivism rate of dieting exceeds 50%. It is well-documented that genetics accounts for 40-70% of a person's predisposition to obesity. Recent research conducted at Stanford University showed that when subjects were put on a diet identified as appropriate to their genotype, they lost an average of over **2.5 times** more weight than individuals on diets that were not appropriate. Clearly the outdated 'one sizes fits all' weight loss model based on caloric restriction and aerobic exercise is not working and may in fact be exacerbating the crisis by damaging both metabolism and psyche further.

The current weight loss model fails because it doesn't look for the cause of the problem and assumes that it is simply one of overconsumption and low energy output without taking into account genetic and hormonal factors that could shift the metabolic requirements and impair the body's ability to burn off fat weight while holding onto or increasing lean mass.

Over the past two decades I have identified 7 different modifiable factors that can slow down or stop fat loss despite the patient's best efforts of eating healthy balanced meals, repleting core nutrient deficiencies and doing cross training exercise consistently. These factors include chronic stress, poor sleep, gastrointestinal disturbances (impaired digestion, IgG food sensitivities and gut bacterial/yeast overgrowth), elevated toxic burden, sex hormone imbalances, thyroid fatigue and insulin resistance. The are also genetic factors at play including heritable risk of obesity, increased ability to regain lost weight, decreased metabolism, taste preferences and eating behavior traits, especially related to hunger and satiety.

Fortunately, one's genes don't have to dictate one's destiny. Once genetic susceptibilities are identified, a targeted diet and lifestyle intervention plan can be put in place to ensure a higher likelihood of weight loss and long term weight management success.

GOALS & OBJECTIVES:

- Define weight loss resistance
- Summarize scope of the obesity epidemic
- Identify lifestyle and environmental factors creating weight loss resistance
- Identify key genetic factors that can cause weight loss resistance
- Determine strategic diet and lifestyle interventions to support weight loss and long term weight management success

NEW SCIENCE OF FAT METABOLISM FOR WEIGHT CONTROL

Paul Tai, MD

New scientific evidences on the new view on FAT & Obesity: The “White Fat” vs. “Brown Fat”. Where do they come from? What are their functions and how do they metabolize? How they contribute to the Abdominal Fat and their toxic factor to Metabolic X Syndrome.

Disclosing data of successful Clinical studies on weight loss using natural ingredients, no side effects or toxicity, helping people to re-adjust their body weight and sculpt the unwanted fat away. A Fat targeted Total treatment approach.

GOALS & OBJECTIVES:

- Fat Morphology – White vs. Brown fat
- Fat Physiology – Endocrinology
- Fat Pathology – Inflammatory **Adipokines**
- Enzymatic activities of uncoupling protein on fat
- Diet - Negative feedback effects on fat metabolism
- Metabolic Hormone effects on fat burning physiology
- Treatment protocol for fat sculpting and increase metabolism

TRACK 2 - MEN'S HEALTH**BEYOND TESTOSTERONE – PROGESTERONE FOR MEN; YOUTH'S BEST KEPT SECRET?**

Jay Mead, MD, FASCP

By 2020, over 60% of the US population will be over age 60 and, approximately 50% of these are men. With the help of cutting edge physicians, more and more men are realizing the important role that hormones play in their health, but the primary focus is still on testosterone monitoring and replacement. Just as women need adequate amounts of testosterone, the male body has a requirement for progesterone. Progesterone is imperative for optimal functioning of the cardiovascular system, the nervous system and is of particular importance in prostate health.

- Heart disease is one of the leading causes of death for men in this country, and progesterone has many cardio-protective properties including prevention of atherogenic changes, prevention of smooth muscle cell proliferation and inhibition of cell adhesion molecules.
- In a world where dementia and Alzheimer's rates are climbing, progesterone has been shown to be neuroprotective and neurotrophic.
- Prostate cancer is one of the most prevalent cancers among men and is responsible for approximately 30,000 deaths/year. This presentation will clarify the complicated relationship between prostate cells and hormonal influence including refuting the long-held idea that testosterone caused prostate cancer, and will elucidate the protective role of progesterone to prostate cells.

The male endocrine system is not made up of testosterone alone, and proper balance of the entire complement of hormones including progesterone will keep cognitive, cardiovascular and urinary function working optimally through the latter decades.

GOALS & OBJECTIVES:

- Describe the clinical presentation and appropriate assessment criteria for Hormone Balancing for Men
- Discuss the pathophysiology of Progesterone's effects on cardiovascular, neurological and glandular (prostate) tissue
- Address the treatment choices including bioidentical hormone supplements, nutrition and botanical therapies
- Present Assessment, Treatment and Monitoring protocols

TESTOSTERONE: THREE MYTHS, ONE IMPORTANT TRUTH

Abraham Morgentaler, MD

There is a great deal of misinformation regarding testosterone in men. This presentation will address three myths regarding testosterone and provide an overall perspective on "the truth" regarding the scientific evidence regarding testosterone. These myths are: 1) the benefits of testosterone treatment are unproven, 2) the diagnosis of testosterone deficiency is so complex that only a specialist can make it, and 3) there is a significant risk of stimulating prostate cancer by raising testosterone levels. I will show why none of these are correct. And in a review of the literature I will also show why the identification of low testosterone in men and its treatment may turn out to be one of the most important things that health care providers can do to improve the well-being of our patients.

GOALS & OBJECTIVES:

- Review the benefits of testosterone therapy
- Review the relationship of testosterone to prostate cancer
- Discuss the overall risk/benefit assessment regarding testosterone therapy in men

PLANT EXTRACTS FOR BENIGN PROSTATIC HYPERPLASIA

John Hall, PhD

Benign prostatic hyperplasia, or BPH, is an enlargement of the prostate gland that occurs as men age. While this condition is not cancer, it does have a negative impact on health and quality of life. The enlarged prostate squeezes the urethra and bladder and can cause uncomfortable symptoms such as difficulty urinating, sudden urge to go or passing urine often, weak stream and a feeling that the bladder has not fully emptied. A severe case of BPH can lead to kidney infections, urinary tract infections or chronic urinary retention.

According to the National Cancer Institute, more than half of men in their 60s and most men in their 70s and 80s will have signs of BPH. As people continue to live longer lives thanks to ever-improving medical care and understanding of the human body, problems associated with aging become more and more prevalent. BPH affects millions of men who have few options when it comes to living with its symptoms. However, promising data has emerged from a recent clinical trial at Columbia University's Department of Holistic Urology regarding two plant extracts developed by French biochemist Mirko Beljanski, PhD (1923-1998).

Mirko Beljanski worked for over 25 years at the Pasteur Institute in Paris, France and later in private laboratories researching DNA replication and transcription and the effect of environmental toxins on DNA structure. During his research Beljanski discovered DNA destabilization, or an unwinding of the DNA structure, which can lead to serious illness. Beljanski looked for plant extracts that could help the body rid itself of cells with destabilized DNA and therefore help to maintain optimal health. He found two: *Pao pereira*, a tree bark from the Amazonian rainforest, and *Rauwolfia vomitoria*, the root bark of an African shrub. These extracts caught the attention of Dr. Aaron Katz, who has been working to confirm and extend Beljanski's work in both preclinical and clinical studies held at Columbia University.

Improve the health of your patients & your practice.

Bottom line ...

We can help!



We've made it possible for you to offer your patients a new way to effectively manage age-related weight gain and avoid the cascade of health problems that result. This remarkable new **Calorie Control Weight Management Formula** is a blueberry-pomegranate flavored drink mix that combines four natural, plant-based ingredients ... each shown to promote weight loss. And like all Life Extension® supplements, it's a product of the very latest research.

This science-based, stimulant-free formulation includes:

- LuraLean® propolmannan fiber to help cut appetite; impede digestion of dietary fats and absorption of calories; and significantly reduce fasting lipid, post-meal glucose and insulin levels.^{1,2}
- A white kidney bean extract to delay digestion and absorption of calories from starches.
- A green tea phytosome to boost resting metabolic rate and help impede the breakdown of dietary fat.
- And authentic Integra-Lean® Irvingia, shown to help decrease appetite, impede fat storage, reduce the impact of starches and sugars ... and promote weight loss of **20 pounds** on average in **10 weeks!**³

Take it from us. There's nothing else like it.

Life Extension first introduced the weight loss benefits of Integra-Lean® Irvingia several years ago. Now we've taken it to a whole other level, with this innovative new weight management formula available only from Life Extension. It's one of more than 300

premium-quality supplements developed from the optimal health research we've been funding and reporting for the last 30 years.

So if you regularly recommend supplements that support weight loss, optimal health and nutrition ... consider becoming a Life Extension Physician Wholesaler. Get science-based products with far purer ingredients designed to replicate the results of clinical trials. Facilitate the health of your patients and your practice.

Call 1-888-884-3657 now for a free Wholesale Application Packet. And while you're at it ...

Complete and mail the coupon below to receive **FREE copies of Life Extension Magazine®** for your waiting room. *Life Extension* is your source for the latest scientific and medical information worldwide — and all our articles are fully referenced. So just say YES!

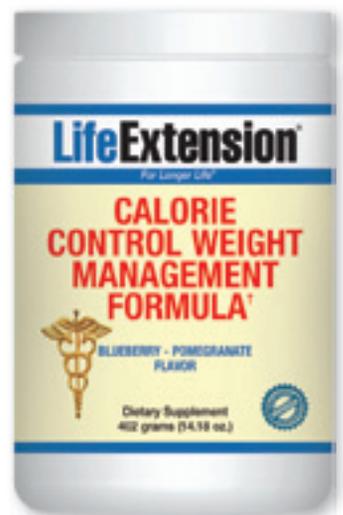
Integra-Lean® Irvingia is protected by U.S. Patent No. 7,537,790. Other patents pending.

LuraLean® is a registered trademark of AHD International, Inc.

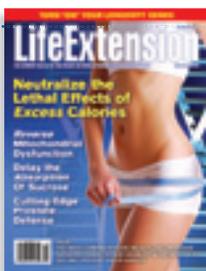
References:

1. *Int J Obes*. 1984;8(4):289-93.
2. *Curr Ther Res*. 1989 Nov;46(5):908-12.
3. *Lipids Health Dis*. 2009 Mar 2;8:7.

This supplement should be taken in conjunction with a healthy diet and regular exercise program. Results may vary.



Item #01493



- YES!** I want the Life Extension Wholesale Application Packet. Item Code: **WS-PACKET**
- YES!** I want ___ copies (up to 3) of the magazine sent to me FREE each month. Item Code: **SUBCOMP**

Your Name _____

Company Name _____

Address _____

City, State, Zip _____

Phone _____ E-mail _____

Promo Code: **COL003C**

LifeExtension®
For Longer Life®

Please mail this completed form to:

Life Extension
1100 W. Commercial Blvd.
Fort Lauderdale, FL 33309
Or call **1-888-884-3657** for faster service.

Stop by our booth at the 18th Annual International Exposition on Anti-Aging Medicine in Las Vegas for a Free Subscription to *Life Extension Magazine* for your waiting room.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.

GOALS & OBJECTIVES:

- Discuss the data regarding the Pao and Rauwolfia extracts from the clinical trial at Columbia University
- Outline Mirko Beljanski's research and discovery of the plant extracts

HAIR RESTORATION: PRESERVING AND RESTORING THE AGING "FRAME" OF THE FACE

Alan J. Bauman, MD

Hereditary hair loss, considered by many as an outward sign of premature aging that can be 'seen from across the room,' currently affects an estimated 60 Million men and 40 Million women in the U.S. Approximately 40% of men in their 40's are experiencing hair loss and 50% of men in their 50's, with over a billion dollars spent in the U.S. annually on treatments, 'cures' and cover-ups. However, recent advances in medical diagnostics, treatments and procedures offer men and women who suffer from hair loss safe and effective, truly viable methods of maintaining and/or restoring their own natural, living and growing hair. In the battle against visible signs of aging, hair transplantation is one of the most common cosmetic procedures for men according to the American Academy of Cosmetic Surgery (AACS Procedure Census Data, www.cosmeticsurgery.org) and the American Society of Plastic Surgeons (ASPS Statistics, www.plasticsurgery.org).

GOALS & OBJECTIVES:

- Attendees will learn the mechanism of Androgenetic Alopecia (male and female pattern hair loss)
- Attendees will learn the latest tools and techniques for the evaluation and diagnosis of hair loss
- Attendees will learn the advanced multi-therapy medical modalities to help patients protect, enhance and restore their own living and growing hair

TRACK 3 - INNOVATIONS IN ANTI-AGING MEDICINE**HYALURONIC ACID (HA)- THE ANTI-AGING ANSWER FOR THE WHOLE BODY**

Chris D. Meletis, MD

The clinical application of Bio-Identical Hyaluronic Acid (HA) is at the very heart of healthy aging. At birth Hyaluronic Acid levels are significantly higher, accounting for the baby soft skin, circulatory, connective tissue, joint and overall improved cellular integrity. With the aging process, the "plum to prune" and "grape to raisin" phenomenal not only occurs at the skin level of the body but throughout the 50-100 trillion cells that comprise the human body. Indeed the very integrity of the connective tissue, 60,000 miles of blood vessels, ocular and oral health and countless other body systems begin to slowly erode away with the passage of time without therapeutic intervention. Emphasis will be placed on clinical applications, research and mechanism of action of High Molecular Weight HA as an advanced therapy to support oral and topical needs to meet the growing needs of our aging patient population.

GOALS & OBJECTIVES:

- Discuss the clinical application of Bio-Identical Hyaluronic Acid
- Learn the action of High Molecular Weight HA as an advanced therapy

INNOVATIONS OF REDOX BIOCHEMISTRY IN HEALTH AND AGING

Gary L. Samuelson, PhD

Redox signaling molecules have a fundamental and broad involvement in the cellular healing process. Over the last 10 years, redox signaling networks, both intracellular and extracellular, have been extensively studied by hundreds of researchers resulting in a rapidly growing field of Redox Signaling Science. This presentation will focus on discoveries made in this field involving pathways leading to DNA repair, antioxidant expression and efficacy, cellular damage detection and repair, inflammation, oxidative stress, cellular adhesion, protective

enzyme production, tumor death domains, vascular regeneration, with a focus on the overall mechanisms underlying cell protection, repair and replacement.

New experimental results on certain mixtures of Redox Signaling molecules will be revealed, both in vitro and in vivo, that show specific bioactivity in areas involving antioxidant expression and efficacy, signal reception and intercellular communication networks as well as aerobic efficiency. Broad implications related to regeneration and anti-aging will be briefly explored.

GOALS & OBJECTIVES:

- Educate Health Professionals about advances in Redox Signaling Science
- Present Results of Research
- Explore applications of this technology for improving our health

REVERSING IMMUNE AGING IN HUMANS: RESULTS OF A STUDY USING A NATURAL PRODUCT TELOMERASE ACTIVATOR

Joseph M. Rafeale, MD

In search of the cure for aging, medical science is examining technologies that will not merely extend our life expectancy by a few years, but may actually extend it indefinitely. Although our life expectancy has increased tremendously over the last century, there is still a theoretical 125-year limit on our lifespan, and no medical therapy available today has been able to break through this barrier. In the last three decades, there has been a tremendous upsurge of scientific knowledge of how and why we age.

There is a clock that ticks inside every dividing cell of our bodies. This clock is found at the tips of our chromosomes, in a region of the chromosome called the telomere. When human cells divide, telomeres shorten, and the length of the telomeres correlates with the age of these cells. This telomere clock may be the clock of aging.

Inside every one of our cells is a gene that produces an enzyme called telomerase. Telomerase stops the telomere clock from ticking, and can give cells the potential to divide forever. The gene for telomerase is turned on only in our reproductive cells, and turned off in almost all other cells. A small-molecule compound could possibly turn it back on to prevent the shortening of our telomeres.

Control of telomere length may be the most important step in eliminating the 125-year limit on our lifespan and taking the first crucial steps toward allowing us to live young, healthy lives indefinitely.

GOALS & OBJECTIVES:

- Review the knowledge of how and why we age
- Discuss what Telomeres are and how they work

VITAMIN E: A NEW PERSPECTIVE IN NUTRITION AND HEALTH

Andreas M. Papas, MSc, PhD

Results of major human clinical studies such as the Selenium and Vitamin E Cancer Prevention Trial (SELECT) and the Heart Outcomes Prevention Evaluation (HOPE) Study and several metaanalyses questioned the efficacy and even the safety of vitamin E. For this reason, health professionals, their patients and the public seek better understanding on the role of vitamin E in nutrition and health.

Vitamin E consists of a family of eight different compounds, four tocopherols and four tocotrienols (designated as alpha, beta, gamma and delta). Tocopherols and tocotrienols have similarities and differences in their molecules. The tocopherols consist of a head (chroman ring) and a tail (phytyl). The chroman ring carries the active antioxidant group. Each tocotrienol has an identical chroman ring as the corresponding tocopherol. Tocotrienols differ from tocopherols on their tail; the tocotrienols have three unsaturated sites while tocopherols have none. Our food contains all eight compounds. In many countries, including the United States, the typical diet supplies higher levels of non alpha tocopherols, especially gamma-tocopherol.



GOALS & OBJECTIVES:

- Learn the eight different families of Vitamin E
- Discuss the differences of Tocopherols and Tocotrienols
- Better understand the role of Vitamin E in nutrition and health

THE DIFFERENCES BETWEEN HYPOTHYROIDISM, FUNCTIONAL HYPOTHYROIDISM, AND FUNCTIONAL HYPOMETABOLISM

Nat Jones, RPh, FIACP Candidate

Subclinical and functional hypothyroidism continues to cause profound problems for many patients, in spite having “normal” lab results. Understanding the difference between “normal” and “optimal” lab numbers and how the production and metabolism that influence these, as well as a proper interpretation of standard thyroid tests, can help practitioners understand and treat their patients more effectively. This lecture will present a practical approach to treatment of these patients based on practical physiology and on research published in the scientific literature.

This program will provide physiological and clinical insight into, and the tools necessary to evaluate, the causes of the clinical symptoms of hypothyroidism. The program includes a discussion of the production and metabolism of thyroid hormones, basic nutritional factors involved, and how to utilize standard thyroid tests to determine where thyroid problems exist. The pros and cons of thyroid replacement therapy options will be discussed, including optimizing response with individually tailored regimens.

GOALS & OBJECTIVES:

- Understand the physiology of the thyroid hormones
- Describe the causes, types and symptoms of hypothyroidism
- Introduce the concepts of functional hypothyroidism and hypometabolism
- Discuss nutritional influences on thyroid hormone physiology
- Explain thyroid testing options and their pros and cons
- Examine treatment options for restoration of normal thyroid function

TRACK 4 - A PRACTICAL APPLICATION OF TREATING ADULT HORMONAL DEFICIENCY

OXYTOCIN: THE FEMALE BRAIN AND SEXUALITY FROM BIRTH TO OLD AGE

Jorge Flechas, MD, MPH

The more oxytocin the body has, the more orgasmic it becomes. During this presentation we will examine the forces, both internal and external, that control the production of oxytocin. We will also look at orgasm and what aspects of orgasm are under oxytocin control. Ultimately the human brain is the body’s sexual organ. Women have shown us that they can have orgasms mentally without sexual organ stimulation. As we age, orgasm function declines. Can this loss of function be restored and what can be expected? Why is it that 13% of all women can have multiple orgasms? Why is it that men cannot? What limits men and some women from having multiples? These and many other questions will be discussed!

GOALS & OBJECTIVES:

- Identity of many of the forces that control human orgasm
- Sexual desire and function work hand in hand but are controlled by different hormones
- When orgasmic function is loss, it can be restored

60% of patients at risk
of developing diabetes
are NOT obese!



preDguide



metSynguide



Identify

Diabetes Progression.

Guide Treatment.

Learn more at Booth 714!



Visit us at www.GDX.net
or call us at 800-522-4762



Genova
Diagnostics®

Innovative Testing for Optimal Health

TRACK 5 - ADVANCES IN ANTI-AGING MEDICINE**CLINICAL BIOCHEMICAL PARAMETERS FOR THE PRACTICE OF PREVENTATIVE MEDICINE**

E.K. Schandl, PhD, FACB, SC and C.A. Schandl, PhD, MD, DABP

The incubation length of coronary heart disease and cancer is about a decade. However, diseases are diagnosed and treated when symptoms occur. Obviously, early detection is a matter of observable clinical, pathological changes. The aim is to detect developing, sometimes life threatening disorders prior to their visibility. Two profiles were designed and examined, the Longevity Profile and in it the Cancer Profile. The results of the study are presented here.

Regular accepted clinical laboratory procedures were used for the tumor markers HCG by IRMA for serum and chemiluminescence (CL) for serum and urine HCG, CEA, PSA, CA 15.3 and CA 125, enzyme kinetic spectrophotometry for the neurokinin B (GPI) autocrine motility factor. Hormones, estradiol, progesterone, TSH, DHEA-S, Cortisol, PTH, were determined by CL. Free testosterone and IGF-1 was tested by IRMA. GGT, Lp(a), homocysteine, LDL-D, hs-CRP were performed by methods suitable for the COBAS Mira Plus instrument. Doctors Laboratory in Valdosta, Georgia did the CA 19.9 tests. Cholesterol, other than LDL, and liver enzymes were done by Lab Corp in Hollywood, FL.

114 normal, "healthy" females of all ages and locations, without any diagnosis presented with elevated 75% tumor markers, 90% coronary risk factors, 40% deranged calcium metabolism, 11% liver enzymes, and low 68% growth hormone, 91% sex hormones (postmenopausal included), 14% thyroid and 91% adrenal functions.

The "healthy" male population, n=86, all ages, all places USA showed elevated 57% tumor markers, 95% coronary risk factors, 50% deranged calcium metabolism and 7% liver enzymes and low 67% growth hormone, 76% sex hormones, 7% thyroid and 92% adrenal functions.

PRACTICAL ONCOLOGICAL STRATEGIES FOR INTEGRATIVE MEDICAL PHYSICIANS

Martin Dayton, MD

Today, patients with cancer treated with complementary and alternative therapies integrated with or instead of standard methods are enjoying successful outcomes. While the field is controversial and replete with myths and hyperbole, it continues to evolve with the growth of evidence based research and clinical experience. Therapeutic practices which have been associated with successful outcomes; their associated theories, and their practical applications are elaborated. Based upon the development of present and new technologies, treatment of many patients with advanced cancer may become to be regarded in the future as a speed bump in the pursuit of healthy longevity.

GOALS & OBJECTIVES:

Lecture participants will gain new and reinforce old understandings of:

- Basic principals involved in overcoming cancer with or without pharmacotherapy/ radiation and/ or surgery
- Controversies in the field of integrative oncology and evidence based resolution
- General and specific approaches involving immune support, insulin potentiated therapy (IPT), nutritional and energy based approaches, macrophage activation, etc.
- Tests utilized to choose among all available therapies
- Treating patients with cancer in the anti-aging paradigm
- Have practical information which may be applied immediately following the lecture

IMMUNOLOGICAL ASSESSMENT METHODS

Kelly L. Olson, PhD

Immune activation is a commonly overlooked component of chronic disease. Patients with chronic diseases are often repeatedly examined and treated with little effectiveness, thereby frustrating both the clinician and patient. A number of immunological assays are available however much of the science is confounded with too many false positives/negatives due to cross-reactivity. A more scientifically validated approach to measuring immune signals is the combination of functional cytokine testing and lymphocyte proliferation assays. The use of functional cytokine testing and lymphocyte proliferation methods can provide a health care practitioner with the capability to sort out inflammatory conditions and to uncover the root cause of a patient's symptoms. This presentation will focus on the clinical utility and applicability of these immunological tests. Specifically, attendees will learn about improved methods to identify cytokine alterations and, consequently, the symptoms associated with these imbalances, to promote comprehensive personalized medicine. Furthermore, attendees will take away an understanding of how to reach a Th1/Th2 immune balance in their patients. Illustrative case studies and clinical applicability will be highlighted throughout to provide a clearer understanding of the information presented.

GOALS & OBJECTIVES:

- Immune activation and how it contributes to chronic disease
- What are functional cytokine tests and lymphocyte proliferation assays
- What is the clinical applicability of these tests & how they can improve personalized medicine

DETOXIFICATION OF CHEMICALS AND HEAVY METALS WITH *CHLORELLA*

Randall E. Merchant, PhD

Our bodies are barraged with literally hundreds of chemicals and metals on a daily basis. Exposure to them is unavoidable as they occur in the air we breathe, the food we eat, and the water we drink. Some chemicals and metals can injure in any amount or they can reach toxic levels as they accumulate in fat cells and organ systems or combine with other chemicals to form toxic cocktails. The consumption of natural "green whole foods" rich in macronutrients, fiber, phytonutrients, and chlorophyll is one way to "detoxify" the body of potentially harmful chemicals and metals. One such green whole food with many known healthful benefits is *Chlorella pyrenoidosa*, a unicellular green alga that grows in fresh water. It has the highest content of chlorophyll of any known plant and also contains high concentrations of protein, certain vitamins, minerals, dietary fiber, nucleic acids, and other substances. In this presentation, I will discuss the compelling results of laboratory and clinical investigations that have demonstrated Chlorella's capacity to prevent the absorption of chemicals and metals that cause disease as well as enhance the mobilization of these chemicals and metals from adipose tissues leading to their elimination from the body.

GOALS & OBJECTIVES:

- To define what Chlorella is, how it is produced, and what it offers nutritionally
- From the laboratory studies described, learn how the elimination of toxic chemicals and metals protects cells and animals from genetic injury and the development of tumors
- From the clinical studies described, appreciate the evidence that adding Chlorella to the diet detoxifies the body and relieves symptoms of diseases with a known chemical or metals etiology

FIX YOUR JOINTS WITHOUT SURGERY - PROLOTHERAPY AND PRP

Peter A. Fields, MD, DC

Prolotherapy is a natural non-surgical method of assisting the body to heal injured or weakened joints, ligaments and tendons. With Prolotherapy, the weakened areas are injected with a solution that stimulates the growth of healthy, strong tissues. As the tendons and ligaments grow stronger and vibrant, the pain

is alleviated and motion is restored. Whether a joint, ligament or tendon is causing you pain or limited movement, Prolotherapy might be the right choice for you. Prolotherapy is beneficial for knees, shoulders, low back, neck, hips, elbows arthritis, tendonitis, bursitis, headaches and more.

In a nutshell, Prolotherapy not only initiates healing but also stimulates your body to produce growth factors to heal and repair the affected joint/spine and help one avoid surgery.

PRP is an emerging new treatment.

PRP therapy offers an additional solution to accelerate healing of tendon injuries and osteoarthritis naturally. It is basically injection blood products (platelets) that have the growth factors for healing.

The philosophy behind both of these is to merge cutting edge technology with the body's natural ability to heal itself.

Prolotherapy can be done on spine and axial skeleton (peripheral joints).

PRP is better for peripheral joints only.

GOALS & OBJECTIVES:

- Learn what Prolotherapy as a non-surgical method can assist in the healing process
- Discuss the advantages and disadvantages of Prolotherapy
- Learn the philosophy beyond Prolotherapy treatment

CLINICAL TRIAL OF SUBLINGUAL HCG AS A TREATMENT FOR OBESITY

Eisenstein Mayer, MD

The World Health Organization describes obesity as an epidemic. Traditional weight loss theories and dietary and lifestyle approaches are falling far short of stemming the tide.

Claims have been made that HCG (Human Chorionic Gonadotropin) along with a VLCD (very low calorie diet) in a medically supervised program reduces weight by 10-20 lbs per month and reduces abdominal girth, without experiencing hunger.

Forty obese patients were enrolled. All 40 of the patients reported no hunger during the Phase I and Phase II trials.

The average starting BMI of our 30 female patients was 36.11, after 30 days their average weight loss was 14.08 lbs per person, a BMI of 33.81. On average the women lost 4.41 inches per person around their waist.

The average starting BMI of our 10 male patients was 43.05, after 30 days their average weight loss was 22.3 lbs per person resulting in a BMI of 39.94. On average the men lost 4.28 inches per person around their waist.

The initial phases of the HCG and VLCD protocol had the effect of significant weight loss as well as reduction of abdominal girth.

* **SATURDAY**, December 11, 2010

GENERAL SESSION

HYPOTHYROIDISM & ADRENAL FATIGUE

James L. Wilson, ND

The adrenal and thyroid glands play very interesting interrelated roles in human endocrine function, physiology and allostasis. In some processes, each facilitates and even amplifies the hormonal actions of

join the most successful national franchise of anti-aging physicians



become a **bodylogicmd** physician

- ◆ own a bodylogicmd franchise
- ◆ join an existing physician-owned franchise
- ◆ specialize in bioidentical hormone therapy
- ◆ comprehensive practice solution
- ◆ proven success
- ◆ do what you do best, see patients

start your own bioidentical hormone therapy practice today!



Hormone Therapy | Fitness | Nutrition

www.bodylogicmd.com

AS SEEN IN...



the other. In other aspects of endocrine and physiological function, they work in opposition and, in certain states, may even decrease the actions or effects of the other on hormone production or end organ activation. In this presentation, some of the more important interactions of the thyroid and adrenal glands will be presented from a clinician's point of view. The overlapping signs and symptoms of low adrenal function (adrenal fatigue) and low thyroid activity (subclinical hypothyroidism) will be covered, as well as how to differentiate some of their more important clinical indications, although at first glance they seem the same. By the end of this presentation the practicing health care professional should have a better understanding of the key interrelationships between adrenal and thyroid function from a clinical perspective, their underlying endocrine processes and physiology, how to differentially diagnose the most prominent signs and symptoms of their low function, and a course of action that can lead to successful therapy.

GOALS & OBJECTIVES:

By the end of this presentation, the healthcare practitioner attendees should be able to:

- Differentiate between adrenal fatigue and subclinical hypothyroidism
- Understand the difference in diagnostic criteria between low adrenal function and low thyroid function
- Recognize the several signs and symptoms common to both low adrenal & adrenal function
- Differentially diagnose the two conditions in most patients

IODINE DEFICIENCY TESTING WITH DRIED URINE

David Zava, PhD

Both iodine deficiency and excess are problematic and lead to thyroid dysfunction. Achieving appropriate amounts of iodine in the diet or through supplementation is important for optimal health and thyroid function. Various health research organizations around the world (e.g. WHO) have concurred that four tests are useful for evaluating iodine deficiency: 1) baseline urinary iodine, 2) thyroglobulin, 3) TSH, and 4) thyroid assessment for nodules/goiter. Broad scale urinary iodine tests are cumbersome due to the inconvenience of urine collection and shipment to the testing laboratory. To overcome these hurdles we developed an iodine assay using urine passively collected on a filter strip and dried at home before shipment to the laboratory. We will show that the dried urine iodine test, combined with dried blood spot thyroglobulin and TSH, is a convenient and simple means to monitor iodine status, and that excessive iodine supplementation from loading can lead to thyroid dysfunction in some individuals (i.e. Wolff-Chaikoff effect).

GOALS & OBJECTIVES:

- Outline the evidence for iodine deficiency throughout the world
- Present the consequences/differences of iodine deficiency in children and adults
- Describe the controversy surrounding iodine dosing for creating iodine sufficiency
- Discuss the application of urine testing for the diagnosis of iodine deficiency
- Describe the advantages of using dried urine to simplify iodine testing

BREAKING THE CARDIO-DIABETIC CONNECTION, A NEW PARADIGM FOR THE ANTI-AGING PHYSICIAN

Frederic Vagnini, MD

The new age of anti-aging medicine is now the regenerative medicine aspect and this is well in the works. The stem cell, genetic management, and cell and telomere biology is now a reality. As anti-aging scientists and physicians, we cannot forget the progression of degenerative diseases as a continued important aspect of our work. Since 1970, the incidence of obesity has doubled, diabetes has tripled, and heart disease and stroke remained the #1 cause of death and disability. This presentation will outline a comprehensive and unique program developed at the Heart Diabetes and Weight Loss Centers of New York. This V-Protocol is a multifaceted approach to:

1. Reverse visceral adiposity
2. Aggressively treat prediabetes
3. Reverse diabetes and prevent complications with:
 - a. Treat hyperglycemia
 - b. Reverse insulin resistance
 - c. Preserve beta cell function
 - d. Stop glycation
4. Control hypertension
5. Manage specific lipid abnormalities

GOALS & OBJECTIVES:

- Learn the V-Protocol as a multifaceted approach
- Discuss the roles of both regenerative medicine and the progression of degenerative diseases

CELL-BIOLOGY CHANGES DURING PATHOLOGICAL PROCESSES INVOLVED IN OBESITY

Chen Chen, MD

Our obese and overweight populations have expanded over the past several decades, with an increased incidence associated with escalating ageing population. Obesity itself is linked to several metabolic disorders such as type 2 diabetes, chronic heart failure and ischemic cardiomyopathy. Pathological changes in neuroendocrine profiles, particularly pituitary growth hormone (GH) deficiency, are also linked with obesity. Our laboratory utilizes cell biology approaches to investigate the pathological mechanisms underlying these diseases. We are also in the process of assessing the effects of endogenous hormones and their synthetic analogues on obesity-related disease processes, with a view to adapting these as potential treatments in the future.

We have harnessed an isolated pancreatic islet cell model to study the effects of free fatty acids on insulin and glucagon. Specifically we have been looking at changes in membrane ion channels, fatty acid receptors, intracellular signalling systems and expression levels of key signalling molecules in islet cells. We hypothesise that differences in receptor distribution and signalling among islet cells may be responsible for islet dysfunction in diabetes, which if proven to be true will present us with a potential target for treatment.

GOALS & OBJECTIVES:

- Clarify some of the cellular and molecular changes that occur during obesity
- Discuss the changes that may contribute to the development of type 2 diabetes, ischemic heart disease and GH deficiency
- Discuss the mechanisms that may reveal novel targets for treatment of these metabolic disorders

ANTI-AGING MEDICINE: A PERSONALIZED APPROACH TO HEALTH CARE

Pamela W. Smith, MD, MPH

This seminar will look at the science behind Anti-Aging Medicine as a medical specialty. Medicine in this decade is at a crossroads. Research reflects that patients can now be offered personalized medicine as opposed to protocol care which is one size fits all. No longer will a physician have to treat only the symptoms. The practitioner will now be able to look at the cause of the problem specific to a patient's own genetic history, environment, and medications. Studies are now showing, that many chronic diseases are 20 percent inherited and 80 percent environmental. Consequently even though your patient may have inherited a gene for a disease, whether they display the phenotype and go on to have the disease depends on the environment that the patient puts their body in. Anti-Aging Medicine Case Histories will also be discussed.

GOALS & OBJECTIVES:

- Examine the science behind Anti-Aging Medicine as a medical specialty
- Look at a systems approach to individualized medical care
- Understand how an elevated homocysteine level affects many systems of the body
- Learn how nutritional depletions can affect overall health
- Learn how hormonal decline affects the health of the patient as they age

TRACK 1 – ADVANCES IN ANTI-AGING MEDICINE**MITOCHONDRIAL FUNCTIONAL GENE THRESHOLD CONTROL OF CELLULAR AGING**

Bill Deagle, MD

Mitochondrion is the powerhouse of the cell and has its own ring chromosome. In antiaging cellular theory, in the past cellular energetic was relegated to a lower importance theoretically, on cellular autophagy or the removal of old intracellular organelles and regeneration of cellular structures, cell division and DNA repair mechanisms. The Hayflick Theory of limited cellular division is incorrect in observations of biological aging systems, and telomere length is more a representation of health of cellular repair mechanisms. Aging of humans is best predicted by average healthy non-traumatic life spans of the last three maternal lines. This talk will focus on the wealth of research that show the primary aging mechanism is the result of accumulated toxic heavy metals, volatile organic chemicals, and cellular metabolic byproducts that degrade mitochondrial function and the lack of intracellular mitochondrial function caused by toxic heavy metals and mineral and vitamin cofactor deficiencies for ATP and NADH production. As well accumulated ring chromosome deletions, and lack of activated T3 and diatomic molecular Iodine and organic Selenium to allow mitochondriogenesis and repair and cellular gene complexes triggers threshold mitochondrial dysfunction that produce a genetic suppression of cellular autophagy and cell division and prevention of stem cell migration, differentiation and expression of the organ and tissue rejuvenation and structural functional integrity. The new science of mitochondrial antiaging energetics and suppression of cytokines and genetic switching that allows life extension via high maintenance of mitochondrial function will be discussed with reference to specialized natural mitochondrial natural metabolic support. Testing proposals for scanning mitochondrial function, cell culture with energetics challenge testing in vivo of live blood cells and strategies to upgrade or transplant mitochondrial in the future will be presented theoretically for future development of this antiaging technology.

GOALS & OBJECTIVES:

- Understand the current state of the art of cellular mitochondrial aging science
- Develop natural strategies to support natural augmentation of mitochondrial function with specialized wellness natural metabolic support
- Propose clinical monitoring strategies of scanning EM of mitochondria, metabolic in vivo testing metabolic functional status evaluations and future technologies of mitochondrial upgrades and mitochondrial transplantation nanotechnologies

LEPTIN, AGING, AND OBESITY

Eric Braverman, MD

Leptin, a protein produced by neurological tissue, primarily the hypothalamus, brain stem, and adipose tissue, acts as a peripheral metabolic signal to the brain. It reaches the brain, crosses the blood-brain barrier, and accumulates in neuronal cell bodies expressing leptin receptors. This protein reduces body weight by inhibiting feeding behavior and increasing fuel expenditure. It is thus an integral component of energy homeostasis and regulation of body weight. Although it is thought that these effects are mediated by the direct action of leptin on hypothalamic neurons, recent studies have found close interactions between

.1

second separates a young brain from Alzheimer's.

HOW OLD ARE YOU?

3 WAYS TO FIND OUT...

brain

BEAM test assesses your brain speed & how it impacts your health.

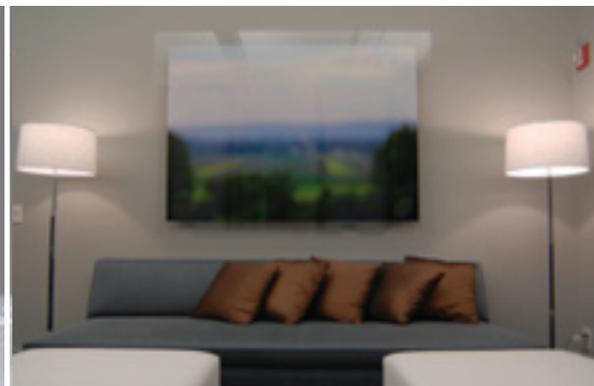
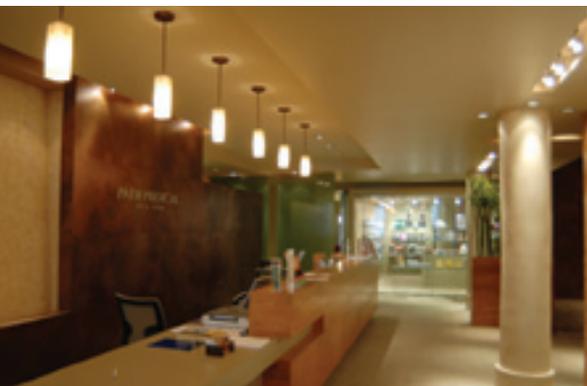
body

Multiple ultrasounds uncover your body's weakest links.

both

A mini experience of Dr. Braverman's 21st Century head-to-toe assessment.

LIFE. EXTEND IT.



Coming December 9th-11th to The Anti-Aging Expo Las Vegas | Booth 614
Appointments are limited to 12 per day. Call Susan Scali, Executive Health Liason,
to reserve your slot, or visit us at booth 614.

1 888-304-PATH (7284) | www.pathmed.com

leptin and the D2 receptors and serotonergic system. During the aging process, there is a decline in the dopaminergic and serotonergic systems that are both activated by leptins. There is also greater adiposity despite high serum leptin levels, in part due to a reduction in the number of leptin receptors in these areas of the brain.

Aging is associated with a gradual loss of physiological functions and a decline in plasma concentrations of several steroid hormones. There is a correlation between declining estrogen and testosterone levels and low leptin levels. Aging-associated alterations in body composition, which include increased fat mass, loss in muscle size and strength, and loss of bone, are at least in part related to specific endocrine changes. In particular, individuals with elevated leptin levels develop osteoporosis, hyperlipidemia, and obesity. Extremely low leptin levels may be associated long term with oligomenorrhea, anorexia, too much thinness, and dementia. Therefore, it would be beneficial to maintain leptin levels in a middle or low range so that individuals may stay thin as they treat their brain chemistry.

GOALS & OBJECTIVES:

- Discuss how Leptin is an integral component of energy homeostasis and regulation of body weight
- Learn the correlation between declining estrogen and testosterone levels and low leptin levels

BENEFITS OF SYNERGIC APPLICATION OF PERIOPERATIVE IV & ORAL NUTRITION THERAPY

Ferdinand Cabrera, MD

The surgical patient faces many risks, including infection, delayed wound healing, and a weakened immune system. These outcomes are due in large part to a rising prevalence of malabsorption in the general population, as well as in the surgical patient population. According to the National Institute of Health, the prevalence of digestive disorders known to cause an absorption deficiency is approx 1 in 4 of the American population, or 22.06%. "In studies involving more than 1,327 hospitalized adult patients, 40% to 55% were found to be either malnourished or at risk for malnutrition, and up to 12% were severely malnourished."¹ Surgical patients are two to three times more likely to encounter a postsurgical complication due to an existing absorption deficiency.¹ With the growing awareness and support of integrative medicine, it has come to light that a combination of IV and oral nutrition therapy can present the surgical patient with a host of added safeguards, targeting infection, wound healing, and immune response. Studies of patients that receive treatment support the idea that perioperative parenteral nutrition decreases infection rate, speeds up wound healing, and protects the immune system from critical loss of efficacy.

GOALS & OBJECTIVES:

- Identify and recognize the prevalence of malabsorption in the general population,
- Recognize the risk of the surgical patient with weakened immune system
- Identify the nutrients required for patient therapy within the perioperative period

SUCCESSFUL HEALING AND ANTI-AGING WITH SPECIFIC LOW FREQUENCY E/M FIELDS

Wolf-Dieter Kessler, MD, PhD

The bottom line is: If you use a specific electromagnetic frequency which is matching the spinning frequencies of hydrogens of a particular aging tissue, its atoms and electrons will be collectively excited by resonance. So the electrons will emit their photons together and will produce an enormous bundle of coherent laser light in the cells. Since these photons can circle between molecules without loss of energy over a long time, their coordinated actions exert the astounding order and repair effect.

Using pulsating specific electromagnetic fields is a true anti aging process and explains the dramatic pain improvement in osteoporosis, non jointed bone fractures, as well as improvements of numerous health disorders.

HORMONE DECEPTION: DETOXIFYING THE ENDOCRINE DISRUPTORS NATURALLY

Debra Muth, NP, ND

Hormones are affected by environmental foods and daily products used by every woman. This program will provide research on how these products directly affect the hormonal balance and will provide an integrative approach to detoxifying these disruptors using food and herbs.

The endocrine system is affected by the toxic exposures disrupting all of the hormones produced by the endocrine system on a daily basis. With the disruption in our food source, air and water contamination, and imported products without regulation today our exposures are rising every day.

It is important to have tools that assist women and men in purifying the body from these toxins to prevent illness and disease. A review of purification will be provided and practitioners can implement this treatment option immediately upon returning to their office.

GOALS & OBJECTIVES:

- Review the endocrine system and how these chemicals affect the hormone production
- Review the various foods and products and how they disrupt the endocrine system
- Identify the hormones that are directly affected by these foods and chemicals
- Review a natural purification program that includes using foods and herbs to free the body of these disruptors

WIRELESS RADIATION, CELL PHONES & ELECTRO-SENSITIVITY – CHALLENGES FOR AGING WELL IN THE DIGITAL AGE

Kerry Crofton, PhD

The new frontier in anti-aging medicine? Discover what you, and your patients need to know, about wireless radiation: against the head, near the heart, on the lap, close to pregnant women, infants and children, in schools and hospitals – on your last flight? Yes, this technology is convenient, and everywhere, but there is biological and epidemiological evidence of harm and science-based safer solutions. This presentation is drawn from my book, "Wireless Radiation Rescue: safeguard your family from electro-pollution" – the research and recommendations of leading scientists and clinicians, including cardiologist Dr. Stephen Sinatra, member of the A4M Board of Scientific Advisors.

Increasingly, our wellbeing and longevity may depend on how effectively we control electro-pollution, and diagnose and treat related symptoms. This new environmental burden plays a significant role as we age. The focus of this presentation is:

- How to use cell phones, cordless phones and wi-fi more safely to reduce cancer, cardiac and other known health risks
 - Realize why exposure guidelines are not accurate. Adverse health effects occur at non-thermal levels far below government thermal-only standards
 - Recognize EMR- related conditions including electro-sensitivity (ES). As many symptoms are similar to the aging process, this has been called 'rapid aging syndrome'. Learn about integrative ES protocols from clinicians specializing in this emerging condition
 - A brief summary of scientific evidence, including why wireless radiation causes the most concern; why children and teens are most at risk, and the health (and safety!) concerns with wi-fi in the sky
- Will include a demonstration of wireless radiation levels from mobile phones/hand-held PDAs.

GOALS & OBJECTIVES:

- Identify the Sources: cell phones, PDAs, wireless Internet, laptops, cordless phones, baby monitors, fluorescent lights, power lines, hybrid cars, security scanners and diagnostic imaging
- Recognize the Symptoms: these may include: sleep disruption, vertigo, tinnitus, arrhythmia, tachycardia, TIA, immune suppression and cognitive impairment



- Assess the Science: biological effects at non-thermal levels: damage to DNA (Lai, Singh, Philips); leakage of the blood-brain barrier (Salford, Persson); immune system suppression (Johansson, Namamura); people who started mobile phone use before the age of 20 had a more than five-fold increase in glioma (Hardell.) The Interphone study: an increased brain cancer risk of 40% with cell phone usage of thirty minutes a day over ten years. Proximity to antennas: an increase in leukemia (Michelozzi, Hocking.)
- Discover the Solutions: comprehensive approach to ES, and risk reduction including the Wireless Radiation Rescue 4-Step Plan. (More details at www.radiationrescue.org)

TRACK 2 – STEM CELLS

STEM CELLS AND THE FUTURE OF REGENERATIVE MEDICINE

Dipnarine Maharaj, MD

Controversy surrounding embryonic stem cells centers around the question of ‘what is life?’ Those against stem cell technologies believe that scientists are destroying a life when stem cells are taken from a 3-4 day old embryo. Some may believe that the act of “taking a life” solely for the purpose of research or treating patients suffering from degenerative diseases devalues the meaning of life and therefore begs the age old question of ‘where life begins?’ Researchers, physicians, patients and indeed the general public actively rallying for more support, funding and less restriction may have their own opinions about such monumental questions that effect every human but they are clearly in support of healthy adults having their own stem cells collected and stored for future use and expectant parents arranging for their newborn’s cord blood (a type of adult stem cells) to be collected at birth and stored on behalf of their child because they have seen patients successfully treated with the use of stem cells.

Regenerative medicine is an emerging branch of medicine with the goal of restoring organ and/or tissue function for patients with severe injuries or chronic diseases in which the body’s own responses do not suffice to restore functional tissue. A growing crisis in organ transplantation and an aging population have driven a search for new and alternative therapies. Recent publications suggest that there are approximately 90,000 patients in the US transplant waiting list. In addition there are a wide array of major unmet medical needs which might be addressed by regenerative technologies. While some believe the therapeutic potential of stem cells has been overstated, an analysis of the potential benefits of stem cell based therapies indicates that 128 million people in the United States alone may benefit with the largest impact on patients with cardiovascular disorders (55 million), autoimmune disorders (35 million) and diabetes (16 million US patients and more than 217 million worldwide): US patients with other disorders likely to benefit include osteoporosis (10 million), cancer (10 million) Alzheimer’s and Parkinson’s Diseases (5.5 million), severe burns (0.3 million), spinal cord injuries (0.25 million).

Research has shown the potential use of stem cells to treat patients with Congestive Heart Failure, Myocardial Infarction, Strokes, Multiple Sclerosis, HIV/AIDS, Juvenile Diabetes, sickle cell anemia and deafness. Another recent breakthrough is the discovery of the potency of stem cells derived from menstrual blood as another possible (and perhaps less controversial) source of stem cells.

PLATELET RICH PLASMA AND STEM CELL INJECTIONS IN AN OFFICE SETTING

Joseph Purita, MD

We have treated a variety of orthopedic conditions including disorders of the shoulder, hip, knee, ankle and spine. Our shoulder cases include rotator cuff tears, tendonitis. Glenoid labral tears and degenerative arthritis of the gleno- humeral joint. Our experience with hips includes labral tears, avascular necrosis and degenerative arthritis of the hip. Our experience with knees is quite extensive. We have treated meniscus tears, ACL tears, and all forms of degenerative arthritis. In addition to the above-mentioned areas we also have treated various other joints (ankle S.I., hand and foot) tendon injuries in the foot and elbow, muscle tears, and a variety of spinal injuries.

What we wish to demonstrate is that our results are easily obtained and reproduced in office setting at a cost that is quite reasonable for the age management physician. For instance, the cost of a fat stem cell graft

UNIVERSITY COMPOUNDING PHARMACY



**WE DELIVER
ANYWHERE
in the USA**



Specializing in:

- Bio-Identical Hormone Replacement
- Physician Training Seminars
- Non-Commercially Available Formulations
- Alternate Routes of Administration
- Discontinued & Off-Patent Drugs
- In-Office Use Supplies
- Suppositories (Vaginal & Rectal)
- Sterile Injectable Medications

800-985-8065 | www.ucprx.com



University Compounding Pharmacy is a

**Board Certified
Compounding Pharmacy**



UNIVERSITY
COMPOUNDING
PHARMACY
www.ucprx.com



and bone marrow stem cell injection typically costs the physician less than \$800 (U.S.). We make use of fat grafts, which act as both a source of stem cells and a scaffold for our injections. The fat grafts are obtained by a very simple mini-liposuction technique which is demonstrated in the talk. We are harvesting bone marrow stem cells under local anesthesia and using a centrifuge to separate them out. When we use PRP we again use a centrifuge to separate out the PRP. All stem cells obtained are injected into the patient within an hour or so of harvesting. There are not any regulatory problems with the U.S. FDA when performing our techniques. In addition to the injections, we are stressing certain supplements, which seem to have beneficial effects on the release of stem cells.

GOALS & OBJECTIVES:

- Demonstrate the technique for obtaining a fat graft with a simple liposuction technique
- Review of the basic science of stem cells and PRP

CATHETER-BASED TRANSCARDIAL DELIVERY OF AUTOLOGOUS BONE MARROW-DERIVED CELLS IN PATIENTS WITH HEART FAILURE DUE TO DILATED CARDIOMYOPATHY

Timothy Henry, MD

Heart failure remains a major public health problem, affecting 5 million patients in the US, with 550,000 new diagnoses made each year (Hunt SA; et al., 2005). Heart failure is the leading cause of hospitalization in persons over 65 years of age with cost exceeding \$29 billion annually. Prognosis is very poor once a patient has been hospitalized with heart failure. The mortality risk after heart failure hospitalization is 11.3% at 30 days, 33.1% at 1 year and well over 50% within 5 years (Hunt SA; et al., 2005). These numbers emphasize the need to develop and implement more effective treatments to manage heart failure.

This study targets a subset of heart failure patient population, namely those diagnosed with dilated cardiomyopathy. The World Health Organization (WHO) defines dilated cardiomyopathy (DCM) as a cardiac condition wherein a ventricular chamber exhibits increased diastolic and systolic volume and a low (<40%) ejection fraction (Manolio TA; et al., 1992; Towbin JA; et al., 2006). DCM is reported to affect 108,000 to 150,000 patients in the United States (Richardson P; et al., 1996; Towbin JA; et al., 2006).

This study is a prospective, stratified, randomized, open-label, controlled, multi-center study to assess the safety profile and the efficacy of CRCs administered via catheter in treating patients with DCM. Two strata will be used: ischemic (IDCM) and non-ischemic (NIDCM). Within each stratum, patients will be randomized to receive either CRC treatment or control in a 2:1 ratio (8 patients per CRC treatment group and 4 patients per control group). It will enroll a total of 24 patients at 2 sites in the U.S.

This presentation will outline the details of the study and the results obtained thus far.

ADIPOSE-DERIVED MESENCHYMAL STEM CELLS VS. BONE MARROW-DERIVED MESENCHYMAL STEM CELLS

Keith March, MD

Human mesenchymal stem cells have been reported to be present in bone marrow, adipose tissue, muscle, peripheral blood, and dermis and have the potential to differentiate along the following lineages: osteogenic, chondrogenic, adipogenic, neurogenic, and cardiogenic. This potential makes mesenchymal stem cells ideal candidates for cell-based therapies. This presentation will review the characteristics, advantages, disadvantages, and differences between adipose-derived and bone-marrow derived stem cells in clinical treatment. Additionally, a comparison of the immunomodulatory effects of ADSC and BMSC will be examined.

GOALS & OBJECTIVES:

- Review advantages and disadvantages of ADSC and BMSC
- Discuss characteristics of ADSC and BMSC
- Review immunomodulatory effects of ADSC and BMSC

CELL THERAPY IN CHRONIC CRITICAL LIMB ISCHEMIA - BONE MARROW ASPIRATION CONCENTRATE OR STROMAL VASCULAR FRACTION FROM LIPOASPIRATE

Vaclav Procházka, MD

Treatment of chronic wounds in peripheral arterial occlusive disease is highly prevalent in diabetics that represent about 7% of general population. In Eurodiale Study group, PAOD was diagnosed in 49% of patients presenting with new diabetic foot ulcer. Critical limb ischemia (CLI) develops suddenly and causes 50% - 67% of all nontraumatic amputations. Fifty two percents of diabetics with CLI die during the 4.5 year follow up. The aim of our study was to prevent amputation, morbidity and mortality associated with CLI, by the local autologous bone marrow stem cells (ABMSC) or stromal vascular fraction from adipose tissue lipoaspirate (ADSC) application.

THERAPEUTIC AND REGENERATIVE POTENTIAL OF ADIPOSE-DERIVED STEM CELLS

Vasilis Paspaliaris, MD, PhD

Stem cell therapies hold great promise for anti-aging benefits as they are regenerative in nature. Autologous adipose-derived stem cell transplants hold even more potential as they have no ethical barriers and require no expansion. We have devised a method that entails the isolation of stem cells from fat derived from a mini-liposuction procedure, their activation from a quiescent stage to an active stage using laser light, and their reintroduction back into the patient via intravenous mode. This method has now been performed on over 500 subjects over a three-year period with no adverse effect. The anti-aging benefits that have been observed and reported include increased energy level, vigor, stamina and desire for physical activity, improved short-term memory and powers of attention and concentration, better moods, improvement in sleeping patterns, enhanced sexual function and potency, better appetite and improved digestion, improved hearing and eyesight, improved skin vitality, hair growth, thickness and blackening. Benefits were also observed on a variety of degenerative disease types; however, they were on a small sample number. A clinical trial was then performed to assess the efficacy of the therapy on 34 patients with type II diabetes mellitus. Observation of these patients over 18 months post-operation at various time points has shown a significant and sustained reduction in fasting glucose levels and glycosylated haemoglobin, with an initial 3-month reduction in triglycerides. There was no change in total cholesterol and other CBC, LFT and KFT values. The results of the trial to date suggest that the autologous adipose derived stem cell therapy appears to help type II diabetes patients by decreasing their resistance to insulin. After analysis of the secretory peptides of the adipose-derived stem cells, we believe that many of the anti-aging effects observed in patients is due to the secretion of a number of biologically active proteins. A synthetic peptide derivative of one of these proteins has been constructed for subcutaneous injection and is showing interesting results on type II diabetic subjects upon administration.

GOALS & OBJECTIVES:

- To summarise the state of stem cell therapies for regenerative medicine
- To introduce Adistem's procedure for isolation and activation of adipose derived stem cells
- To introduce the concept that adipose derived stem cells are drug delivery vehicles in vivo

A VALIDATED METHOD FOR THE ISOLATION OF ADIPOSE DERIVED STEM CELLS AND THEIR IMPORTANCE IN REGENERATIVE MEDICINE

Sharon McQuillan, MD

Recent studies have identified adipose tissue as an alternate source of stem cells. The procedure for obtaining adipose derived stem cells from the patient is a relatively simple process and tolerated by most patients. Fat tissue can usually be found in abundance within the patient's own body and has a greater number of stem cells than bone marrow. ADSCs can be isolated from stem cells in under 2 hours. In contrast, the procedure for obtaining stem cells from bone marrow can be painful and often yields a low volume of stem cells.

ADSCs can be used at the site of injury or disease, as well as for soft tissue defects and fat transfer. Regenerative cells may amplify the body's own repair process, accelerate healing, repair damaged and diseased tissue, and prevent scarring and loss of function. ADSCs have demonstrated angiogenic properties and can provide a practical approach to tissue vascularization.

A barrier to implementation of ADSCs into clinical practice has been the lack of an affordable, efficient, regulatory compliant, validated method for the isolation of adipose derived cells from the lipoaspirate. The automated methods are not currently approved for commercial clinical use except under an IND, IDE or an IRB trial. The price point of these devices upon approval is projected to be \$70-90,000 US with a consumable cost between \$2,000-\$5,500 per case. These financial considerations will make the automated systems financially challenging for use in the field.

TRACK 3 – BREAKTHROUGHS IN ANTI-AGING MEDICINE

ANTI-AGING TRIAD: TELOMERES, STEM CELLS AND CALORIE RESTRICTION

Stephen Holt, MD, PhD

Anti-aging medicine seeks evidence-based proposals to promote longevity. I propose “a trilogy” of interventions that are key targets in the future of anti-aging medicine. These proposals will ultimately supersede current “band aid” anti-aging initiatives such as hormone replacement therapies or standard esthetic interventions. In the last two decades there has been expanding scientific research on the importance of telomere shortening as a biomarker of aging; and a confirmation of the role of calorie restriction in the enhancement of average and maximum lifespan. Stem cell sciences are emerging with promise for the management of chronic disease, new methods for organ production and specific actions on longevity promotion. **(1) Calorie restriction** (at least 30% below free-feeding levels) causes many positive biological changes in a large range of animal species that have undergone biophysiological testing and longevity assessments. Elucidation of the favorable biochemical or physiological changes that accompany significant levels of calorie restriction has led to the proposal that various pharmaceuticals or dietary supplements could be used to mimic these desirable changes in body structure and functions. This knowledge underpins the concept of “calorie restriction mimetics” which are defined as agents that can reproduce one or more of the principal biological effects of calorie restriction. Nutraceutical technology has created synergistic dietary supplements that contain an array of calorie restriction mimetic compounds. **(2) Telomeres** are protective DNA caps that are found on the end of linear chromosomes. These caps function to prevent loss or corruption of genetic information during cell division. Telomeres are supported by the enzyme telomerase. Telomere shortening occurs with age, resulting in cell senescence and abnormal chromosome function, with emerging chronic disease e.g. cancer or CVS disease. A natural protocol to provide telomere support has been developed by utilizing lifestyle change, telomere monitoring, diet, meticulous disease management and specific nutraceuticals. Valuable natural substances that support telomeres include: Chinese ginger root, Astragalus extracts, Omega 3 fatty acids, antioxidants, Vitamin D, Folate, Vitamin B12, Nicotinamide, multivitamins, alpha-tocopherol, N-acetylcysteine, statin compounds and extracts of Gingko biloba. **(3) Stem cell treatments** can be used to replace diseased or ailing tissues and they may exert a primary role in “anti-aging itself”. Several drugs and pharmaceuticals are known to mobilize adult stem cells. Drugs such as G-CSF, interleukins and other cytokines are used in conventional medical treatments or research to mobilize bone marrow stem cells.

GOALS & OBJECTIVES:

- Discuss the “Trilogy” of interventions
- Review Calorie restriction – advantages and disadvantages
- Review telomeres and their functions

THE EVOLUTION OF NUTRITIONAL SUPPLEMENTATION

Mitchell J. Ghen, DO, PhD

Due to widespread significant difficulties with absorption, oral nutrient repletion is often a failure or less than adequate for a treatment. Multiple variables which include poor stomach acidity, medications, malabsorption, gastric bypass and similar surgeries, and problems directly related to assimilation of the product itself are a few examples of why oral supplementation is often a failure. There are many options available to the practitioner that include tablets, powders, capsules, intranasal sprays, topical gels, sub-lingual drops, troches, and intravaginal and rectal formulas. It is difficult for the practitioner to often decide which of these delivery mechanisms makes the greatest sense when it comes to individualizing the treatment for a patient. New technology can deliver adequate levels of nutrients to the cells and their milieu regardless of the obstacles of absorption encountered. The lecturer will perform a critical analysis of the different delivery systems available with specific emphasis on the newest method that gives practitioners of anti-aging medicine a true advantage to be able to effect optimization of cellular function.

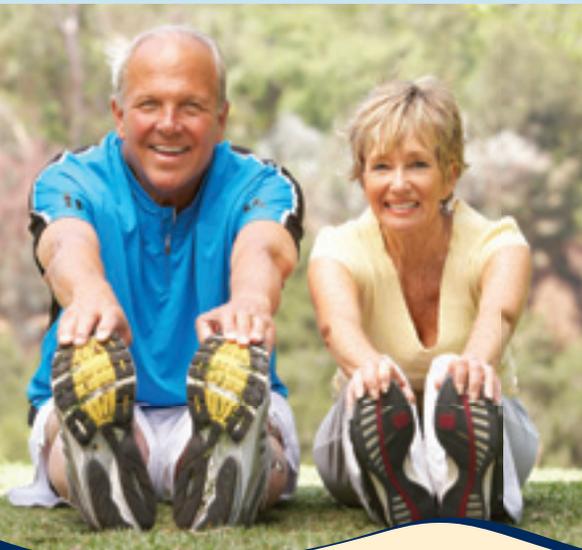
CLINICAL INTERVENTIONS FOR ENVIRONMENTAL TOXINS, DETOXIFICATION METHODS AND DIAGNOSTICS FOR THE ANTI-AGING PRACTITIONER

Rita Ellithorpe, MD

Integrative applications in clinical practice for the removal of a variety environmental toxins are becoming more recognized in the field of anti-aging medicine. Harmful substances can either be reduced or made less toxic through oxidation, conjugation and excretion of molecules from cells or tissues. These mechanisms exhibit significant individual variability and are affected by environment, lifestyle, and genetic influences. The scientific literature suggests an association between impaired detoxification and certain diseases, including cancer, Parkinson's disease, heart disease, fibromyalgia, and chronic fatigue/immune dysfunction syndrome.



Help Your Patients Realize Their Wellness Potential... Faster!



The TRIAD Profile can help achieve wellness goals with three customized profiles—**OrganixSM**, **Amino Acids**, and **AllergixSM** Profiles—in **ONE**. Organic acid testing can reveal vitamin/mineral insufficiencies, while amino acid levels are key in nearly all physical and mental functions. IgG food sensitivities can be detected and modified with diet. Gain optimal health and increase energy levels with TRIAD.

TRIAD is also available as a non-invasive BloodspotSM!

Learn more at www.metamatrix.com/triad2 or visit us in the A4M exhibit hall at booth 707.



800.221.4640 • www.metamatrix.com

This presentation is an overview of scientific evidence, original research and practical clinical experience for the utilization of enzymes (specifically cytochrome P450 oxidases, UDP glucuronosyltransferases, and glutathione S-transferases, nutritional supplementation, infrared sauna treatment, dietary regimens, chelation therapy, antioxidants, colon therapy, hydration with micronized alkaline water and moderate exercise that have all been clinically validated or widely used to diminish environmental toxification. Our treatment modalities are targeted to the improvement of microcirculation and cell membrane repair as evidenced not only by published studies showing clinical benefits, but also by practical experience in our anti-aging clinic. This presentation also addresses various diagnostic means to assess the presence and excretion of environmental toxins.

GOALS & OBJECTIVES:

- Review environmental toxins and the role they play in anti-aging medicine
- Discuss the scientific evidence and original research for the utilization of enzymes
- Discuss various diagnostic means to assess the presence of environmental toxins

THE VITAMIN D ENDOCRINE SYSTEM AND BODY WEIGHT REGULATION

Stephen Joyal, MD

In the midst of an obesity epidemic with about two-thirds of the US population overweight and nearly one-third characterized as obese (between 30 to 50 lbs. over ideal body weight based upon gender and height), an epidemic of vitamin D insufficiency concurrently exists. Activated metabolites of prohormone vitamin D bind to the VDR on the nuclear membrane as part of a complex, highly regulated vitamin D endocrine system. A review of the complicated metabolism of vitamin D, sites of regulation of critical enzymatic control, and a discussion of pertinent *in vitro*, preclinical *in vivo*, and clinical data from the peer-reviewed literature examines the role of the vitamin D endocrine system in the regulation of body weight.

TRACK 4 - INNOVATIONS IN ANTI-AGING MEDICINE

HIGHLY EFFECTIVE SOLUTION FOR THE TREATMENT OF ANXIETY, DEPRESSION AND INSOMNIA DISORDERS WITH NO SERIOUS SIDE EFFECTS

Nancy E. White, PhD, LPC, LMFT, AAC

In an average year in the U.S. some 40 million people suffer from anxiety and another 20 million become clinically depressed. The symptoms of these disorders cause substantial distress for the sufferers and their families and cost society dearly each year in lost time and suboptimal job performance. Moreover, the number of people exhibiting symptoms of depression and anxiety continues to grow and is projected to continue growing until 2020. Persons who cannot find an effective solution to their depression or anxiety tend to get worse and develop dysfunctional behaviors and habits as they seek to compensate, making treatment even more complex. These behaviors and habits not only complicate treatment, but can speed the progress of degenerative diseases and advance the aging process.

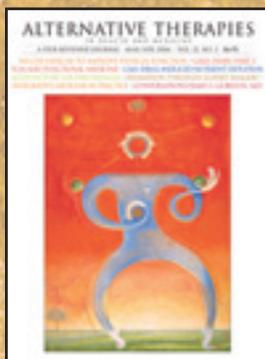
Increasing evidence is being published showing that antidepressants are effective medication for non-psychotic depression although not much greater than placebo in most cases; however, they often have a number of side effects up to and including death via suicide or uncontrolled behavior. This presents the industry with a huge challenge for the ever increasing need for effective methods of treating people suffering from anxiety, depression and insomnia.

Recent experience suggest that the implementation of a reliable and safe non-invasive transcranial electrical stimulation (TES) method for the treatment of depression, anxiety and insomnia is vital to achieving success in this arena. A desirable and efficient method would be capable of normalizing the brain's

3 Essential Tools of the Trade

Put us to work for you and save 50%!

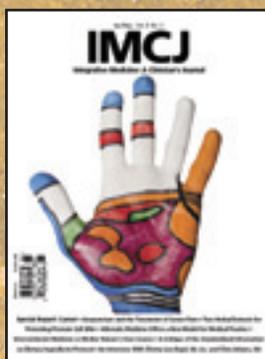
As an A4M conference attendee, you are invited to take advantage of our industry-leading peer-reviewed medical journals. This special offer will help you increase your reach and knowledge as well as build your business in the CAM industry. Here are the 3 ways:



1

Alternative Therapies in Health and Medicine

Print or digital subscription and online access to complete article archive



2

Integrative Medicine: A Clinician's Journal

Print or digital subscription and online access to complete article archive



3

Free 6-month listing on the ***Practitioner Directory Listing*** at naturalsolutionsmag.com. Expose your practice to more than 620,000 potential new patients!

For more information, visit www.innovisionhm.com



neurochemistry through stimulation of the hypothalamic and limbic systems. The hypothalamus attracts attention as a target for this approach to mediating mood disorders because of its wide role in maintaining homeostasis in the brain-body system, including the use of various neurotransmitters, distributed among its nuclei, and in its control of the pituitary gland. The hypothalamus also connects with higher parts of the cerebral cortex, including the orbitofrontal cortex, either by direct projections or through the thalamus, facilitating interactions between physical and mental processes, including those interactions affecting mental and emotional states.

GOALS & OBJECTIVES:

- Discuss the effectiveness of this TES protocol in the everyday clinical setting using as measurement standards the quantitative EEG (qEEG) and a multifaceted battery of pre- and post-tests and scans readily available in the clinical setting
- The presentation contrasts the results of pre-treatment and post-treatment testing and uses those contrasts to indicate what may be the anti-aging potential of TES
- Case studies demonstrate the nature and progress of treatment and describe some specific outcomes.

IS RESVERATROL A TRUE ANTI-AGING COMPONENT?

Richard Baxter, MD

Resveratrol, a polyphenol molecule from red wine, is a candidate molecule for a comprehensive anti-aging intervention. Several lines of evidence suggest a role in delaying the onset of degenerative diseases, including cardiovascular, Alzheimer's, infectious diseases, cancer, osteoporosis, diabetes, and photoaging of the skin. Resveratrol has been reported to activate sirtuins, the enzymes responsible for lifespan extension from caloric restriction. However, the phenomenon has not been demonstrated in mammals, and some studies offer contradictory results. Nevertheless, the use of resveratrol as a dietary supplement has become popular, despite the lack of clinical evidence of efficacy.

GOALS & OBJECTIVES:

- Discuss how a comprehensive approach to anti-aging must address more than issues of appearance or a recalibration of physiologic parameters to approximate youthful norms
- Discuss the advantages and disadvantages of Resveratrol in the aging process

BUILDING SUCCESSFUL SYNDROME-BASED PROTOCOLS

Leonid Ber, MD

Metabolic Syndrome has been defined as a particular constellation of findings that dramatically increases the risk of cardiovascular disease and mortality. We present a systematic approach to align these well-defined diagnostic criteria and intervention goals with the alternative modalities resulting in an easy-to-use practical protocol for an integrated practice or a naturopathic setting.

Xenobiotic Induced Syndrome associated with heavy metals: using a similar model, a protocol has been assembled that establishes an algorithm for health providers that practice integrative or a non-pharmaceutical approach.

Health providers who are looking for a practical protocol for the selection of interventions for these syndromes may benefit from this approach. Other health practitioners who already use their own protocols may benefit from reviewing this rigorous approach.

GOALS & OBJECTIVES:

- This lecture covers the modern understanding of protocols and syndromes as minimum diagnostic levels that allow beginning of an intervention
- Discuss the principals that align the intervention goals and various intervention modalities.
- Metabolic Syndrome and Xenobiotic Syndrome are reviewed in details.

AQUATIC INTERVENTION FOR LOW BACK PAIN AND RELATED DIAGNOSES

Theresa R. Pantanella, OTD, MPA, OT/L

Chronic low back pain is an inflammatory condition and is the most common complaint at doctors' offices outside of the common cold. The benefits of aquatic therapy, specifically inter-segmental disc decompression using an aquatic environment, will be discussed.

Water has been utilized historically since the Romans for the treatment of pain and to generate feelings of well-being. Immersion in water allows for the removal of gravitational forces from the orthopedic and related structures of the spine, reducing pressure on the spinal nerve roots and vertebral discs. These anti-gravitational effects will allow for an increased capacity of range of motion of the spine. Heat from the water, ranging from 88 to an optimum of 94 degrees will facilitate elasticity of the soft tissues of the spine. The range of motion is effortless and gentle in an aquatic environment. It can be implemented by the patient in order to elicit a regenerative response from the body. Indications and contraindications will be discussed. Other methods of intervention, invasive and non-invasive, will be compared.

Case studies, including herniated nucleus pulposus, sciatica, back sprain/strain, low back pain and piriformis syndrome will be presented. Given the unprecedented increase in low back pain, there is a need for evidence based intervention of low back pain as part of an integrated public health strategy.

LOOK YOUNG, FEEL YOUNGER



ABRAMS ROYAL
COMPOUNDING PHARMACY

214-349-8000 214-341-7966(F) 800-458-0804 WWW.ABRAMSROYALPHARMACY.COM

AESTHETICS, BIO-IDENTICAL HORMONES, PAIN MANAGEMENT, MESOTHERAPY, SCLEROTHERAPY,
CUSTOM IV PROTOCOLS, SEXUAL HEALTH, ENERGY KITS, WEIGHT LOSS

GOALS & OBJECTIVES:

- Discuss the benefits of aquatic environment for regeneration of spine structures following incident causing low back pain.
- Explain the indications and contraindication for aquatic interventions for low back pain.
- State comparisons between aquatic interventions and other interventions, both invasive and non-invasive.

TRACK 5 – AESTHETICS MEDICINE**FRACTIONAL ABLATIVE RESURFACING – THE LAST ADVANCEMENT IN AESTHETIC MEDICINE**

Haneef Alibhai, MD

Fractional Ablative Resurfacing is a treatment for fine to deep wrinkles, scars and superficial skin lesions. The Erbium YAG laser briefly direct intense bursts of laser energy onto the surface of the skin. This energy heats water within the epidermis and dermis, causing both the water and the tissue of the skin to turn to vapor. Every time the laser passes over the skin, some of the outermost layers of the skin are removed in a precise and controlled way to the appropriate depth. Within a few days the area is replaced with fresh, healthy skin generated by the body's lymphatic system. Over time new layers of collagen are produced and the skin resurfaces itself leaving an improved appearance and healthier, younger-looking skin. Patients do experience a week of redness, swelling and peeling after the procedure but the outstanding results are well worth the minimal downtime. Fractional Ablative Resurfacing has revolutioned the aesthetic medical industry.

SKIN COLLAGEN: MORE THAN MEETS THE EYE

Pierre Clero, MD

Collagen is the principal structural protein holding the skin together. The quantity and quality of the collagen has a major role in our appearance.

Chemistry of Collagen

Collagen is a fiber or when fully mature, a mesh of fibers. Collagen is rich in four amino-acids: lysine, proline, hydroxyproline and hydroxylysine.

The Types of Collagen

Collagen is found in the majority of organs, not just the skin. It occurs in different forms known as type. Hence it is not enough to have the right amount of collagen in the right place, it has to be the right type of collagen at the right place.

- Type I Collagen: the most abundant collagen in the body. Found in tendons, bones, skin and other tissues. Particularly abundant in the scar tissue
- Type II, IX, X, XI: Cartilage
- Type III: Common in fast growing tissue, particularly at the early stages (phase I) of wound repair. Much of it is replaced later by the Type I collagen much stronger and tougher
- Type IV: Basal lamina (filtration membrane of capillaries)
- Type V, VI: Generally found alongside type I
- Type VII: Epithelia (lining of GI tract, urinary tract etc..)
- Type VIII: lining of blood vessels
- Type XII: found alongside and interacts with Type I and III

The most abundant types of collagen in the skin are I and III; their fibrils form the mesh largely responsible for the skin's mechanical properties. Other types of collagen in the skin are V, VI and XII. They are found in much smaller amounts and appear to have a supportive role, whose details remain unclear.

GOALS & OBJECTIVES:

- Types of Collagen and the aging process
- Overall the amount of collagen in the skin tends to decline with age

CELL ASSISTED AUTOLOGOUS FAT TRANSFER

Sharon McQuillan, MD

Cell-assisted autologous fat transfer is a promising treatment for soft tissue revolumization and rejuvenation. Cell-assisted lipotransfer or (CAL) involves the combination of autologous adipose-derived stem cells with lipoaspirated fat. Once removed, a portion of the volume of aspirated fat is processed for the isolation of the adipose derived stem cells, while the other half is prepared for grafting. The stem cells and processed fat are combined and injected into targeted sites. The addition of stem cells to fat used for autologous transfer enhances angiogenesis, improves fat graft viability, and reduces postoperative therapy.

There are many benefits to cell-assisted lipotransfer. The adipose-derived stem cells have the ability to differentiate into adipocytes, which contribute to adipocyte regeneration. These cells also have the ability to differentiate into endothelial and vascular cells, resulting in angiogenesis and graft survival. Cell differentiation allows the cells to become specialized based on their placement. The cell-assisted graft also has the ability to age with the host, resulting in a natural and long-lasting result. This presentation will review the concepts of cell-assisted lipotransfer for soft tissue enhancement in the facial, gluteal, and breast areas.

GOALS & OBJECTIVES:

- Explain process of cell-assisted lipotransfer
- Understand benefits of cell-assisted lipotransfer
- Discuss indications, contraindications, patient selection, and possible side effects of cell-assisted lipotransfer

END OF ABSTRACTS

The Las Vegas, NV Anti-Aging Exposition and Medical Conferences International, Inc. wish to acknowledge the gracious support of the following exhibiting companies:

CORPORATE SPONSORS



SHOW SUPPORTERS





Show Guide

LAS VEGAS ANTI-AGING EXPOSITION

December 9 – 11, 2010 | *Mandalay Bay Hotel and Convention Center, Las Vegas, NV*

EXPOSITION HOURS:

Thursday, Friday & Saturday
December 9th, 10th & 11th

Thursday 11:00 am - 6:00 pm

Friday 11:00 am - 7:30 pm

Saturday 10:00 am - 2:00 pm

Consult the Conference Program section in this issue of *Anti-Aging Medical News* for information about the Scientific Program offered by the 18th Annual World Congress on Anti-Aging Medicine and Regenerative Biomedical Technologies. Refer to the Show Guide Addendum, available on-site at the 18th World Congress Winter 2010 Session for additional Exhibitor information.

IMPORTANT NOTICE: PLEASE READ

The Exhibition Hall is a separate commercial exposition, held in conjunction with but distinct from the medical education presentation coordinated by the American Academy of Anti-Aging Medicine (A4M).

Exhibitors are invited to participate on a first-come, first-serve basis. Neither the A4M nor Medical Conferences International Inc. has conducted an evaluation of exhibitors, their products, their labels or labeling, or their representations. A4M and Medical Conferences International Inc. do not vouch for the relative worth, safety or efficacy of products or services displayed. A4M and Medical Conferences International Inc. encourage all attendees to conduct their own independent and diligent evaluations.

Be mindful that anti-aging medicine delivers an innovative model for healthcare in which the sanctity of personal freedoms of choice is upheld. It is with a reverence for freedom of thought, ideas and practice in healthcare that A4M refrains from limiting, censoring, or discriminating against those who wish to present their products or ideas in an open forum of medical professionals.

With this open marketplace, however, it is incumbent that you, the Exposition visitor, is aware that participants at this commercial venue are not endorsed and have not been evaluated or approved by A4M. The A4M encourages you to exercise your personal scrutiny, educated and demanding scientific evaluation in assessing the ideas and products presented.

To restrict this free exchange of thought, both conventional and unconventional, would eliminate true opportunities for breakthrough and discovery vital to our new science. Indeed, freedom of thought is the essential foundation upon which the advancement of health care itself is based.

▮ BADGES

The official registration badge should be prominently displayed at all times for admission to the meeting rooms and exhibit hall, during show hours and official events.

The 18th Annual World Congress on Anti-Aging Medicine and Regenerative Biomedical Technologies issues the following categories of badges.

FULL PASSPORT: All-inclusive admission: Pre-conference session on Wednesday; General Session (Thursday, Friday & Saturday); Evening Workshops; plus Exposition.

GENERAL SESSION: All General Session (Thursday, Friday & Saturday); Evening Workshops; plus Exposition.

DAILY CONFERENCE: All General Sessions on the day selected (Thursday, Friday & Saturday); Evening Workshops (of selected day); plus Exposition (of selected day).

PRE-CONFERENCE: Pre-Conference Session (Wednesday) only.

EXHIBIT HALL ONLY: Exposition during exhibit hours.

FELLOWSHIP: Fellowship Anti-Aging and Regenerative Medicine, Fellowship in Aesthetic Medicine.

WORKSHOP/SEMINARS: Paid for workshops and seminars

▮ SHOW REGULATIONS

1. An official picture ID is required to pick up Name Badge.
2. Name badge must be worn at all times during show hours and official events.
3. No one under the age of 18 will be admitted to the Exhibit Hall.
4. Event is open to healthcare professionals and their invited registered guests only.
5. Still photography is permitted in the Exhibit Hall only by press, with the prior permission of Show Management, and prior permission from the firm(s) whose booth(s) are being photographed. Videography in the Exhibit Hall (motion video, film, or digital) is permitted only at the discretion and with advance permission of Show Management and the prior permission of individual(s) and/or firm being photographed.
6. Audiorecording (tape or digital) of Pre-conference Session, General Session, and Workshop speakers is expressly prohibited. Still photography and videography (motion video, film, or digital) of Pre-conference Session, General Session, and Workshop speakers by any party (ies) other than Show Management requires prior advance permission and authorization.
7. Unauthorized solicitation is prohibited. Solicitation of business on the premises of the Exposition Hall by anyone other than official Anti-Aging Exposition exhibitors is strictly forbidden. Solicitation of business during in, and in the immediate proximity of, the Pre-conference Session rooms and the General Session lecture hall is extremely prohibited. In addition, non-A4M and/or commercial literature of any kind may not be distributed near or at the Congress Registration area and all conference-related general public areas.
8. No medical procedures are permitted to take place in Exposition exhibit hall booths without prior permission of show Management.
9. Smoking is prohibited on the Anti-Aging Exposition exhibit floor and in all meeting rooms.
10. Show Management reserves the right to expel any individual and/or company without recourse or refund at its sole discretion.

OWNED AND PRODUCED BY:





▶ BOOTH #223

A.C. GRACE COMPANY

PO Box 570
Big Sandy, TX 75755
USA

PHONE: 903-636-4368

FAX: 903-636-4051

WEBSITE: www.acgrace.com

EMAIL: info@acgrace.com

A.C. Grace Company®—founded in 1962, is recognized as the 'standard in the industry' for Vitamin E purity. **UNIQUE E® VITAMIN E PRODUCTS** include; Mixed Tocopherols, Annatto Tocotrienol, Natural Moisturizer, and Krill Oil. **UNIQUE C.A.R.E.™ PRODUCTS** (*Complementary & Alternative Resources for Vitamin E*) include products that complement Vitamin E supplementation.



AAG HEALTH

WWW.AAGHEALTH.COM

▶ BOOTH #916

AAG HEALTH & WELLNESS

20800 W. Dixie Hwy.
Aventura, FL 33180
USA

PHONE: 305-682-1818

FAX: 305-682-1833

WEBSITE: www.aaghealth.com

EMAIL: info@aaghealth.com

Founded in 2003, AAG Health specializes in anti aging treatments and age management medicine with an emphasis on hormone replacement therapy. We currently have 25 locations nationwide and are looking to recruit more physicians to join our network.



▶ BOOTH #925

A4M BRAZIL

24141 Ann Arbor Trail
Dearborn Heights, MI 48127
USA

PHONE: 313-561-6800

FAX: 313-561-6830

WEBSITE: www.a4mbrasil.com

EMAIL: info@a4mbrasil.com

A4M Brazil is part of the network of A4M world. In conjunction with several Universities in Brazil, A4M Brazil provides a Masters Degree in Anti Aging, Intensive Courses in Anti Aging, Aesthetic, Plastic Surgery and light/Obesity management. A4M Brazil is hosting its "2nd Int'l Anti Aging & Regenerative Medicine Conference" in Sao Paulo, Brazil, Nov 17-20, 2010.



ABRAMS ROYAL

COMPOUNDING PHARMACY

▶ BOOTH #628

ABRAMS ROYAL PHARMACY

8220 Abrams Rd.
Dallas, TX 75231
USA

PHONE: 214-349-8000

FAX: 214-341-7966

WEBSITE: www.abramsroyalpharmacy.com

EMAIL: info@abramsroyalpharmacy.com

Abrams Royal Pharmacy uses the latest in precision equipment, sterile compounding facilities, pharmaceutical grade chemicals, and quality control to help find solutions to your patient's health care challenges. We specialize in: Aesthetics, Anti-Aging, BHRT, Custom IV Protocols, Pain Management, Mesotherapy, Sexual Health, and Weight Loss.

DR. FUJI

▶ BOOTH #645

ACIGI RELAXATION / FUJIIRYOKI

4399 Ingot St.
Fremont, CA 94538
USA

PHONE: 510-651-9088

FAX: 510-651-6188

WEBSITE: www.drfuji.com

EMAIL: sales@drfuji.com

Fuji Medical Instruments 56-year, FDA has approved Cyber Relax Massage Chairs as Physical Medicine Therapeutic Device. Dr. Fuji helps massage and squeeze away tension, pain and stress.



▶ BOOTH #106

AGE DIAGNOSTIC LABORATORIES

852 S. Military Trail
Deerfield Beach, FL 33442
USA

PHONE: 877-983-7863

FAX: 866-454-9650

WEBSITE: www.ADLTests.com

EMAIL: info@adltests.com

Age Diagnostic Laboratories (ADL) is an international consortium of specialty testing and educational service providers dedicated to the anti-aging physician.

We offer comprehensive anti-aging laboratory profiles with our testing services focusing on hormones and other key bio-markers of physiologic aging.

AdiStem®

▶ BOOTH #249

ADISTEM USA

100 Wilshire Blvd., Ste. 950
Santa Monica, CA 90401
USA

PHONE: 800-240-6480

FAX: not available

WEBSITE: www.adistem.com

EMAIL: info@adistem.com

AdiStem is a leading provider of adipose stem cell extraction and activation products and procedures including its revolutionary LED photomodulation technology. The Adistem technique offers an autologous, single-setting, ethical and economical option enabling you to capitalize on the rapidly increasing demand for stem cell enriched procedures.



▶ BOOTH #115

AGELESS AESTHETIC INSTITUTE

330 Racquet Club Rd.
Weston, FL 33326
USA

PHONE: 800-420-2689

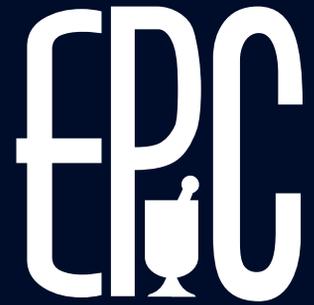
FAX: 866-305-8114

WEBSITE: www.agelessaestheticinstitute.com

EMAIL: aesthetictraining@mac.com

The Ageless Aesthetic Institute provides hands-on procedural training in the following aesthetic treatment modalities: Botulinum Toxin A injections, Facial Filler injections, Aesthetic Lasers and Light, Sclerotherapy, Chemical Peels, Body Sculpture, Advanced Venous Procedures, and autologous adipose-derived stem cell therapies.

Nation's Leading Compounding Pharmacy



Omaha, NE
Boulder, CO
888.733.0300

Weight loss Compounding

❖ **HCG 6 week Kit (2x4000 IU) w/supplements** \$150
Green Tea Extract/L-Carnitine/Glucose Tolerance/5HTP

❖ **HCG Kits without supplements**
Kit includes syringes alcohol wipes and mixing syringes & needles

- HCG 6 week Kit (2x4000 IU) w/o supplements \$75
- HCG 1500 IU Kit (4 vials) \$60
- HCG 4000 IU Kit (1 vial) \$40
- HCG 8000 IU Kit (2 4000 IU vials) \$75

❖ **MIC Injection** (MIC & B12) 30ml \$75

❖ **IC Injection** (Sulfur Free, IC & B12) 30ml \$75

(HGH) Omnitrope

(HGH) Omnitrope

17.4 Unit Vials \$175 *min. of 8
 \$200 <8

(HGH) Omnitrope

5mg Cartridge w/pen \$225 *min. of 5

Adrenal Fatigue Compounding

| | | |
|-------------------|-----------|--------------|
| Hydrocortisone IR | 2.5mg-5mg | \$55 /#100 |
| Hydrocortisone SR | 10mg-20mg | \$65 /#100 |
| Adrenal Essence | | \$29.50 /#60 |
| Daily Essentials | | \$59.95 /#60 |

Tri-Caine Compounding

| | | |
|----------------------|---------------|---------------|
| BLT 7%/7%/7% | \$115/ 240gm | \$215 / 480gm |
| BLT 20%/6%/4% | \$135 / 240gm | \$225/ 480gm |

Lidocaine 20% \$35 /30gm
 Crm for needle stick numbing (not for large area)



Show Specials
BOOTH
#523

CONTACT US to receive a full list of common BHRT formulations or for more information on Biologically Identical Hormone. Licensed in Every Required State in the USA. Compliant with USP 797 Guidelines for Sterile Compounding


▶ BOOTH #136
AHHA PRESS INC.

11903 Southern Blvd., Ste. 208
Royal Palm Beach, FL 33411
USA

PHONE: 561-784-7852

FAX: 561-784-7851

WEBSITE: www.alsearsmd.com

EMAIL: julie@alsearsmd.com

We create exciting and lucrative side businesses of internet publishing and direct marketing of natural supplements. Helping doctors generate thousands of dollars in passive income every month with no investment of capital.

A Textbook
Nutritional Medicine

by Alan R. Gaby, M.D.


▶ BOOTH #137
ALAN R. GABY, MD

12 Spaulding St.
Concord, NH 03301
USA

PHONE: 603-225-0134

FAX: not available

WEBSITE: www.doctorgaby.com

EMAIL: drgaby@earthlink.net

Nutritional Medicine is a textbook designed to teach healthcare practitioners how to use nutritional therapy as an alternative or adjunct to conventional medicine. Although the book is written for practitioners, it is also useful for educated members of the lay public who would like to be well informed regarding nutritional options for preventing and treating various health concerns.


▶ BOOTH #656
AIDAN PRODUCTS

2223 W. Pecos Rd., Ste. 6
Chandler, AZ 85224
USA

PHONE: 480-756-8900

FAX: 480-756-8906

WEBSITE: www.aidanproducts.com

EMAIL: neal.wright@aidanproducts.com

Aidan Products specializes in innovative nutraceutical supplement development (angiogenesis inhibition, immune enhancement, stem cell stimulation). Stem-Kine, our latest product, has been clinically proven to increase circulating stem cells for an extended period of time.


▶ BOOTH #800
ALLERGY RESEARCH GROUP

2300 North Loop Rd.
Alameda, CA 94502
USA

PHONE: 510-263-2000

FAX: 510-263-2100

WEBSITE: www.allergyresearchgroup.com

EMAIL: info@allergyresearchgroup.com

With Dr. Stephen Levine heading product development, Allergy Research Group® continues to be a leader in the nutritional supplement industry; historically introducing the highest quality, innovative and sensational, unique new products to the U.S. market



▷ BOOTH #945

ALLIED HEALTH ASSOCIATION

5420 S. Quebec St., Ste. 102
Englewood, CO 80111
USA

PHONE: 800-444-7546

FAX: 303-662-9845

WEBSITE: www.alliedhealth.net

EMAIL: contact@alliedhealth.net

National Association for the Salon, Beauty and Medi-Spa industries. We offer wholesale liability insurance, medi-spa equipment, national certifications and more. Stop by booth #945 for more information.



▷ BOOTH #839

AMARC ENTERPRISES (POLY-MVA)

1339 Broadway
San Diego, CA 92021
USA

PHONE: 866-765-9682

FAX: 619-447-6501

WEBSITE: www.polymva.com

EMAIL: info@polymva.com

POLY-MVA is a revolutionary supplement in the remarkable category of Palladium Lipoic Complexes. It is designed to increase energy, reduce fatigue, enhance overall health & wellbeing & provide nutritional support to those receiving chemotherapy or radiation treatments. With over 12 years of clinical & animal use, nothing is showing results like POLY-MVA.



▷ BOOTH #706

ALMA LASERS

485 Half Day Rd. #100
Buffalo Grove, IL 60089
USA

PHONE: 866-414-2562

FAX: 646-805-1312

WEBSITE: www.almalasers.com

EMAIL: contact@almalasers.com

Alma Lasers is the leading manufacturer of laser, light-based and radio frequency devices for aesthetic application. We provide cost-effective and high performance systems enabling medical practitioners to offer safe, effective and profitable aesthetic treatments to patients.



▷ BOOTH #914

AMERICAN BIOSCIENCES INC.

560 Bradley Parkway, Ste. 4
Blauvelt, NY 10913
USA

PHONE: 888-884-7770

FAX: 845-727-0864

WEBSITE: www.americanbiosciences.com

EMAIL: shart@americanbiosciences.com

American BioSciences...more science, better research, better results. **ImmPower™AHCC®** Immune System Support; **AvÉULTRA** Fermented Wheat Germ Extract; **SLEEPSolve24/7™** Sleep Support; **CHOLESTSolve24/7™** Healthy Heart Support; **SUGARSolve24/7™** Blood Sugar Support; **FLEXSolve24/7™** Joint Support; **HP8™** Herbal Prostate Support.



▶ BOOTH #835

AMERICAN BIOTECH LABS

80 W. Canyon Crest Rd.
Alpine, UT 84004
USA

PHONE: 801-756-1000

FAX: 801-756-5454

WEBSITE: www.americanbiotechlabs.com

EMAIL: abl@americanbiotechlabs.com

American Biotech Labs® owns a unique Silver-Sol Technology®. The technology is available in products for supplements, natural healing, EPA approved disinfectants, and a FDA cleared wound gel. Thousands of tests document the products ability to kill bacteria, yeast, and virus.



▶ BOOTH #422

AMERICAN HERBAL LABS

8526 E. Garvey Ave.
Rosemead, CA 91770
USA

PHONE: 626-307-0928

FAX: 626-307-9445

WEBSITE: www.newvita.com

EMAIL: herbal@newvita.com

NewVita Meridian Energy Analysis System and Herbal System can help you become an instant and successful Traditional Chinese Medicine practitioner. Dr. Luke Cua's herbal medicine and acupuncture services can relieve pain in minutes. Private training classes available.



▶ BOOTH #743

AMERICAN EXPRESS OPEN

200 Vessey St.
New York, NY 10285
USA

PHONE: 212-640-2000

FAX: 212-640-9171

WEBSITE: www.open.com

EMAIL: not available

American Express OPEN is dedicated to helping our customers find ways to do more business. That's why we've introducing SearchManager, the new online solution that simplifies search marketing, an increasingly important way to find customers and drive sales.



▶ BOOTH #827

AMERICAN METABOLIC LABORATORIES

1818 Sheridan St., Ste. 102
Hollywood, FL 33020
USA

PHONE: 954-929-4814

FAX: not available

WEBSITE: www.americanmetaboliclaboratories.net

EMAIL: anl_inc@bellsouth.net

Accuracy. Precision. Reliability. Integrity. Home of the Cancer Profile and Longevity Profile specializing in early detection and follow up of degenerative diseases such as cancer, heart disease, hormone imbalances and more. CLIA and COLA certified.

For all your pharmacy and compounding needs...
ONLY ONE name to remember



Central Drugs

Give us a call!



CONSULT with the experts on
BHRT
IV Nutrition

Contact us: support@centraldrugsrx.com

PARTICIPATE

In Our Tele-conferences,
Workshops and more

Join us: events@centraldrugsrx.com

Now Available - **Progest SB**

For patients with bloating, GI disturbances and
weight gain secondary to oral progesterone therapy

Toll Free **877.447.7077**
support@CentralDrugsRX.com

Fax 1-877-447-7977
520 W. La Habra Blvd. • La Habra, Ca 90631
www.CentralDrugsRX.com

Quality Value Integrity Expertise
FREE Consultation

**VISIT
US AT
BOOTH
#315**



▶ BOOTH #120

AMINOCARE PRODUCTS, L.P

9432 Katy Freeway, Ste. 200
Houston, TX 77055
USA

PHONE: 713-335-5675

FAX: 713-935-0649

WEBSITE: www.aminocare.com

EMAIL: ar@burzynskiclinic.com

The Aminocare products contain unique amino acid derivatives discovered by Stanislaw R. Burzynski, M.D., Ph.D., which have the ability (shown in gene micro-array studies) to reactivate genes silenced by the aging process. This enables the products to genetically slow down and reverse some of the signs of aging.



▶ BOOTH #648

ANewRx

523 Parkway View Dr.
Pittsburgh, PA 15205
USA

PHONE: 877-788-8908

FAX: 877-788-8948

WEBSITE: www.anewrx.com

EMAIL: info@anewrx.com

ANewRx is an advanced compounding pharmacy focused on special formulations, combined drugs and tailored dosing. Operating out of our state-of-the-art clean room facility, we employ tightly controlled processes and practices to assure the content, purity, and integrity of all the compounded medications we dispense.



▶ BOOTH #526

ANAZAOHEALTH CORPORATION

6630 W. Arby Ave., Ste. 102
Las Vegas, NV 89118
USA

PHONE: 800-723-7455

FAX: 800-238-8239

WEBSITE: www.anazaohealth.com

EMAIL: mhincher@anazaohealth.com

AnazaoHealth provides high quality compounded patient-specific preparations for all medical disciplines, including: Age Management, Aesthetics, Chelation, Hormone Replacement, Men & Women's Health, Mesotherapy, Supplements & Weight Loss.



▶ BOOTH #334

APIRA SCIENCE

100 Bayview Cir.
Newport Beach, CA 92660
USA

PHONE: 949-854-9900

FAX: 949-854-9922

WEBSITE: www.theigrow.com

EMAIL: info@pirascience.com

The iGrow is the World's First Hand-Free Laser Hair Rejuvenation System that is a convenient, effective and affordable alternative to laser combs or brushes. Includes automated treatment modes and iPod/Mp3 interface.



▶ BOOTH #816

APOTHECURE, INC.

4001 McEwen Rd., Ste. 100
Dallas, TX 75244
USA

PHONE: 800-969-6601 / 972-960-6601

FAX: 972-960-6921

WEBSITE: www.apothecure.com

EMAIL: pharmacist@apothechecure.com

ApothéCure, Inc., one of the largest compounding pharmacies in the nation, services the needs of doctors and their patients worldwide. Our focus is on formulating and compounding products for all medical disciplines, including: Mesotherapy, Hormones, Chelation, Prolotherapy, Adrenal/Thyroid, Brain Drugs, etc. We third-party test all of our injections for pyrogenicity & sterility to ensure the safety of your patients & your practice. Call us for a competitive quote: 800-969-6601.

▶ BOOTH #257

ARDYSS INTERNATIONAL

360 E. 72nd St., Ste. 1A
New York, NY 10021
USA

PHONE: 917-882-0181

FAX: 212-628-8224

WEBSITE: www.ardysslife.com/doctorh

EMAIL: ardyssmedgroup@yahoo.com

Revolutionary medical grade natural fiber compression/reshaping garment mostly organic nutritional and weight management products. Anti aging skin care line and fall "green" household and personal care products. Transforming medical practices and improving health inside out and outside in.



▶ BOOTH #934

APPTec PHARMACHEM

4 Washington Dr.
Cranbury, NJ 08512
USA

PHONE: 800-698-6367

FAX: 609-860-2921

WEBSITE: www.apptecusa.org

EMAIL: csapptecus@gmail.com

We offer healthcare solutions from seed to shelf. Apptec PharmaChem infuses modern scientific knowledge with the wisdom of ancient Ayurvedic medicine to create formulations that equal or exceed the effectiveness of pharmaceutical agents without side effects or serious adverse reactions.

▶ BOOTH #444

ARGENTYN 23 BY NATURAL-IMMUNOGENICS CORP.

3265 W. McNab Rd.
Pompano Beach, FL 33069
USA

PHONE: 888-328-8840

FAX: 954-979-0838

WEBSITE: www.natural-immunogenics.com

EMAIL: matt@natural-immunogenics.com

Argentyn 23® is the #1-selling professional silver brand in the US. Our Bio-Active Silver Hydro-sol™ provides practitioners with the safest, purest and most effective form of silver ever developed, for internal and topical use.



▶ BOOTH #558

ASEA

PO Box 100
Randleman, NC 27317
USA

PHONE: 336-653-6930

FAX: not available

WEBSITE: www.aseawins.com

EMAIL: drrandy09@gmail.com

ASEA® is a 2 year old nutraceuticals company founded by corporate luminary, Verdis Norton, dedicated to products and research in the area of redox signaling.



DIRECTION ♦ INNOVATION ♦ SOLUTIONS FOR HEALTH

▶ BOOTH #220

BELLEVUE PHARMACY SOLUTIONS

1034 S. Brentwood Blvd., Ste. 102
St. Louis, MO 63117
USA

PHONE: 314-727-8787

FAX: 314-727-2830

WEBSITE: www.bellevuerx.com

EMAIL: info@bellevuerx.com

Bellevue Pharmacy has provided compounding expertise for over 50 years. We offer a variety of dosage forms including InnovaTab® sublingual tablets or DuraGel® — stop by our booth for a free sample! Sterile products are compliant with USP 797.



▶ BOOTH #459

AYUSH HERBS

2239 152nd Ave., NE
Redmond, WA 98052
USA

PHONE: 425-637-1400

FAX: 425-451-2670

WEBSITE: www.ayush.com

EMAIL: shailinder@ayush.com

Ayush Herbs' use of patented extraction method guarantees the highest quality of Ayurvedic herbal products, including vitamins, minerals and enzymes. Our Ayurvedic formulations are based on traditional combinations developed through twenty five years of clinical practice.



▶ BOOTH #927

BIOAGE

4600 Witmer Industrial Est., Ste. 6
Niagara Falls, NY 14305
USA

PHONE: 303-683-8113

FAX: 720-554-7687

WEBSITE: www.bioage.com

EMAIL: info@bioage.com

BIOAGE

Advanced Nutritionals
4600 WITMER INDUSTRIAL EST. #6
NIAGARA FALLS NY 14305
Web site: www.bioage.com
Email: info@bioage.com

The Next Generation of Anti-Aging Treatments

2nd CELLULAR GENERATION

Revercell

CELLULAR METABOLIC REGULATOR THERAPY



- 1 Regulates the Metabolism
- 2 Reinforces Mitochondrial functions
- 3 Revitalizes the Cellular Nucleus



2nd CELLULAR GENERATION

Human Citoplacell

ANTI-AGING CELLULAR COMPLEMENT



- 1 Stimulates Cellular Nutrition
- 2 Increments Energy & Good Health
- 3 Complements the action of Human Ultracell 2G



“Live longer with better health”



Biopharma
International

Anti-Aging Medical Company
Exclusive Worldwide Distributors
www.biopharmainternational.com
1-800-993-1252

 **Kurabiol**
Laboratories

USA Manufacturer Under Exclusive
License of Biocell Ultravital, Switzerland
www.kurabiolabs.com
1-954-938-8828

Biocell
ULTRAVITAL

Cellular Renovation Therapies
www.biocellultravital.ch
www.biocellultravital.com



► **BOOTH #134**

BIOENERGY LIFE SCIENCE, INC.

13840 Johnson St. NE
Minneapolis, MN 55304
USA

PHONE: 763-757-0032

FAX: 763-757-0588

WEBSITE: www.corvalenrx.com

EMAIL: info@bioenergy.com

Bioenergy Life Science's mission is to improve lives by restoring the body's core energy supply. Its product offerings (Corvalen®) focus on indications that affect millions, including heart failure, neuromuscular disease, fatigue, anti-aging, sports nutrition, and energy health.



► **BOOTH #345**

BIOPHARMA SCIENTIFIC

9010 Kenamar Dr., Ste. 101
San Diego, CA 92121
USA

PHONE: 877-772-4362

FAX: 858-622-1846

WEBSITE: www.biopharmasci.com

EMAIL: info@biopharmasci.com

BioPharma Scientific® formulates three great tasting, natural, functional food powders, NanoGreens10™, NanoProPRP™ and NanOmega3™, rich in high antioxidant phytonutrients and nutraceuticals. These "superfood" products can be combined or taken separately for use as dietary supplements.



► **BOOTH #845**

BIOMAT WELLNESS CENTER

1802 N. Carson St., Ste 108
Carson City, NV 89701
USA

PHONE: 775-315-7250

FAX: not available

WEBSITE: www.biomatwellnesscenter.com

EMAIL: wendy@biomatwellnesscenter.com

Experience the healing power of the BioMat, an FDA-cleared therapeutic pad that uses far infrared light, negative ions and amethyst crystal technology to quickly speed cellular renewal, relieve pain, reduce stress and restore wellness

Biophysical®

For your health. For a lifetime.

► **BOOTH #356**

BIOPHYSICAL CORPORATION

10801-2 North Mopac Expressway, Ste. 140
Austin, TX 78759
USA

PHONE: 512-623-4900

FAX: 512-623-4950

WEBSITE: www.biophysicalcorp.com

EMAIL: kflanagan@biophysicalcorp.com

Biophysical offers the most comprehensive panels of blood biomarker tests available anywhere, providing a thorough evaluation of your patients' metabolic and nutritional status as well as the hormonal and immune system functions that impact healthy aging.

BIOSPACE



▷ BOOTH #929

BIOSPACE, INC.

8820 Wilshire Blvd., Ste. 310
Beverly Hills, CA 90211
USA

PHONE: 310-358-0360

FAX: 310-358-0370

WEBSITE: www.biospaceamerica.com

EMAIL: dj@biospaceamerica.com

BIOSPACE has revolutionized Body Composition Analysis using patented Direct Segmental Multi-frequency-BIA technology. The InBody provides a report that reveals Body Fat, Muscle Mass, BMR, Body water, and more. Check out yours at our booth.

▷ BOOTH #159

BODY SOLUTIONS SYSTEMS

132 Chesterfield Commons E. Rd.
Chesterfield, MO 63005
USA

PHONE: 636-532-0700

FAX: 636-532-0705

WEBSITE: www.bodysolutionsystems.com

EMAIL: tammy.moore@bodysolutionsystems.com

Body Solution Systems, LLC, created by Dr. Imboden specializes in halting metabolic dysfunctions. By using our proprietary soy protein based meal replacement called **Natural PXR**, we target treat visceral fat, and can control and often reverse illnesses such as Type II diabetes, hypertension, and hyperlipidemia in addition to facilitating rapid weight loss.



▷ BOOTH #944

BIOTIVIA

1 River Pl., Ste 1001
New York, NY 10036
USA

PHONE: 866-658-7800

FAX: 888-5411283

WEBSITE: www.biotivia.com

EMAIL: philip@biotivia.com

Biotivia is the world leader in the sale of natural herbal Anti-Aging Supplements and beauty products which are centered around Resveratrol and backed by science.

▷ BOOTH #210

BODYLOGICMD, INC.

5000 T-Rex Ave., Ste. 200
Boca Raton, FL 33431
USA

PHONE: 561-935-9478

FAX: 561-922-6686

WEBSITE: www.bodylogicmd.com

EMAIL: mastern@bodylogicmd.com

Your Practice. Our Solution. The Future. Body LogicMD is the nation's largest franchise of highly trained physician-owned practices specializing in bioidentical hormones integrated with fitness and nutrition. Find out about our Risk Free Guarantee. Call 888-625-8705 or visit www.bodylogicmd.com



► **BOOTH #1015**

BTL INDUSTRIES, INC.

312 Long Pointe Ln.
Columbia, SC 29229
USA

PHONE: 866-285-1656

FAX: 732-381-6911

WEBSITE: www.btlusa.com

EMAIL: nj01@btlnet.com

BTL is one of the world's five largest manufacturers of physical therapy and aesthetics products is now introducing EXILIS! A non-invasive form of treatment for the reduction of wrinkles and for the reshaping of targeted fat deposits.



► **BOOTH #226**

CANFIELD IMAGING SYSTEMS

253 Passaic Ave.
Fairfield, NJ 07004
USA

PHONE: 973-276-0336

FAX: 973-276-0339

WEBSITE: www.canfieldsci.com

EMAIL: info@canfieldsci.com

Canfield is the leading developer of photographic systems for the medical and skin care industries. Product lines include Mirror® imaging software, VISIA® Complexion Analysis, VECTRA® 3D Systems, Reveal® facial imagers and customized photographic studio solutions.



► **BOOTH #735**

CALMOSEPTINE, INC.

16602 Burke Ln.
Huntington Beach, CA 92647
USA

PHONE: 714-840-3405

FAX: 714-840-9810

WEBSITE: www.calmoseptine.com

EMAIL: shows@calmoseptineointment.com

Calmoseptine Ointment is a multi-purpose moisture barrier that protects and helps heal skin irritations. Calmoseptine temporarily relieves discomfort and itching. Free samples at our booth!



► **BOOTH #852**

CARDIO CRUSADERS

11722 Light Fall Ct.
Columbia, MD 21044
USA

PHONE: 855-US-Cardio

FAX: not available

WEBSITE: www.cardiocrusaders.com

EMAIL: info@cardiocrusaders.com

Cardio Crusaders "For the Young at Heart" is a comprehensive program to detect and manage cardiovascular disease. It is the first of its kind preventive cardiovascular business for the health-care professional.



Est. 1992
Representing 22,000 physicians
and scientists from
105 countries worldwide



THE FELLOWSHIP in

Integrative Cancer Therapy

Module V: March 10-11, 2011 • Module VI: March 12-13, 2011
Boca Raton, FL

FELLOWSHIP OBJECTIVES:

- Biology of Cancer
- Cancer Diagnostics, Pathology, and Laboratory Medicine
- Radiation Therapy/Chemotherapy
- Stem Cell Transplants
- Cancer and Herbal Supplementation
- Off-Label Pharmaceuticals
- Cancer Vaccines
- Integrative Cancer Practice
- And Much, Much More! . . .

Mark Rosenberg,
M.D.



“I have treated patients who were diagnosed as imminently terminal, and converted their acutely progressive disease into a non-progressive chronic disease.”

CALL FOR MORE INFORMATION:

www.worldhealth.net • 1-888-997-0112



► **BOOTH #649**

CARDIO INFRARED TECHNOLOGIES, INC.

99 Fountainhead Cir.
Henderson, NV 89052
USA

PHONE: 801-558-9646

FAX: not available

WEBSITE: www.cardio-cor.com

EMAIL: wbvalley@aol.com

Cardio Infrared Technologies, Inc. is a Health and Wellness technology company that is manufacturing equipment that couples infrared technology and exercise.



► **BOOTH #235**

CENTER FOR HEARTS (FOREVERGREEN)

57 Coachwood Point
Lethbridge, AB T1K 6B1
Canada

PHONE: 877.554.2956

FAX: not available

WEBSITE: www.CenterForHearts.com

EMAIL: info@centerforhearts.com

Experience BPro® Radial Pulse Wave Acquisition Device. A revolutionary technology providing medical practitioners and researchers with unprecedented capabilities in acquiring highly reproducible & accurate real time arterial pulse wave data. Patented and FDA approved. Center for Hearts combines BPro's non-invasive medical technology with Noble Prize influenced l-arginine nutraceutical Pulse-8 for identifying, stopping and reversing cardiovascular disease.



► **BOOTH #940**

CELL SCIENCE SYSTEMS / ALCAT

852 S. Military Trail
Deerfield Beach, FL 33442
USA

PHONE: 800-872-5228

FAX: 954-428-8676

WEBSITE: www.ALCAT.com

EMAIL: info@alcat.com

Cell Science Systems (CSS), located in Deerfield Beach, Florida, is a life sciences company and the worldwide market leader in food sensitivity testing as the manufacturer of the ALCAT Test. ALCAT identifies cellular reactions to over 350 foods, chemicals and herbs. These inflammatory reactions are linked to chronic health problems like obesity and diabetes, as well as skin, heart, joint, and digestive disorders.



► **BOOTH #851**

CENTERS FOR HEALTH PROMOTION, INC.

2825 N. University Dr., Ste. 410
Coral Springs, FL 33065
USA

PHONE: 954-227-1540

FAX: not available

WEBSITE: www.lipodr.com

EMAIL: dcr@lipodr.com

Centers for Health Promotion, Inc. offers physicians the opportunity to incorporate into their practice the only "Suture Suspension Lift System" in the United States. Lifting the face, neck, breast and buttock with local infiltration only. Lasting years.



▶ BOOTH #315

CENTRAL DRUGS

520 W. La Habra Blvd.
La Habra, CA 90631
USA

PHONE: 562-691-6754

FAX: 562-694-3869

WEBSITE: www.centraldrugsrx.com

EMAIL: answers@centraldrugsrx.com

Central Drugs Compounding Pharmacy, a PCAB Accredited compounding pharmacy is unique because we provide solutions to medical providers & patients therapeutic needs. We support therapies such as, oral, topical cream & gels, vaginal applications & pellets. We have expertise with sterile Injectable formulations, aesthetic formulations, dermatological applications, lyophilized formulations & sustained release preparations are a few examples of our compounding specialties. Please stop by our booth to discuss what we can do for your practice



Clear Mind Center
When your brain works, your body responds.

▶ BOOTH #322

CLEAR MIND CENTER

804 Marinella Aisle
Irvine, CA 92606
USA

PHONE: 949-222-1020

FAX: 949-726-0700

WEBSITE: www.clearmindcenter.com

EMAIL: denise@clearmindcenter.com

Clear Mind Center's NeuroIntegration System is a breakthrough in non-drug treatment of emotional, learning, and stress-related problems. The Neuro-Integration System creates rapid improvement in brain and body function through photic driven Neurofeedback, and state of the art EEG Brain-Mapping. Our innovative technology will ascend your practice to the leading edge of neurological enhancement. www.clearmindcenter.com



▶ BOOTH #1007

CLARITY RX CLINICAL SKIN CARE

3537 Old Conejo Rd., Ste. 107
Newbury Park, CA 91320
USA

PHONE: 888-980-7770

FAX: 888-980-7770

WEBSITE: www.clarityclinicalskincare.com

EMAIL: karla@clarityclinicalskincare.com

ClarityRx™ is a line of science-based cosmeceuticals that are formulated to be **free of unnecessary and harmful chemical additives**. Only the **purest quality ingredients** are utilized creating the most concentrated, safest, most efficacious products to achieve healthy skin.



▶ BOOTH #248

CNS VITAL SIGNS

598 Airport Blvd., Ste. 1400
Morrisville, NC 27560
USA

PHONE: 888-750-6941

FAX: 888-650-6795

WEBSITE: www.cnsvs.com

EMAIL: support@cnsvs.com

The CNS Vistal Signs suite of services allows any clinician sponsor or investigator an easy to use, objective, efficient, computerized neurocognitive testing toolset.



▶ **BOOTH #638**

COLLEGE PHARMACY

3505 Austin Bluffs Pkwy., Ste. 101
Colorado Springs, CO 80918
USA

PHONE: 719-262-0022

FAX: 719-262-0035

WEBSITE: www.collegepharmacy.com

EMAIL: info@collegepharmacy.com

Experience The College Pharmacy Difference: Professional Custom Compounding Quality, Innovation, and Expertise Since 1974. Consistently providing high quality compounded formulations and services for over 35 years. BHRT, Chelation, Mesotherapy, Dermatology/Mature Skin, Specialty Injectables, IV Protocols.



▶ **BOOTH #1028**

COMPLIMED, ALLVIA, OAKMONT LABS

304 Shelburne Center Rd.
Shelburne Falls, MA 01370
USA

PHONE: 800-272-1754

FAX: 800-272-0948

WEBSITE: complimed.com

EMAIL: orders@complimed.com

CompliMed - Providing unique nutritional supplements targeting Gut Health; also combination homeopathic formulas. AllVia – Topical solutions for Women's Wellness, Skin Care, Joint Care and Optimal Health. Oakmont Labs – providing practitioner exclusive Essential Fatty Acids.



▶ **BOOTH #229**

COLONIC.NET

10911 West Ave.
San Antonio, TX 78213
USA

PHONE: 210-308-8888

FAX: 210-349-5679

WEBSITE: www.colonic.net

EMAIL: jeri@colonic.net

Colon Hydrotherapy Medical Device FDA Registered (class II) called: "The LIBBE" used by Medical Professionals worldwide. Safe! Reliable! Easy to operate! Inexpensive disposables! Well constructed. Made in the USA. See website for testimonials.



▶ **BOOTH #519**

COMPOUNDMD

2125 State St., Ste. 17
New Albany, IN 47150
USA

PHONE: 502-298-9085

FAX: 812-944-6900

WEBSITE: www.compoundmd.com

EMAIL: info@compoundmd.com

CompoundMD allows physicians to capture the pharmacy revenue stream in a no-hassle, turn-key fashion. Physicians gain greater control of their patient's therapy, increase branding of their practice, enhance cash flow, and increase patient loyalty and contact - without adding liability.



ANEWRx is an advanced compounding pharmacy focused on the special needs of physicians and patients to tailor multiple-drug combinations, special formulations, and alternative dosage forms to the unique health care requirements of the individual.

Our state-of-the-art clean room facility and tightly controlled processes and practices assure the content, purity, and integrity of the compounded medication preparations that we dispense. Our re-formulating capability includes such skills as the compounding of sublingual dosage forms of select medications typically administered either by injection or enteric routes. ANEWrx staff are trained, skilled, and experienced in the compounding of both non-sterile and sterile medication preparations.

Please Contact Us About Your Needs For Our Specialized Services in the Areas of:

Age Management

- Bioidentical hormone replacement
- Andropause therapy
- Testosterone
- Sermorelin
- hCG for injection lyophilized
- hCG for sublingual lyophilized
- Anti-wrinkle creams and ointments
- GHRP-6

Other Specialties

- Sexual dysfunction treatment including:
 - Libido gels
 - Tri-mix injections
- Weight reduction preparations
- Pain management

ANEWRx quality management practices assure physicians and patients of the consistent purity and potency of every dose in every prescription. Our pharmacists and technicians use only ingredients of known pedigree and the highest quality in their compounding processes which conform to the standards promulgated by the IACP, ASHP and USP.

For special pricing and more information, visit us at Booth #648.

Call Today! 877-788-8908

www.ANEWrx.com


▶ BOOTH #427
CRYOPROBE US

PO Box 480895
Kansas City, MO 64148
USA

PHONE: 816-348-8900

FAX: 888-847-1735

WEBSITE: www.cryoprobe-us.com

EMAIL: CryoProbe@kc.rr.com

CryoProbe. Precision Cryosurgery. The most important technological advance in Cryotherapy in decades. Accuracy + Ultra Cold + Pressure make the portable CryoProbe a unique new tool that no practice should be without. CryoProbe-US. Call (816) 348-8900 or visit www.cryoprobe-us.com


▶ BOOTH #549
DAIWA HEALTH DEVELOPMENT, INC.

1411 W. 190th St., Ste. 375
Gardena, CA 90248
USA

PHONE: 877-434-3633

FAX: 877-434-3644

WEBSITE: www.dhdmed.com

EMAIL: info@dhdmed.com

Daiwa Health Development Inc. proudly presents BRM4, a unique immune modulator, derived from rice bran, and Plasmanex1, and effective coagulation modulator™, a natural enzyme extracted by a patented fermentation production process to support healthy blood circulation.


▶ BOOTH #239
CYNOSURE, INC.

5 Carlisle Rd.
Westford, MA 01886
USA

PHONE: 978-256-4200

FAX: 978-256-6556

WEBSITE: www.cynosure.com

EMAIL: info@cynosure.com

Cynosure, Inc. develops and markets aesthetic treatment systems that are used by physicians and other practitioners to perform non-invasive and minimally invasive procedures to remove hair, treat vascular and pigmented lesions, rejuvenate the skin, liquefy and remove unwanted fat through laser lipolysis and temporarily reduce the appearance of cellulite.


▶ BOOTH #529
DAVINCI LABORATORIES

20 New England Dr.
Essex Junction, VT 05452
USA

PHONE: 800-325-1776

FAX: 802-878-0549

WEBSITE: www.davincilabs.com

EMAIL: info@davincilabs.com

For over 35 years, DaVinci Laboratories has been a leader in nutritional research and product development selling exclusively to Healthcare Practitioners & Compounding Pharmacies.



▷ BOOTH #348

DEKA MEDICAL

665 Third St., Ste. 20
San Francisco, CA 94107
USA

PHONE: 877-844-5552

FAX: 415-358-8800

WEBSITE: www.dekamedinc.com

EMAIL: info@dekamedinc.com

DEKA Medical, Inc., a division of the El.En. Group, a world leader and pioneer in the laser market and industry, brings a selected range of medical and aesthetic devices, including the highly acclaimed SmartXide DOT to the North American market.



▷ BOOTH #1010

DESIGNS FOR HEALTH

980 South St.
Suffield, CT 06078
USA

PHONE: 800-847-8302

FAX: 206-339-5233

WEBSITE: www.designsforhealth.com

EMAIL: info@designsforhealth.com

Our Mission at Designs for Health, we are committed to delivering high quality nutritional supplements, educating health care practitioners as to their optimal therapeutic use, and providing an accurate and objective method by which to measure their effectiveness.



▷ BOOTH #144

DELGADO PROTOCOL

4121 Westerly Pl., Ste. 114
Newport Beach, CA 92660
USA

PHONE: 866-319-0566

FAX: not available

WEBSITE: www.delgadoprotocol.com

EMAIL: agedoc2004@yahoo.com

30-yrs in formulating top quality nutraceuticals, personalized nutrition plans & health rejuvenation programs as well as providing the latest scientific research, treatments, protocols & information to improve the quality of life for men & women in the areas health, wellness, anti-aging, longevity, weight loss, joint health, prostate & breast health, intimate enhancement, athletic energy & peak performance training.



▷ BOOTH #548

DIAGNOS-TECHS, INC.

19110 66th Ave., S. Bldg. G
Kent, WA 98032
USA

PHONE: 800-878-3787

FAX: 425-656-2871

WEBSITE: www.diagnostechs.com

EMAIL: diagnos@diagnostechs.com

Diagnos-Techs in Kent, Washington, is considered the leading salivary-based testing and research laboratory in the United States. Diagnos-Techs is committed to assisting healthcare professionals in restoring patients' health and promoting overall wellness by offering powerful tools to evaluate stress, hormone related diseases and other health conditions.



► **BOOTH #Hallway**

DIGITELL, INC.

111 West 2nd St., 3rd Floor
Jamestown, NY 14701
USA

PHONE: 800-679-3646

FAX: 716-664-2047

WEBSITE: www.digitellinc.com

EMAIL: sparker@digitellinc.com

Digitell provides Content Capture, Webcasting, Webinar and 3D Virtual Services for Medical Associations and Corporations looking to distribute their education or their message to a national or international audience in a very cost effective manner.



► **BOOTH #829**

EDGE SYSTEMS CORPORATION

2277 Redondo Ave.
Signal Hill, CA 90755
USA

PHONE: 800-603-4996

FAX: 562-597-0148

WEBSITE: www.skinhealthforlife.com

EMAIL: contact@edgesystemscorp.com

Edge Systems' premier device is the HydraFacial MD® skin solution based hydradermabrasion system, ranked one level above IPL. The HydraFacial™ uses patented HydroPeel® tips to resurface the skin while introducing skin-enhancing solutions.



► **BOOTH #826**

DOUGLAS LABORATORIES

600 Boyce Rd.
Pittsburgh, PA 15205
USA

PHONE: 800-245-4440

FAX: 888-245-4440

WEBSITE: www.douglaslabs.com

EMAIL: nutrition@douglaslabs.com

Trust Douglas laboratories for best-in-class, science-based dietary supplements manufactured exclusively for healthcare professionals. We are proud to offer you the largest and most innovative selection of premium-quality products and formulations to help promote the wellness of your patients.



► **BOOTH #722**

ELSEVIER, INC.

900 Twinspur Ct.
Henderson, NV 89002
USA

PHONE: 702-205-8740

FAX: not available

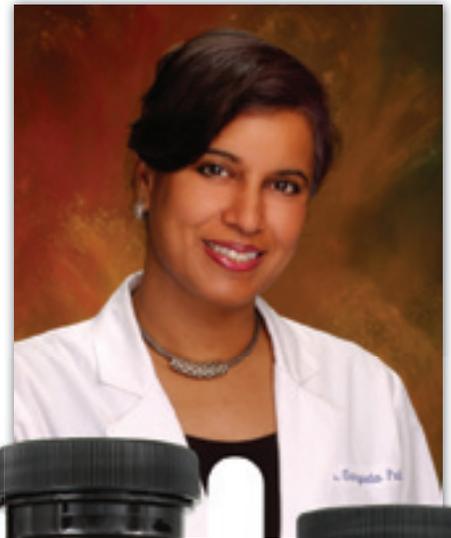
WEBSITE: www.elsevier.com

EMAIL: g.hay@elsevier.com

World's leading publisher in medical books and journals.

“The line I choose for maximum hormonal activation...”

Sangeeta Pati, MD, FACOG



Why are doctors switching to MD Prescriptives?

MD Prescriptives was formed to support clinicians in need of a focused therapeutic supplement line which is also easy to integrate into the practice. We help practitioners overcome the stumbling blocks that many face while introducing supplements into your practice.



- **Dedicated Clinical Support:** An active practitioner is assigned to every account to answer questions and help with difficult cases.
- **Staff Training:** We will train your staff on-site to seamlessly incorporate supplements into your practice.
- **Real Practitioner Exclusivity:** Most “clinician only” brands are widely available on the internet to purchase by anyone. We are adamant about protecting your exclusivity so you can see incremental growth on a monthly basis.
- **No inventory requirement. Auto-Shipping to Patients Available.** We can ship directly to your patients and send you a monthly Advantage™ Check.
- **Full Marketing Support:** Everything you need for seamless integration into your practice.

Visit us at booths **823** and **825**,
online at **www.mdprescriptives.com**
or by phone **877-963-7737**

MD Prescriptives supplements are Pharmaceutical Grade, Non-GMO, and produced at a FDA registered cGMP manufacturing facility with an independent third-party purity analysis. No fillers, artificial colors or fragrance used. Free from wheat yeast, gluten, corn, sugar, starch, preservatives or hydrogenated oils.

MD
Prescriptives



▷ BOOTH #844

EMEDICAL FUSION, LLC

8229 Boone Blvd., Ste. 280
Alexandria, VA 22312
USA

PHONE: 703-260-1306

FAX: 703-621-7157

WEBSITE: www.emedicalfusion.com

EMAIL: info@emedicalfusion.com

eMedicalFusion provides Practice Management + Software for the “new” Physician Enterprise (cash/hybrid practices). It includes an easy to use ePatient Portal, online real-time scheduling, secure online intake, shopping cart, secure bidirectional communications, EMR integration and a patient management dashboard, all of which drives significant efficiencies and higher patient satisfaction.



▷ BOOTH #523

ESSENTIAL PHARMACY COMPOUNDING

620 N. 114 St.
Omaha, NE 68154
USA

PHONE: 888-733-0300

FAX: 402-408-0020

WEBSITE: www.epcpharmacy.com

EMAIL: jkohl@kohlls.com

EPC is a 65 year old family owned business. We started compounding medications for patients individual needs right after World War II. EPC is licensed in all required states and one of the few JCHAO and PCAB certified compounding pharmacies in the U.S.A.



▷ BOOTH #428

ENAGIC USA - KANGEN WATER

28605 118th Ave. SE
Auburn, WA 98092
USA

PHONE: 206-406-8720

FAX: 253-631-3731

WEBSITE: www.uneedgoodwater.com

EMAIL: jcwaterforlife@gmail.com

Produced by a certified medical device, used in Japanese hospitals, now available for home use. The drinking water is highly alkaline to balance body pH, able to neutralize free radicals & micro-clustered to enhance cellular hydration. Topical waters moisturize & reduce skin disorders and Antiseptic waters kill germs & bacteria.



▷ BOOTH #138

ETERNITY MEDICINE INSTITUTE

8930 W. Sunset Rd., Ste. 100
Las Vegas, NV 89148
USA

PHONE: 702-248-4364

FAX: 877-225-1720

WEBSITE: www.eternitymedicine.com

EMAIL: randi@eternitymedicine.com

Eternity Medicine Institute (EMI) delivers the world's most comprehensive evidence based medical screening and proactive treatment programs—and we are unique. We not only provides clients with extremely detailed health “report cards”—we also monitor and care for patients to improve their “grades.” EMI Institutes can be found in Las Vegas, Reno, La Jolla, Manhattan and Dubai (with London, Tampa, Dallas, Chicago and Rome currently in development).



▷ BOOTH #652

FISHER WALLACE LABS

515 Madison Ave., Ste 5W
New York, NY 10022
USA

PHONE: 212-688-8100

FAX: 800-657-7362

WEBSITE: www.fisherwallace.com

EMAIL: info@fisherwallace.com

Founded by Charles Avery Fisher, the son of stereo pioneer Avery Fisher, Fisher Wallace Laboratories manufactures the Fisher Wallace Cranial Stimulator, a cranial electrotherapy stimulation (CES) device sanctioned by the FDA for the treatment of depression, anxiety and insomnia. The company's devices are manufactured in the United States.



▷ BOOTH #928

FRANCK'S COMPOUNDING LAB

1210 SW 33rd Ave.
Ocala, FL 34474
USA

PHONE: 800-622-4510

FAX: 877-401-5653

WEBSITE: www.francks.com

EMAIL: kbecker@francks.com

Franck's Lab has been the nation's premier compounder since 1983. Our unsurpassed commitment to quality improves patient compliance and maximizes therapeutic success with the exact drug and dosage forms. Licensed nationwide and same day shipping.



▷ BOOTH #236

FJV NUTRITIONALS

1991 Marcus Ave.
Lake Success, NY 10042
USA

PHONE: 877-747-8427

FAX: not available

WEBSITE: www.antiglycationformula.com

EMAIL: dcadjigas@vagnini.com

AGE Essential Defense
from FJV Nutritionals
1991 Marcus Avenue
New Hyde Park, NY 11042
Phone: 1-877-747-8427
Website: antiglycationformula.com



▷ BOOTH #325

FREQUENCY SPECIFIC SEMINARS

3915 NE 38th St.
Vancouver, WA 98661
USA

PHONE: 360-695-7500

FAX: 360-695-1599

WEBSITE: www.frequency-specific.com

EMAIL: info@frequency-specific.com

Frequency Specific Seminars teaches an exciting new way of treating nerve and muscle pain and many other conditions using specific frequencies and micro amperage current.

FUTURE FORMULATIONS

▶ BOOTH #539

FUTURE FORMULATIONS

PO Box 26021
Tucson, AZ 85726
USA

PHONE: 800-357-5027

FAX: 520-514-1917

WEBSITE: www.adrenalfatigue.org

EMAIL: marie@futureformulations.com

Future Formulations sells original and unique dietary supplements formulated by Dr. James Wilson for specific areas of health including stress, adrenal fatigue, blood sugar balance, digestive health and immune function. Physician tested for clinical effectiveness.



▶ BOOTH #544

GENERAL PHYSIOTHERAPY INC.

13222 Lakefront Dr.
St. Louis, MO 63045
USA

PHONE: 314-291-1442

FAX: 314-291-1485

WEBSITE: www.g5.com

EMAIL: jyoung@g5.com

For over 35 years, General Physiotherapy has set the standards for the medical, physical therapy, sports, salon & spa, and medical aesthetics use of subdermal massage & percussion modalities.

Asyra

▶ BOOTH #538

G-TECH

3736 Panarama Dr.
Saratoga Springs, UT 84045
USA

PHONE: 801-766-3929

FAX: 801-766-3929

WEBSITE: www.asyra.com

EMAIL: wecare@asyra.com

The Asyra, by G-Tech, allows you to rapidly test allergy, autism, and digestive panels in minutes. You can also evaluate toxins, stealth pathogens, hormones and more. Recent study shows 97% correlation to conventional blood-work.



▶ BOOTH #714

GENOVA DIAGNOSTICS

63 Zillicoa St.
Asheville, NC 28801
USA

PHONE: 800-552-4762

FAX: 828-252-9303

WEBSITE: www.gdx.net

EMAIL: info@gdx.net

Headquartered in Asheville, N.C., Genova Diagnostics is a global leader in functional laboratory testing, pioneering innovative approaches to personalized medicine. The internationally renowned lab offers comprehensive panels that facilitate a personalized approach to optimal health.

SEGUNDO CONGRESO MUNDIAL EN MEDICINA ANTI-ENVEJECIMIENTO Y REGENERATIVA



4, 5 Y 6 DE FEBRERO 2011

UNIDAD DE CONGRESOS DEL CENTRO MEDICO NACIONAL SIGLO XXI



CIUDAD DE MEXICO

A4M es la sociedad líder a nivel mundial en medicina anti envejecimiento y regenerativa. Un área basada en la detección temprana, la prevención, el tratamiento, la regeneración de desordenes y enfermedades relacionadas con la edad avanzada.

ALGUNOS TOPICOS A TRATAR :

TERAPIAS AVANZADAS DE REEMPLAZO HORMONAL Y APLICACIÓN CLÍNICA DE ENDOCRINOLOGÍA INTERVENCIONISTA, HORMONAS BIOIDENTICAS

TERAPIAS DE CÉLULAS MADRE

RESTAURACIÓN EN PERSONAS MAYORES DE ARTICULACIONES, COLUMNA, SISTEMA INMUNE, Y NEUROLÓGICO.

MEDICINA Y EVALUACIONES GENÓMICAS, MEDICINA ORTOMOLECULAR, ANTIOXIDANTES

NUEVOS PROTOCOLOS ANTI OBESIDAD Y CONTROL DE PESO

MÉTODOS DE DEXTOSIFICACIÓN DE TOXINAS AMBIENTALES

MEDICIONES Y MARCADORES DE LABORATORIO RELACIONADAS AL CÁNCER

TERAPIAS DE OXIGENO. EJERCICIO PARA MEJORAR LA FUNCIÓN METABÓLICA MITOCONDRIAL

AVANCES EN TOXINA BOTULÍNICA, PLASMA RICO EN PLAQUETAS EN ESTÉTICA

REVITALIZACIÓN Y MANEJO EN DESORDENES DEL SUEÑO

TERAPIAS CON ONDAS DE LUZ

ESCULTURA FACIAL AVANZADA



info@a4m-mexico.com
www.a4m-mexico.com
Distrito Federal (55) 56 80 65 68
Monterrey (81) 84 21 22 65

Call center 01800 900 4141
www.worldhealth.net
Puebla (222) 2 43 87 19
Guadalajara (33) 84 21 22 66



► **BOOTH #439**

GERMAN SOCIETY FOR THYMUS THERAPY

Harvestehuder Weg 65
Hamburg, 20149
Germany

PHONE: +49-1805-849687

FAX: +49-1805-849687

WEBSITE: www.thymus-therapie.org

EMAIL: info@thymus-therapie.org

Thymus Therapy is a natural healing process that has been used for disease of the elderly, autoimmune disorders, stimulation and restoration of the immune system and other indications. Can Thymus Therapy help? Ask us!



► **BOOTH #258**

GUNA INC.

3724 Crescent Ct. West
Whitehall, PA 18052
USA

PHONE: 484-223-3500

FAX: 484-223-3505

WEBSITE: www.gunainc.com

EMAIL: info@gunainc.com

GUNA Inc. specializes in the field of integrative medicine and biotherapeutics. The GUNA Method focuses on balancing all systems within the body and treating the source of illness, not just the symptoms. Our bodies have the inherent capacity to heal themselves. GUNA medicines simply facilitate that process.



► **BOOTH #252**

GLOBAL SOURCE PRODUCTS

2027 Alga Rd.
Carlsbad, CA 92009
USA

PHONE: 888-466-1566

FAX: not available

WEBSITE: www.proiondetox.com

EMAIL: lori@proiondetox.com

Introducing the latest generation of ion detoxification. Our unit utilizes clinical-grade technology, offers five different treatment modes, & programmable session time up to 60 min. The Ion Detox Foot Spa offers 3 therapies in one unit – foot bath detox, electronic muscle stimulation & far infrared therapy.



► **BOOTH #456**

GW HEALTH

4001 Prado del Trigo
Calabasas, CA 91302
USA

PHONE: 818-591-9355

FAX: 818-591-9655

WEBSITE: www.radiantgreens.com

EMAIL: mandy@energyessentials.com

We offer all natural, whole food health supplements and superfoods. Stop by for free samples!



▷ BOOTH #724

HAELAN RESEARCH FOUNDATION

18568 142nd Ave. NE, Bldg. F #6
Woodinville, WA 98072
USA

PHONE: 425-269-7798

FAX: 425-482-0522

WEBSITE: www.haelanresearch.org

EMAIL: soygemsman@aol.com

Haelan Research Foundation is a Public Foundation involved with the treatment and prevention of cancers with fermented soy. They induce anti-angiogenesis, apoptosis, increase non-specific immunity 700%, and have an NCI "Best Case Series".



▷ BOOTH #958

HAIRCHECK

12188 SW 128th St.
Miami, FL 33186
USA

PHONE: 305-253-9200

FAX: 305-253-6696

WEBSITE: www.haircheck.com

EMAIL: events@diviusa.com

A revolutionary new technology that measures hair loss, hair growth and response to treatment.

If you treat hair loss... you need HairCheck.



▷ BOOTH #907

HAIR LOSS CONTROL CLINIC

4 Avis Dr.
Latham, NY 12110
USA

PHONE: 518-220-1500

FAX: 518-785-3540

WEBSITE: www.hlcconline.com

EMAIL: service@hlcconline.com

HLCC™ is offering an unmatched turn-key opportunity to join our 100 Affiliated Clinics worldwide. As a recognized world leader & pioneer in hair loss treatment, we specialize in physician-directed laser hair therapy & customized treatment programs. Along w/ our multi-therapeutic programs, we offer, Clinic Lasers, Hand-Held Laser Combs/Brushes, & HLCC™ Scripts, our premier line of hair loss product designed by our Physicians. HLCC™ has been helping clients stop hair loss & re-grow hair for over 22 years.



▷ BOOTH #335

HALLANDALE PHARMACY

1109 E. Hallandale Beach Blvd.
Hallandale, FL 33009
USA

PHONE: 954-455-3822

FAX: 954-381-8164

WEBSITE: www.hallandalerx.com

EMAIL: not available

Meeting the demands of today's medicine, we provide HRT formulations with quality and precision at affordable prices. As dedicated pharmacists and owners, we pride ourselves in our comprehensive pharmaceutical services to fulfill the unique needs of physicians and their patients.



► **BOOTH #452**

HARBOR COMPOUNDING PHARMACY

2000 Harbor Blvd., Ste. 200
Costa Mesa, CA 92627
USA

PHONE: 800-564-1565

FAX: 949-642-5039

WEBSITE: www.harborcompounding.com

EMAIL: not available

Customized compounded medications are pivotal in providing the tailored treatment that makes all the difference for a variety of patients and conditions.

Harbor Compounding leads the way with custom solutions for all your pharmaceutical needs.



► **BOOTH #935**

HCGTRUEDIET.COM

1050 W. Pipeline Rd., Ste. 201
Hurst, TX 76053
USA

PHONE: 817-595-3800

FAX: 888-316-8594

WEBSITE: www.hcgtruediet.com

EMAIL: info@hcgtruediet.com

The HCG True Diet is a medical weight loss program. We teach doctors how to do the HCG Diet and generate leads through online marketing.



► **BOOTH #1023**

HARVEST TECHNOLOGIES CORP.

40 Grissom Rd., Ste. 100
Plymouth, MA 02360
USA

PHONE: 508-732-7500

FAX: 508-732-0400

WEBSITE: www.harvesttech.com

EMAIL: info@harvesttech.com

The SmartPREP® 2 System from Harvest produces an Autologous Platelet Concentrate enriched with growth factors & white blood cells, at 4X baseline or greater to help optimize the conditions for tissue repair and regeneration.



► **BOOTH #858**

HEALTH FOREVER PRODUCTS

11141 Black Forest Way
Gaithersburg, MD 20879
USA

PHONE: 888-328-5279

FAX: 240-556-0382

WEBSITE: www.health-forever.com

EMAIL: info@health-forever.com

Health Forever products is a multi-national co. that specializes in manufacturing a range of antioxidant based products for different conditions and our competency lies in using natural herbs sourced from Africa.

Add \$40K to \$400K to your bottom line ...effortlessly!



Visit us at Booth #519 and let Anthony Westmoreland, R.Ph., developer of the CompoundMD program, explain how easy it will be to increase your bottom line with little or no effort required. His program can increase your

profits by offering your patients your own branded compounding solution—without the headache of an on-site pharmacy.

This program will allow you to:

- Add a new, ongoing, highly profitable revenue stream
- Increase patient contact and loyalty
- Offer your patients the ultimate convenience
- Gain greater control over your patients' therapy

Dr. John Baird will be on hand to answer your questions about his experiences with the program.

Register
for our
Kindle™
giveaway!

Visit us at
Booth #519
and ask
about our
conference
special!



www.compoundmd.com
info@compoundmd.com




▷ BOOTH #923
HEALTH SECRETS USA

24141 Ann Arbor Trail
Dearborn Heights, MI 48127
USA

PHONE: 313-561-6800

FAX: 313-561-6830

WEBSITE: www.healthsecretsusa.com

EMAIL: info@healthsecretsusa.com

Health Secrets USA has a strong line of proprietary natural alternative medicines that are manufactured in the USA formulated by Prof. Dr. Paul Ling Tai, Chairman of A4M Brasil, supported by published scientific medicinal journals and used by physicians worldwide. Weight Management, Sexual Vigor, Digestive Health, Daily Wellness, Skin Rejuvenation, Bio-Identical Hormone, Saliva Hormone Testing.


▷ BOOTH #711
HEARTLAND PRODUCTS, INC.

PO Box 777
Valley City, ND 58072
USA

PHONE: 888-772-2345

FAX: not available

WEBSITE: www.heartlandnatural.com

EMAIL: inform@heartlandnatural.com

A family owned business for 20+ years, Heartland is committed to health, wellness, quality, excellent customer service and education. We provide solutions for the whole family including Uber Balance[®], Uber Rest[®], Uber Greens[®], Omega Greens[®] & ArnicaGS.


▷ BOOTH #339
HEEL INC.

10421 Research Rd. SE
Albuquerque, NM 87123
USA

PHONE: 800-621-7644

FAX: 800-217-6934

WEBSITE: www.heelusa.com

EMAIL: info@heelusa.com

Heel Inc. is the homeopathic pharmaceutical manufacturer of Traumeel, an anti-inflammatory and safe alternative to NSAIDs that is used and trusted by healthcare professionals and elite athletes all over the world. Heel conducts continuous clinical research and provides ongoing medical education. For information please call 1.800.621.7644.


▷ BOOTH #659
HIGH TECH HEALTH INT'L, INC.

4888 Pearl East Cir., Ste. 202W
Boulder, CO 80301
USA

PHONE: 800-794-5355

FAX: 303-449-9640

WEBSITE: www.hightechhealth.com

EMAIL: info@hightechhealth.com

Since 1994, we have been helping medical practitioners and their patients recognize and eliminate the effects of metal and chemical toxicity with our Thermal Life FIR Saunas, as well as metabolic acidosis with our Ionizer Plus Water Electrolyzer. More doctors recommend High Tech Health than any other company for help with these issues.



HOLTORF MEDICAL GROUP, INC.

CENTER FOR HORMONE IMBALANCE, HYPOTHYROIDISM AND FATIGUE

▶ BOOTH #626

HOLTORF MEDICAL GROUP

23456 Hawthorne Blvd., Bldg. 5, Ste. 160
Torrence, CA 90505
USA

PHONE: 310-375-2705

FAX: 310-375-2701

WEBSITE: www.HoltorfMed.com/Franchise

EMAIL: Punehj@holtorfmed.com

Start your own Successful cash practice or turn your average practice into a goldmine! Discover the turn-key secret to success.



▶ BOOTH #123

HORMONE LABS

2760 W. Oakland Pk. Blvd.
Fort Lauderdale, FL 33311
USA

PHONE: 877-511-5227

FAX: 954-208-5987

WEBSITE: www.hormonelabs.com

EMAIL: dlovely@healthtestingcenters.com

Hormone Labs has provide access to high quality lab testing for more than 30 years. Physicians choose from hormone panels developed by leading anti-aging specialists or can design their own custom array of lab tests.



▶ BOOTH #108

HOME FIRST HEALTH SERVICES

6648 N. Fairfield Ave.
Chicago, IL 60645
USA

PHONE: 866-395-1881

FAX: 847-329-2065

WEBSITE: www.homefirst.com

EMAIL: info@homefirst.com

Homefirst is a line of physician formulated natural supplements. With a background in allopathic medicine, public health, epidemiology of disease and law, our founder, Mayer Eisenstein, MD, JD, MPH, has designed a line of natural supplements to help maintain the health of his patients and now our customers.



▶ BOOTH #836

HP LIFESCIENCE

707 24th Ave. W.
Bradenton, FL 34205
USA

PHONE: 866-559-8548

FAX: 866-581-4968

WEBSITE: www.hplifescience.com

EMAIL: dawn@hplifescience.com

HP LifeScience offers Science Based Natural Health products based on our Premium Ingredients; to target the primary issues resulting form Metabolic Syndrome. We offer aggressive margins and the breakthru natural product Bergamonte™ for cholesterol and blood sugar support. Additional products offer support for Testosterone, inflammation, antioxidant, weight control.



► BOOTH #536

HRT-RX

5500 Military Trail, Ste. 22-218
Jupiter, FL 33458
USA

PHONE: 888-554-7879

FAX: not available

WEBSITE: HRT-Rx.com

EMAIL: info@HRT-Rx.com

HRT-Rx is a patient-assistance network by *William Llewellyn*, author of *ANABOLICS (10th Ed.)* and longtime industry advocate. Network physicians are introduced to Llewellyn's readership, many being active or potential HRT patients. Joining HRT-Rx is an excellent way to bring new patients into your practice and expand your income base.



► BOOTH #557

IDEAL PROTEIN

178 Jean Proulx, Ste. 202
Gatineau, QC J8Z 1V3
Canada

PHONE: 866-314-4447

FAX: 819-772-0416

WEBSITE: www.idealprotein.com

EMAIL: ebianchi@idealprotein.com

The Ideal Protein 4-phase Weight-Loss Method is an easy protocol for Health Professionals. The patient will lose fat while preserving muscle mass, follow a vitamin and mineral regime to avoid deficiencies and reeducate the pancreas.



► BOOTH #551

I-HEALTH

1193 Oakridge Park Dr.
Farmington, UT 84025
USA

PHONE: 801-458-1217

FAX: 801-447-9063

WEBSITE: www.ihealthamerica.com

EMAIL: juliaworkman@comcast.net

The i-Health system is an energy assessment device that measures the meridians, assesses ones personal energy and brings ones energy to balance. We have frequency patterns and protocols for body, mind, and spirit. Prevention, Thermography scanning, Psy-Qi mind energy module, Skin System, Rated number 1 by the German Acupuncture Society.



► BOOTH #737

INCREDIBLE MARKETING

16441 Scientific Way, Ste. 202
Irvine, CA 92618
USA

PHONE: 800.949.0133

FAX: not available

WEBSITE: www.IncredibleMarketing.com

EMAIL: IM@IncredibleMarketing.com

Incredible Marketing, Inc. is a full service Internet Marketing firm with emphasis on custom Website Development, Social Media Marketing, Mobile Apps & Websites, and Search Engine Optimization (SEO).

COMING TO LIFEWAVE IN JANUARY 2011: THE X-15 PATCH

A Revolutionary New Anti-Aging Product, Only Available from LifeWave

LIFEWAVE®

- A product that produces powerful, immediate results
- A product that offers exclusivity
- A product that taps into the multi-billion dollar anti-aging market

"The most advanced weapon in the battle against aging I have ever seen."
-Dr. Dean Clark, U.S.A. Olympic Team doctor, 2004, 2008, 2012

"There is every indication that X-15 causes the body to improve cellular repair."
-Dr. Homer Nazeran, Biomedical Engineer, University of Texas

January 2011 will mark the launch of LifeWave's most dynamic product to date, code named: X-15

Using an exclusive and proprietary technology, LifeWave has developed a new product that produces powerful anti-aging effects, and is immediately demonstrable. **And the best part is that LifeWave is the only company in the world offering this product!**

Find out why Suzanne Somers, Olympic Athletes, and so many others are behind LifeWave

- Sales volume has doubled each year over the last 3 years
 - 6 years of longevity in the business
 - Named to Inc. 5000 list of fastest growing companies 2 years in a row
 - Featured in New York Times bestsellers *Knockout* and *Breakthrough*
 - Endorsed by Olympic & professional athletes
 - Distribution in more than 100 countries
 - Marketing materials supporting 12 different languages
 - Products manufactured at FDA regulated facilities
- More than 40 research studies completed to date

Get on board now!
(866) 420-6288

For more information about X-15 visit:
www.X-15Patch.com

For more information about the LifeWave opportunity visit:
www.LifeWave.com

For more information about the LifeWave community visit:
www.LifeWaveTraining.com

Start building your future today with LifeWave!



INNOVISION

HEALTH MEDIA INC.

▶ BOOTH #840

INNOVISION HEALTH MEDIA, INC.

1408 Northland Dr., Ste. 306
Mendota Heights, MN 55120
USA

PHONE: 651-251-9617

FAX: 303-440-7446

WEBSITE: www.imjournal.com

EMAIL: dbenson@innovisionhm.com

InnoVision Health Media (IVHM) is a health media co. that publishes the peer-reviewed medical journals *Alternative Therapies in Health and Medicine*, *Integrative Medicine: A Clinicians Journal*, & *Advances in Mind-Body Medicine*, as well as the consumer magazine *Natural Solutions: Vibrant Health, Balanced Living*. IVHM's mission is to provide both healthcare practitioners & consumers with high-quality, timely, & credible information about integrative/alternative therapies that can be used to promote health, prevent illness, & treat disease.



▶ BOOTH #240

INOHEALTH PRODUCTS

8601 Six Forks Rd., Ste. 400
Raleigh, NC 27616
USA

PHONE: 919-676-5334

FAX: 919-900-8138

WEBSITE: www.inohealth.com

EMAIL: info@inohealth.com

INOHealth Products, Inc., - Specializes in DNA testing, INOLife will be showing, in their booth, at A4M in Las Vegas two potentially life-saving DNA tests for doctors to order for their patients.



▶ BOOTH #1000

INTERNATIONAL ANTIAGING SYSTEMS

PO Box 19
Sark CI, GY9 05B
Great Britain

PHONE: 415-992-5563

FAX: 415-366-1503

WEBSITE: www.antiaging-systems.com

EMAIL: ias@antiaging-systems.com

Based in Europe, IAS supplies the very latest medicines, nutrition and hormones. Stop by and get your free 2011 catalog with 200+ products. Also see the remarkable Bio-clip arterial stiffness monitor in action.



▶ BOOTH #238

ITAMAR MEDICAL

842 Upper Union St., Ste. 2
Franklin, MA 02038
USA

PHONE: 888-748-2627

FAX: not available

WEBSITE: www.itamar-medical.com

EMAIL: info@itamar-medical.com

EndoPAT™: non-invasive, FDA-cleared device diagnosing endothelial dysfunction – the early indicator of arterial health used by The Mayo Clinic, Framingham Heart Study & others with 250,000 tests in 40 countries.



▷ BOOTH #611

JAN MARINI SKIN RESEARCH, INC.

6951 Via Del Oro
San Jose, CA 95119
USA

PHONE: 800-347-2223

FAX: 408-362-0140

WEBSITE: www.janmarini.com

EMAIL: info@janmarini.com

Jan Marini Skin Research markets medically validated skin care products to consumers through physicians and skin care professionals worldwide. Jan Marini Skin Research products treat common skin conditions such as aging and sun-damaged skin, acne, and rosacea, and as complementary adjuncts to many popular medical procedures.



▷ BOOTH #911

KAVALIA HEALTH PRODUCTS

8 East Broadway, Ste. 428
Salt Lake City, UT 84111
USA

PHONE: 801-532-3029

FAX: 801-746-6301

WEBSITE: www.kavaliainc.com

EMAIL: kavaliahhealthproducts@gmail.com

Kavalia uses all-natural ingredients to provide the highest quality nutraceuticals available. Each formula is tested and proven to provide peak results for a healthier, stronger body. Enhance your life the natural way with Kavalia.



▷ BOOTH #449

JUSURU

3635 S. Fort Apache Rd., Ste. 200-7
Las Vegas, NV 89147
USA

PHONE: 818-998-7778

FAX: 702-839-1902

WEBSITE: www.DoJusuru.com

EMAIL: alan@dojusuru.com

No other products can compare to Jusuru Life Blend. As the only liquid nutraceutical containing patent-protected BioCell Collagen II®, Jusuru provides a competitive advantage for you to build a successful and sustainable business.



▷ BOOTH #753

KDA GLOBAL

2500 N. Circle Dr.
Colorado Springs, CO 80909
USA

PHONE: 719-632-6887

FAX: 719-633-8462

WEBSITE: www.kda-global.com

EMAIL: mktg@homeoco.com

Colorado based manufacturer and wholesaler of proven homeopathic weight loss products, transdermal weight control patches, supplements and organic skin and hair care products. All products made with integrity.


▶ BOOTH #458
KEY PHARMACY COMPOUNDING CENTER

23422 Pacific Highway S.
Kent, WA 98032
USA

PHONE: 800-878-1322

FAX: 888-878-1118

WEBSITE: www.keycompounding.com

EMAIL: info@keycompounding.com

Key Pharmacy Compounding Center is a full service compounding pharmacy that has been providing excellent service to healthcare providers and patients for over forty years. We specialize in: office use injectables, BHRT and pain gels. We are proud to be the first and only pharmacy in Washington State to have earned the PCAB Seal of Accreditation.


▶ BOOTH #338
KORR MEDICAL TECHNOLOGIES

2463 S. 3850 W., Bldg. 200
Salt Lake City, UT 84120
USA

PHONE: 801-483-2080

FAX: 801-483-2123

WEBSITE: www.korr.com

EMAIL: sales@korr.com

KORR Medical is the recognized leader in metabolic measurements for clinical and nonclinical professionals. Our instruments perform Basal Metabolic Rate (BMR) and VO2 Max measurements for the weight-loss industry. The ReeVue (FDA approved) and CardioCoach CO2 will be displayed here at Anti-Aging. How many calories you burn? Come find out.


▶ BOOTH #756
KING BIO

3 Westside Dr.
Asheville, NC 28806
USA

PHONE: 800-543-3245

FAX: 828-255-0940

WEBSITE: www.safecarerx.com

EMAIL: procsr@safecarerx.com

Since 1989, SafeCareRX offers the most comprehensive cutting edge line of high potency professional homeopathic products designed to equip health care practitioners to discern precise natural solutions for common chronic, recurring or unresolved health conditions. New integrative products. Pure water base.


▶ BOOTH #415
KURABIOL LABORATORIES

1101 NW 51 St.
Fort Lauderdale, FL 33309
USA

PHONE: 954-938-8828

FAX: 954-938-8709

WEBSITE: www.kurabiolabs.com

EMAIL: not available

Kurabiol Laboratories USA adopts and makes its own the principles and concepts of Biocell Ultravital of Switzerland, pioneers with more than 70 years of experience in developing products in the field of preventative medicine and anti-aging treatments.

Preceptorship Hormone Restoration “How to Execute the Restoration Model”



with Sangeeta Pati, MD, FACOG

Dear Dr. Pati,

I want to take a moment and reflect back to you how valuable and effective the time was that I spent with you and your incredible staff at Sajune Medical Center. I was immediately drawn to you after hearing your lecture in Module 1 of the Fellowship for Anti-Aging and Regenerative Medicine. This was one of the best lectures that I have ever heard in my entire medical career. Your international medical experience and knowledge base, combined with your integrative center, certainly make you a pioneer in this emerging field. I am truly honored to have had the time and opportunity to directly observe your clinical skills and practice.

As more and more physicians from all types of specialties (including surgery, anesthesiology, emergency medicine, etc) enter this field, your preceptorship will remain THE key piece required for a physician from another specialty to enter this line of work. This was clearly the case for me! I now feel ready to do this work because of my time spent learning directly from you and your staff. Specifically, your five point restorative model, interpretation of hormone and nutrient level testing, and “operational” manuals have given me the remaining “piece of the puzzle.” In my opinion, your preceptorship is the crucial step to allow one to take what he or she learns in AM and convert that knowledge base into a thriving practice.

Sincerely,

Steven J. Saltzman, M.D.
Chief, Department of Anesthesiology
Chester River Hospital Center

Sangeeta Pati, MD, FACOG

Dr. Pati is a Georgetown University trained physician who practiced traditional and holistic medicine for fifteen years in the Washington D.C. area. She has practiced extensively in the U.S. and internationally including serving as Medical director for a 350-employee non-profit organization.

Dr. Pati is multi-lingual and is renowned in her field having authored numerous scientific articles and addressing audiences both nationally and internationally. She is recognized by physicians internationally as a foremost authority in the field of Bio-Identical Hormone Replacement Therapy. Dr.

Pati holds board certifications from the American Board of Ob/Gyn and American Anti-Aging Board of Medicine.

We offer a preceptorship to teach clinicians how to restore optimal health through restoring hormones and nutrients, removing toxicities and rebalancing the mind and the body.

It is a 4-day preceptorship with Dr. Sangeeta Pati. It has been greatly appreciated by physicians who need help putting it all together into practice.

The objectives for learning are as follows:

- First hand participation in interpretation of laboratory tests (hormones, nutrients, toxicities) and prescribing therapy for men and women from ages 13 to 90, based on the individual's symptoms, examination, and lab results as regards:
 - a) the full array of hormones: Progesterone, Estrogen, Testosterone, Thyroid, DHEA, Melatonin, GH, Cortisol & Insulin
 - b) Nutritional Programs - Metabolic Balance, Plant Based & Super Foods
 - c) removal of toxicities
 - d) balancing the mind
 - e) balancing the body
- Turn key operational forms to establish a practice utilizing the “Restorative Health Model” including consent, H&P, progress notes.
- Sajune Medical Protocol Manual for each aspect of the model.

We look forward to hearing from you to schedule your week with the staff of Sajune Medical Center.

The cost of the 4-day program is \$7,500.

Additional programs are available:

- Medical Weight Loss Program - additional \$500 (1/2 day)
- IV Therapies - additional \$500 (1/2 day)

Sajune
MEDICAL CENTER & SPA

**Please visit us at booth # 825 at the Las Vegas Conference
Sign up during the Las Vegas Conference and receive a 10% discount.**

Contact us at: Ph: 407-478-9797 • Fax: 407-478-9798 • zandrews@sajune.com • www.sajune.com


▷ BOOTH #329
LABRIX CLINICAL SERVICES

619 Madison St., Ste. 100
Oregon City, OR 97045
USA

PHONE: 877-656-9596

FAX: 503-656-9756

WEBSITE: www.labrix.com

EMAIL: tori@labrix.com

A leader in innovative Laboratory testing: salivary hormone, Urine Iodine Spot and Load and Vitamin D. Proven quality - New York Certified, FDA-approved, guaranteed 3-5 day turnaround, secure on-line access for practitioners, free physician consultations.


▷ BOOTH #822
LIFE EXTENSION

1100 W. Commercial Blvd.
Ft. Lauderdale, FL 33309
USA

PHONE: 888-884-3657

FAX: 1-886-795-6696

WEBSITE: www.lifeextension.com

EMAIL: customerservice@lef.org

For over 30 years Life Extension has been the leader in anti-aging and optimal health... introducing the U.S. to such innovations as CoQ10, SAME, melatonin, and Irvingia. In Fact, we've formulated over 300 premium-quality supplements to replicate the results of successful research we fund and report.


▷ BOOTH #351
LAWLEY PHARMACEUTICALS PTY LTD

Unit 2/ 15A Harrogate St.
West Leederville Perth, Western Australia 6007
Australia

PHONE: +61 893880096 / 800-961-7813

FAX: +61 893880098

WEBSITE: www.horomonesolutions.com

EMAIL: info@lawleypharm.com.au

Reservations about compounded bio-identical creams? Lawley Pharmaceuticals manufactures and exports to the world clinically trialed and GMP approved bio-identical hormone creams. AndroForte® 5 and AndroFeme® 1 testosterone creams for men and women. ProFeme® 3.2 and 10 progesterone creams for women and Natragen® estradiol cream for women. Wholesale options for physicians.


▷ BOOTH #438
LIFEWAVE

1020 Prospect St., Ste. 200
La Jolla, CA 92037
USA

PHONE: 800 983-9303

FAX: not available

WEBSITE: www.HumanBioEnergetics.com

EMAIL: globalsynergy@mac.com

LifeWave was founded on the principle of breakthrough personal-improvement technology that helps people all over the world to feel great and live well.

LifeWave products are designed to apply a mild and temporary pressure to acupuncture points that are known to improve the flow of energy through the body.



► **BOOTH #1034**

LIGHT AGE, INC.

500 Apgar Dr.
Somerset, NJ 08873
USA

PHONE: 732-563-0600

FAX: 732-563-1571

WEBSITE: www.lightage.com

EMAIL: sales@lightage.com

Light Age, Inc is the preeminent inventor of alexandrite aesthetic laser technology.

Living Younger

Preventive-Aging Medicine & Business System

► **BOOTH #710**

LIVING YOUNGER PREVENTIVE-AGING MEDICINE & BUSINESS SYSTEM

10371 N. Oracle Rd., Ste. 205
Oro Valley, AZ 85737
USA

PHONE: 520-229-1900

FAX: 520-742-2900

WEBSITE: www.livingyoungerpreventive-aging.com

EMAIL: gwpetersburg@livingyoungerpreventive-aging.com

Establish your own successful preventive-aging practice quickly and inexpensively-without franchise fees. The only customizable turnkey package with step-by-step instructions are ready-to-use tools: business forms, marketing materials and human performance assessment.



► **BOOTH #441**

LIQUID SMILE

7437 S. Eastern Ave., Ste. 200
Las Vegas, NV 89123
USA

PHONE: 888-954-7843

FAX: 877-954-7843

WEBSITE: www.liquidsmile.com

EMAIL: cindy@liquidsmile.com

LIQUID SMILE® PROFESSIONAL WHITENING PEN™ offers convenient, professional, affordable teeth whitening. Liquid Smile is easy to apply, takes less than one minute, contains the most powerful dosage of hydrogen peroxide (12%) of any paint-on whitener.



► **BOOTH #922**

LIVON LABORATORIES

2654 W. Horizon Ridge Pkwy., Ste. B-5 Dept. 108
Henderson, NV 89052
USA

PHONE: 866-790-2107

FAX: 702-492-6824

WEBSITE: www.livonlabs.com

EMAIL: service@livonlabs.com

LivOn Laboratories formulates supplements that rival the bio-availability of intravenous injection with Liposomal Encapsulation Technology. Recently researchers — using Lypo-Spheric™ Vitamin C — attained vitamin C blood levels nearly 200% higher than believed possible through oral supplementation.



▷ BOOTH #343

LOCATEADOC.COM - PRACTICEDOCK / MOJO INTERACTIVE

1060 Woodcock Rd.
Orlando, FL 32803
USA

PHONE: 877-665-6798

FAX: 407-206-3376

WEBSITE: www.practicedock.com

EMAIL: sales@LocateADoc.com

You're not just running a practice, you're running a business. Let PracticeDock help. This virtual marketing in-a-box tool, provides cost effective online marketing solutions with real-time visibility and results to transform quality prospects into business. Identify, connect and communicate with prospective patients to optimize your marketing efforts. www.practicedock.com 877-665-6798



▷ BOOTH #717

MASTERPHARM LLC

115-06 Liberty Ave.
Richmond Hill, NY 11419
USA

PHONE: 866-630-5600

FAX: 866-630-5700

WEBSITE: www.masterpharm.com

EMAIL: tmasta@masterpharm.com

MasterPharm is a state of the art compounding facility. We provide superior customer service plus quality custom compounded prescription drugs at competitive pricing. MasterPharm has an int'l reputation as an authority in pain management & anti-aging therapies. Sterile products are compounded in ISO-4 Class-10 clean rooms. We invite you to call our healthcare professionals for assistance w/placing an order or to answer any questions you may have.

Maxim Yutsis

▷ BOOTH #250

MAXIM YUTSIS WEALTH MANAGEMENT

122 East 42nd St., Ste. 4900
New York, NY 10168
USA

PHONE: 212-490-4590

FAX: 212-490-4592

WEBSITE: www.maxwealthonline.com

EMAIL: max@maxwealthonline.com

While the marketplace is full of financial planners, sales people, financial advisors, investment managers, stock brokers, insurance agents, you need a well-rounded seasoned professional. Maxim Yutsis Wealth Management has the resource and experience you need. Securities offered through LPL Financial, Member FINRA/SIPC.



▷ BOOTH #823

MD PRESCRIPTIVES

4767 New Broad St.
Orlando, FL 32814
USA

PHONE: 877-963-7737

FAX: 407-514-2625

WEBSITE: www.mdprescriptives.com

EMAIL: information@mdprescriptives.com

MD Prescriptives is a practitioner exclusive manufacturer of nutritional supplements who seamlessly integrates natural ingredients with the latest scientific research to offer a line of nutritional products to the patient for maximum hormonal activation www.mdprescriptives.com.

Scientifically Proven, Multi-Patented for Youthful Looking Skin
Finally, the "Fountain of Youth" has been bottled...

Jusuru[®]

...made with...
BioCell Collagen **TF**

- **Resveratrol**
- **Antioxidants**



Daily Kindle Giveaway!

Must be present to win.
One entry per person daily.
Qualify for additional entries.

Visit Booth 449

**Generate Passive Income, Attract More Patients
Provide Better Results with Jusuru!**

* These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

www.DoJusuru.com - Alan E. Shugarman, MS, RD (818) 998-7778



► **BOOTH #634**

MD-WARE SOFTWARE

1788 Drew Rd., Ste. A
Mississauga, Ontario L5S 1L7
Canada

PHONE: 800-798-6199

FAX: 905-362-4374

WEBSITE: www.mdware.com

EMAIL: sales@mdware.com

MD-Ware is the most powerful EMR/Marketing/Insurance Billing/Practice Management Software. MD-Ware offers an intuitive, easy touch screen design and flexibility. We are the obvious choice with our all in one solution.



► **BOOTH #141**

MEDESTHETICS MAGAZINE

7628 Densmore Ave.
Van Nuys, CA 91406
USA

PHONE: 800-442-5667

FAX: 818-782-2913

WEBSITE: www.medestheticsmagazine.com

EMAIL: jlovell@creativeage.com

Take your medical aesthetic practice or med spa to a whole new level. Sign up for a free subscription to MedEsthetics, the business magazine for physicians offering aesthetic services. Each issue features cutting-edge equipment and products, strategic management tools, marketing tips, industry news and more.



► **BOOTH #407**

MEDAUS PHARMACY

6801 Cahaba Valley Rd., Ste 116
Birmingham, AL 35242
USA

PHONE: 800-526-9183 / 205-981-2352

FAX: 800-526-9184 / 205-981-2767

WEBSITE: www.medaus.com

EMAIL: info@medaus.com

With 80 years of combined compounding experience, our staff has established a reputation among physicians by providing medications and advice that make a difference in the lives of their patients. Specialties include: Bio-Identical Hormones, Thyroid Medications (including Sustained Release T-3), Injectable Glutathione, MIC Injections, Vitamin and Mineral Injections.



► **BOOTH #435**

MEDQUEST SOLUTIONS

669 West 900 N.
North Salt Lake, UT 84054
USA

PHONE: 888-222-2956

FAX: 801-294-1401

WEBSITE: www.mqrx.com

EMAIL: info@mqrx.com

Focused on healthy aging, the portfolio marketed as MedQuest Solutions includes everything from the finest compounded bio identical hormone prescriptions, to our medical subsidiaries, superior lab services, supplement manufacturing, CME accredited courses and total office software.



▷ BOOTH #534

MERIDIAN VALLEY LABORATORIES

801 SW 16th St., Ste. 126
Renton, WA 98057
USA

PHONE: 425-271-8689

FAX: 425-271-8674

WEBSITE: www.meridianvalleylab.com

EMAIL: info@meridianvalleylab.com

Medical Director: Jonathan V. Wright, MD: Serving your preventive medicine needs since 1976, specializing in hormone and food allergy testing: The industry's most complete 24-hr urine hormone profiles including Growth Hormone and 30+ hormones and metabolites - free interpretation/treatment support; New serum testosterone metabolite profiles to help evaluate prostate cancer risks. Allergy Panels with over 190 potential allergens at industry low prices.



Genetic Potential Through Nutrition

▷ BOOTH #507

METAGENICS, INC.

100 Avenia La Pata
San Clemente, CA 92673
USA

PHONE: 800-692-9400

FAX: not available

WEBSITE: www.metagenics.com

EMAIL: not available

Metagenics is a global life sciences company focused on improving health. Since 1983 Metagenics has helped health care professionals and their patients throughout the world find solutions to their most pressing health concerns with high quality, science-based medical foods, nutraceuticals and lifestyle medicine programs.



▷ BOOTH #429

METABOLIC MAINTENANCE

PO Box 940
Sisters, OR 97759
USA

PHONE: 541-549-7800

FAX: not available

WEBSITE: www.metabolicmaintenance.com

EMAIL: info@metabolicmaintenance.com

For 25 yrs Metabolic Maintenance Products has manufactured excipient-free, science-based nutritional supplements. Our products include free-form U.S.P. certified amino acids, minerals, antioxidants, multivitamins, herbal extracts & a range of specialty products. Innovation, purity, quality & value continue to be the foundation of our company. We demand the purest "active" raw materials & apply strict quality control measures. You can be confident that Metabolic Maintenance will always provide the highest quality finished product.



▷ BOOTH #707

METAMETRIX CLINICAL LABORATORY

3425 Corporate Way
Duluth, GA 30096
USA

PHONE: 800-221-4640

FAX: 770-441-2237

WEBSITE: www.metametrix.com

EMAIL: inquiries@metametrix.com

For 25 years our exceptional customer service, technical support, and commitment to research and education have made Metametrix a clinical laboratory pioneer. Next Generation Technologies include GI Effects DNA-based stool analysis and Toxic Effects Profiles.



▶ BOOTH #949

MIDWEST RF

1050 Walnut Ridge Dr.
Hartland, WI 53029
USA

PHONE: 262-367-6925

FAX: 262-367-7684

WEBSITE: www.midwestrf.com

EMAIL: info@midwestrf.com

Physicians now have a non-drug, noninvasive, FDA-approved treatment specifically for their female patients suffering from androgenic alopecia (female pattern baldness). The MEP-90 Hair Growth Stimulation System, is now available for immediate delivery. Come see us in booth 949.



▶ BOOTH #759

NATIONAL RISK EXPERTS, LLC

11380 Prosperity Farms Rd., Ste. 113
Palm Beach Gardens, FL 33410
USA

PHONE: 561-775-2588

FAX: 561-775-1596

WEBSITE: www.nationalriskexperts.com

EMAIL: jeanm@nationalriskexperts.com

National Risk Experts for All Your Insurance Needs

Medical Malpractice Insurance - Covers: Anti-Aging Medicine, Medi-Spa, Medical Directors, Physicians. Includes Bio-Identical, Hormone Replacement Therapy: HCG, HCH and Products. Risk Management Training.



THE POWER OF KNOWLEDGE

▶ BOOTH #135

MUSHROOM WISDOM, INC.

1 Madison St., Bldg. F6
East Rutherford, NJ 07073
USA

PHONE: 800-747-7418

FAX: 973-470-0017

WEBSITE: www.mushroomwisdom.com

EMAIL: customerservice@mushroomwisdom.com

Mushroom Wisdom is a global leader in medicinal mushroom supplements. Founded nearly twenty years ago to bridge Eastern wisdom and Western science, products include proven formulations derived from Maitake, Shiitake, Lion's Mane, Chaga & more.



▶ BOOTH #900

NATURAL CLINICIAN

47 Center Dr.
Little Falls, NJ 07424
USA

PHONE: 973-256-4660

FAX: 973-256-8085

WEBSITE: www.naturalclinician.com

EMAIL: info@naturalclinician.com

Natural Clinician is dedicated to the advancement of natural healthcare, with a unique, condition-specific, evidence-based line of dietary supplements.

Hyaluronic Acid (HA)

where it is located and how it helps



SCALP TISSUE & HAIR FOLLICLES

There are 100,000 hair follicles on the scalp, located in the dermal layer of the skin. The connective tissues supports, nourishes and hydrates this area of the scalp, resulting in thick lustrous hair. Hyaluronic acid helps keep the scalp moisturized.



SKIN

The skin is the largest organ in the body, or about 15 percent of our body weight. Along with collagen, HA is vital to maintaining skin's layers and structure. Collagen gives skin its firmness; HA hydrates the collagen, keeping it moist and elastic. Younger skin is smooth and highly elastic because it contains high concentrations of hyaluronic acid. But as we grow older, the body loses its ability to maintain this same concentration in the skin, and the skin becomes drier. HA acts as a space-filler by binding water and keeping the skin looking wrinkle-free.



EYES

Hyaluronic acid is highly concentrated inside the eye, giving the eye a viscous gel-like property. This gel acts like a shock absorber and transports nutrients. HA helps maintain the shape of the eye and keeps eyes moist. It may even help with poor vision.



GUMS

The gums secure the teeth to the jawbone. Without hyaluronic acid, gum tissue can become unhealthy. With HA, the gums become stronger, securing teeth in place and helping provide hydration and nourishment.



JOINTS

The fluid in your joints mimics the oil in a car engine. We replace engine oil because heat and friction break down its viscosity. As we age, joint fluid breaks down and is unable to protect and cushion the cartilage. Hyaluronic acid helps to restore normal viscosity and prevent further damage.



Visit Booth #307
cpmedical.net
 888.401.0967



▶ BOOTH #451

NATURAL SOURCE INTERNATIONAL LTD.

150 East 55th St.
New York, NY 10022
USA

PHONE: 212-308-7066

FAX: 212-593-3925

WEBSITE: www.natural-source.com

EMAIL: info@natural-source.com

Natural Source International Ltd. is a leading provider of natural dietary supplements. The Beljanski® products, developed by Mirko Beljanski, Ph.D. to support immune system health, are complemented by Targetage®, a new line specializing in detoxification.



▶ BOOTH #810

NEUROSCIENCE, INC.

373 280th St.
Osceola, WI 54020
USA

PHONE: 888-342-7272

FAX: 715-294-3921

WEBSITE: www.neuroscienceinc.com

EMAIL: customerservice@neurorelief.com

NeuroScience, Inc. is a research-driven company committed to improving human health through the neurological, endocrine and immune systems and provides novel laboratory assessments, clinical tools and products in the field of neurology, endocrinology, and immunology.

Nature's Oracles

▶ BOOTH #748

NATURE'S ORACLES

2247 East 3700 N.
Layton, UT 84040
USA

PHONE: 801-660-9681

FAX: not available

WEBSITE: www.naturesoracles.com

EMAIL: naturesoracles@gmail.com

Nature's Oracles is inspired by nature to create a full-spectrum of formularies that are standardized and condition specific. We provide the best nutrition-based strategy for promoting optimal health which begins with nutrient-rich whole foods.



▶ BOOTH #543

NEUROTRIS

9450 7th St., Ste. J
Rancho Cucamonga, CA 91730
USA

PHONE: 877-929-9920

FAX: 909-466-9726

WEBSITE: www.neurotris.com

EMAIL: tony@neurotris.com

Manufacture of anti-aging / esthetic machines for body sculpting and facial rejuvenation.



▷ BOOTH #607

NORDIC NATURALS

94 Hanger Way
Watsonville, CA 95076
USA

PHONE: 831-724-6200

FAX: 831-763-9329

WEBSITE: www.nordicanaturals.com

EMAIL: prosales@nordicnaturals.com

Nordic Naturals, a leading provider of essential fatty acids, offers a complete line of omega oils for the entire family that offer unsurpassed purity, freshness and taste.



▷ BOOTH #527

NOVUS OPTIMUM

PO Box 640588
San Francisco, CA 94164
USA

PHONE: 415-986-8991 / 888-499-9100

FAX: 415-986-1580

WEBSITE: www.novusoptimum.com

EMAIL: sales@novusoptimum.com

Anti-Aging Food Supplements: Brain Sharpener™, Sleep Ezzy™, Pleasure Enhancer™, it is not Viagra but is an Erectile Enhancer™, Virgin-Again™ - libido enhancer for women, 4-Weightloss™, Vitamin 4-Hair™, 4-Endocrine Health™, Apoptosin™, Elasteen™, Optimum Man, anti-aging for men, Age-Spots Cleanser™ Velvet-Skin™, wrinkle reducer, for face-neck-hands-eyes., 4-Constipation•Digestion•Parasites™ + more. Samples available at our booth.



▷ BOOTH #749

NOUVEAU CONTOUR

189 S. Orange Ave., Ste. 110
Orlando, FL 32801
USA

PHONE: 877-628-7201

FAX: not available

WEBSITE: www.nouveaucontourusa.com

EMAIL: r.waters@nouveaucontourusa.com

Nouveau Contour is the leading manufacturer of digital permanent make-up devices, pigments & supplies known the world over. The Nouveau Contour Training Academy is the only Certified Master Academy in the US today. The Nouveau Contour Precision hand piece along with our patented needle cartridge system allows you to eliminate cross contamination risks while proving optimum results.



▷ BOOTH #344

NUMEDICA

9503 E. 55th Pl.
Tulsa, OK 74145
USA

PHONE: 866-787-5175

FAX: 877-270-2005

WEBSITE: www.numedica.com

EMAIL: mail@numedica.com

NuMedica® offers the highest quality, cutting-edge nutrition and innovative professional formulas available. Choose NuMedica® for science-based nutrition in evidence-based dosing.


▷ BOOTH #915
NUSKIN

2251 N. Rampart Blvd., Ste. 353
Las Vegas, NV 89128
USA

PHONE: 702-363-5343

FAX: 702-363-7443

WEBSITE: www.nsevideos.com

EMAIL: rkarlen@bigplanet.com

Exclusive patented technology gives you an at home alternative to spa treatments — in just 5 minutes — with the Galvanic Spa Instrument & specially formulated facial gels. Slows visible signs of aging at their source w/ageLOC technology — Stops free radical damage at skin level. A revolutionary anti-aging ingredient blend. Read Stanford & Purdue Medical Schools clinicals at karlen.spabeautyathome.com.

▷ BOOTH #856
NUTRATEST

4646 North Shallowford Rd., Ste. N
Dunwoody, GA 30338
USA

PHONE: 678-736-6374

FAX: 770-392-9805

WEBSITE: www.nutratestlabs.com

EMAIL: nutratest@hotmail.com

NutraTest provides interlinked and evidence-based testing to help clinician's pinpoint key areas of treatment. We offer superior quality and affordability through comprehensive profiles and single analyte follow-up testing to augment health and patient compliance.


▷ BOOTH #152
NUTRAMEDIX

2885 Jupiter Pk. Dr., Ste. 1600
Jupiter, FL 33458
USA

PHONE: 561-745-2917

FAX: 561-745-3017

WEBSITE: www.nutramedix.com

EMAIL: mark@nutramedix.com

Nutramedix has supplied natural products to health care professionals since 1993. Our line of liquid products is manufactured utilizing a proprietary extraction and enhancement process that provides highly bio-available, full spectrum extracts.


▷ BOOTH #126
NUTRILAB/CUSTOMVITE

PO Box 865 Docks Corner Rd.
Dayton, NJ 08810
USA

PHONE: 800-379-9979

FAX: 800-379-6374

WEBSITE: www.customvite.com

EMAIL: service@nutrilab.com

CustomVite is the leading provider of Personalized Nutritional Supplements. CustomVite addresses your unique nutritional needs based on sound scientific and medical principles. CustomVite offers a user-friendly program with a revenue opportunity. CustomVite uses quality ingredients carefully formulated to support your health management program.

High blood sugar and AGEs accelerates the aging process



Introducing

A new frontier in anti-aging

AGE Essential Defense:

Protects cells from the damaging effects of high blood sugar

- Naturally helps reduce high blood sugar levels
- Blocks AGEs (Advanced Glycation End Products)

AGE Essential Defense, is a breakthrough natural supplement that addresses some of the biggest health concerns of our time. It includes the most effective ingredients available today for lowering blood sugar levels, plus a proprietary mineral formula that beat the leading anti-glycation medication at inhibiting AGEs. Developed by Dr. Frederic Vagnini, diabetes expert, cardiovascular surgeon and speaker at this year's A4M. *Attend Dr. Vagnini's lecture on AGEs and other related health issues: Saturday December 11, 2010 at 8:00 - 8:40 am. Visit the AGE Essential Defense booth no. 236.*



Dr. Ronald Klatz, MD, DO, President and founder of A4M reports:

"Glycation and its by-product, AGEs has been linked to many diabetes complications and a number of chronic diseases. In fact, AGEs is now known to be a key mechanism of aging."

- from "The Toxic Triangle," 2010

For more information,
call 1-877-74-SUGAR
(1-877-747-8427)
or visit our website at
www.antiglycationformula.com


▷ BOOTH #215
ONDAMED INC.

2570 Route 9W
Cornwall, NY 12518
USA

PHONE: 845-534-0456

FAX: 845-534-0457

WEBSITE: www.ondamed.net

EMAIL: support@ondamed.net

ONDAMED - This breakthrough Integrative Biophysics Technology locates underlying dysfunction, then, simultaneously, provides a therapeutic stimulus specific to each patient. Transforming hundreds of medical practices and thousands of patients' lives for over 15 years. Experience anti-aging from the inside-out at Booth #215. Visit us at www.ondamed.net or call us at (845) 534-0456


▷ BOOTH #1011
OPTIMUM HEALTH INTERNATIONAL, LLC

257 East Center St.
Manchester, CT 06040
USA

PHONE: 800-228-1507

FAX: 860-643-2531

WEBSITE: www.opthealth.com

EMAIL: srobitaille@opthealth.com

Optimum Health International is a nutraceutical/electroceutical company offering the most up-to-date therapies in the nutraceutical and electroceutical world. Grounded bed sheets, universal mats and other earthing-related products are available. Optimum Health also offers Dr. Sinatra's entire library of books including *Earthing* his latest book with Clint Ober and Martin Zucker.


▷ BOOTH #153
ONE STOP PHARMACY

3193 Tech Dr., Ste. B
St. Petersburg, FL 33716
USA

PHONE: 877-561-9080

FAX: 727-561-9215

WEBSITE: www.onestoppharmacyinc.com

EMAIL: info@onestoppharmacyinc.com

One Stop Pharmacy, Inc. is a leader in the industry, specializing in pre & post laser facial creams, BHRT, libido therapies, and weight loss management. With over 40 years in pharmaceutical compounding, One Stop Pharmacy's caring staff provides enthusiastic service and world class customer support.


▷ BOOTH #145
ORENDA INTERNATIONAL

1180B S. Mount Shasta Blvd.
Mount Shasta, CA 96067
USA

PHONE: 530-926-1000

FAX: 530-926-3537

WEBSITE: www.orendalive.com/30929

EMAIL: drlu@drlumd.com

Orenda International is a biotech company with three leading edge nutraceuticals focusing on anti-aging with patented liposomal delivery system, immune science enhancing cellular detoxification, and superfoods with Aronia and raw cocoa: simple, effective and affordable.



▷ BOOTH #515

ORTHO MOLECULAR PRODUCTS

3017 Business Park Dr.
Stevens Point, WI 54482
USA

PHONE: 800-332-2351

FAX: 800-476-4664

WEBSITE: www.orthomolecularproducts.com

EMAIL: info@ompimail.com

Ortho Molecular Products develops, manufactures and details nutraceuticals exclusively to Health Care Professionals. Ortho Molecular Products is committed to formulating products according to science and clinical research, and utilizing only the highest quality raw ingredients.

▷ BOOTH #727

PALOMAR MEDICAL TECHNOLOGIES

15 Network Dr.
Burlington, MA 01803
USA

PHONE: 781-993-2300

FAX: 781-993-2330

WEBSITE: www.palomarmedical.com

EMAIL: info@palomarmedical.com

Palomar Medical Technologies, Inc. develops the most advanced laser and pulsed-light systems for aesthetic applications including true laser body sculpting, autologous fat transfer, permanent hair reduction, fractional skin resurfacing, and skin rejuvenation. Palomar's StarLux®500 and Slim-Lipo™ From Light Comes Beauty.



▷ BOOTH #806

OXYHEALTH, LLC

10719 Norwalk Blvd.
Santa Fe Springs, CA 90670
USA

PHONE: 877-789-0123

FAX: 562-906-8885

WEBSITE: www.oxyhealth.com

EMAIL: information@oxyhealth.com

OxyHealth has changed the way the medical industry looks at hyperbaric medicine. With over 8,000 portable and steel chambers in service today, OxyHealth refined the "industry standards" and achieved global status.

▷ BOOTH #614

PATH MEDICAL

185 Madison Ave.
New York, NY 10016
USA

PHONE: 888-304-PATH

FAX: 212-213-6188

WEBSITE: www.pathmed.com

EMAIL: pathmedical@aol.com

Eric Braverman, MD is the best-selling author of Younger You, The Edge Effect and other popular titles. He was recently featured on NBC's Today Show, was a special expert guest on The Tyra Banks Show, and was interviewed by Pat Robertson on CBN's 700 Club! Join Dr Braverman and the PATH Medical staff at booth 614 & sign up for limited Brain test appointments. Books, Vitamins & Research available at booth.


▶ BOOTH #943
PATHWAY GENOMICS

4045 Sorrento Valley Blvd.
San Diego, CA 92121
USA

PHONE: 858-450-6600

FAX: 858-450-6604

WEBSITE: www.pathway.com

EMAIL: lynda.meyer@pathway.com

Pathway has launched Pathway Fit™, a genetic report that delivers personalized information on how a person's body responds to exercise and performance, and provides recommendations to help that person reach a healthy weight.


▶ BOOTH #719
PHYSIOAGE SYSTEMS

30 Central Park S.
New York, NY 10019
USA

PHONE: 877-888-3210

FAX: 212-888-7828

WEBSITE: www.physioagesystems.com

EMAIL: jerry@physioage.com

PhysioAge Systems™ is a web-based software platform that provides deeper insights into the status and function of your patients' most important physiological systems. How well are your patients aging? Now you can find out.


▶ BOOTH #915
PHARMANEX

2251 N. Rampart Blvd., Ste. 353
Las Vegas, NV 89128
USA

PHONE: 702-363-5343

FAX: 702-363-7443

WEBSITE: www.vitalityoverview.com

EMAIL: rkarlen@bigplanet.com

Pharmanex is launching at this show the 1st all natural genetic product called Ageloc Vitality. It increases physical vigor, mental acuity and sexual desire. Go to www.vitalityoverview.com & watch 2 mice in a Stanford study. For more info call 480-289-7000 to listen to a recorded call explaining how the genes of a 40, 50 & 60 yr. old will look like the genes of a 20 yr. old in 5 wks. This is the only genetic product on the market with 14 patents & 4 yrs. of clinical research. NuSkin/Pharmanex is becoming the premier Anti Aging company.


▶ BOOTH #242
PHYSIODERMIE

4930 Bois Franc
St. Laurent, QC H4S 1A7
Canada

PHONE: 800-263-8888

FAX: 514-333-8282

WEBSITE: www.derme.ca

EMAIL: not available

The Methode Physioderme face and body products are manufactured in Switzerland. The MEIMA Technology (patent) diffuses natural active ingredients, plant extracts and high quality concentrated essential oils to obtain optimal results. Methode Physioderme offers hypoallergenic skincare products used by renowned plastic surgeons and dermatologists.

SkinTyte™

the **BEST WAY** to **TYTEN SKIN!**
predictable results | excellent value

SkinTyte utilizes infrared energy to deeply heat dermal collagen to create a new foundation of collagen and increased skin firmness.

- SkinTyte's excellent and consistent results will satisfy your patients and have them returning for more treatments.
- With a 15 x 45 mm spot size and high repetition rate, SkinTyte allows you to treat more patients in less time.
- SkinTyte has unlimited pulses under warranty and no consumables, keeping treatment costs down and your return on investment up.



Photos courtesy: Gloria Lopez, MD



Photos courtesy: Michael McCall, MD

Visit Us At
Booth 214

2009 Sciton, Inc.

 SCITON®

Contact Sciton To Learn More • Toll Free: 1.888.646.6999 • www.sciton.com




▶ BOOTH #623
PHYSIOLOGICS

2100 Smithtown Ave.
 Ronkonkoma, NY 11779
 USA

PHONE: 800-765-6775

FAX: 201-363-2118

WEBSITE: www.physiology.com

EMAIL: villavl@physiology.com

PhysioLogics® is a vitamin and supplement line that supports the healthcare practitioners and focuses on quality and value.


▶ BOOTH #959
PRECISION LASER THERAPY

3690 Orange Pl., Ste. 115
 Beachwood, OH 44122
 USA

PHONE: 800-310-2662

FAX: 216-831-6449

WEBSITE: www.precisionlasertherapy.com

EMAIL: info@precisionlasertherapy.com

Low-Level Laser Therapy (LLLT) regrows your male and female patients' hair in about 12 months. This business-within-your business compliments BHRT, hair transplantation, aesthetic, and integrative medicine services. Discover how resolving hairlines helps your bottom line.

P I L L O 1
▶ BOOTH #336
PILLO 1

PO Box 6727
 Malibu, CA 90264
 USA

PHONE: 310-457-2004

FAX: 310-457-2199

WEBSITE: www.pillo1.com

EMAIL: andrea@pillo1.com

Pillo1 and Sleep To Health products is dedicated to invent, develop and market products that enhance and promote healthy, productive lives. Pillo1 is Dr. Raymond Hall's eco-luxe, therapeutic answer to improving lives through better sleep.


▶ BOOTH #425
PREMIER RESEARCH LABS

3500 Wadley Pl., Bldg B
 Austin, TX 78728
 USA

PHONE: 800-325-7734

FAX: 512-341-3931

WEBSITE: www.prlabs.com

EMAIL: antonio@prlabs.com

Welcome to "Nutrition that really works." Finally, a new paradigm in nutrition science is available — ultra-pure, clinically tested nutritional products with the unique capacity to induce quantum cellular resonance - all 100% excipient-free.



▶ BOOTH #234

PRIME CLINICAL SYSTEMS, INC.

3675 E. Huntington Dr., Ste. A
Pasadena, CA 91107
USA

PHONE: 626-449-1705

FAX: 626-449-5623

WEBSITE: www.primeclinical.com

EMAIL: sales@primeclinical.com

Prime Clinical Systems is the leader for fully automated Practice Management and EMR solutions. Prime's software applications successfully and consistently achieve results for groups of any size and specialty.



▶ BOOTH #636

PRIORITY ONE NUTRITIONAL SUPPLEMENTS, INC.

2681 Delta Ring Rd.
Ferndale, WA 98248
USA

PHONE: 800-443-2039

FAX: 360-366-7238

WEBSITE: www.priorityonevitamins.com

EMAIL: info@priorityonevitamins.com

Priority One Nutritional Supplements is a family owned and operated company dedicated to the holistic field of medicine, providing the best in quality, and service since 1988. We specialize in manufacturing pure, clinical strength supplements for the healthcare professional.



▶ BOOTH #256

PRIME LIFE INTEGRATIVE MEDICINE

610 Kingsmill Cove, Ste. 210
Lake Mary, FL 32746
USA

PHONE: 888-818-8550

FAX: 888-818-8650

WEBSITE: www.primelifemed.com

EMAIL: information@primelifemd.com

We offer a solution for physicians interested in having a functional medicine practice. We do this through personalized clinical training in accordance with seamless vendor-coordination, marketing support and technology for a successful cash-based practice.



▶ BOOTH #442

PROFESSIONAL LIABILITY SOLUTIONS, LLC

7421 Carmel Executive Pk.
Charlotte, NC 28226
USA

PHONE: 800-871-6871

FAX: 704-927-5981

WEBSITE: www.professionalliabilitysolutions.net

EMAIL: edkuhn60@hotmail.com

Professional Liability Solutions is an independent insurance agent with over ten years experience specializing in nationwide comprehensive liability insurance products for the anti-aging, integrative medicine and medical spa industry.



► **BOOTH #715**

PROTHERA, INC.

10439 Double R Blvd.
Reno, NV 89521
USA

PHONE: 888-488-2488

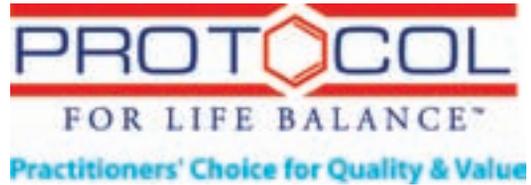
FAX: 775-850-8810

WEBSITE: www.protherainc.com

EMAIL: customerservice@protherainc.com

ProThera® manufactures an integrated line of nutraceutical products for exclusive distribution by healthcare professionals. ProThera® operates a GMP 9000 registered facility certified by NSF International.

Private labeling at no extra charge for as few as 12 bottles and custom manufacturing services are also available.



► **BOOTH #218**

PROTOCOL FOR LIFE BALANCE

395 S. Glen Ellyn Rd.
Bloomington, IL 60108
USA

PHONE: 877-776-8610

FAX: 800-886-1045

WEBSITE: www.protocolforlife.com

EMAIL: sales@protocolforlife.com

Protocol For Life Balance is a GMP 'A'-rated line of pharmaceutical-grade dietary supplements sold exclusively to health care practitioners. Protocol products are priced 33-68% less than other practitioner brands, providing your patients with affordable, essential dietary supplements.



► **BOOTH #757**

PROTOCOLADMUS TECHNOLOGIES SPAIN S.L.

E-78 Sixteenth Sq., AFE, Okhla
New Delhi, 110025
India

PHONE: 919811137145

FAX: 911129945191

WEBSITE: www.proesthetic.us

EMAIL: contact@protocadmus.com

Protocadmus Technologies Spain S.L. is an international medical company based in Valencia - Spain & New Delhi - India.

New Expandable Laser & Light Platform systems are manufactured under the guidance of German engineering according to ISO 13485:2003 and MDD 93/42/EEC, CE Certified, and Registered as medical Devices in European Union.



► **BOOTH #328**

PURE ENCAPSULATIONS

490 Boston Post Rd.
Sudbury, MA 01776
USA

PHONE: 800-753-2277

FAX: 888-783-2277

WEBSITE: www.PureCaps.com

EMAIL: csservice@purecaps.com

Pure Encapsulations is committed to producing the most complete line of science-based nutritional supplements. Available exclusively through medical professionals, every finished product is pure and hypo-allergenic to best optimize the long-term health of your most sensitive patients. For additional information, please visit www.PureCaps.com

Home of the Cancer Profile and Longevity Profile

**25 Years
of
Clinical Pathology
Excellence**

American Metabolic Laboratories specializes in prevention and early detection of disease. We use a unique approach to diagnostic testing and deliver outstanding quality. Our credibility has built us a name that's trusted worldwide by doctors and patients.

Our Laboratory Director, **Dr. E.K. Schandl, Ph.D.**, developed 2 exclusive batteries of tests known as the **Cancer Profile** and the **Longevity Profile** for early detection of degenerative diseases. The **Cancer Profile** can often detect the development of cancer years prior to a diagnosis by other methods. Thousands of patients have been tested with this profile with accuracy up to 94 percent. See www.townsendletter.com Aug/Sept, 2010 issue, *The CA Profile and its Clinical Applications*.

The **Longevity Profile** (includes the **Cancer Profile**) is a more comprehensive panel and has proved to be a forerunner in detecting developing disease/s well ahead of any traditional diagnostic testing. This is a Biochemical Full Body Scan without radiation.

The results of these profiles provide a goldmine of clinical pathological information especially to the metabolic physician for prevention and/or treatment.

- **Proficiency**
- **Accuracy**
- **Precision**
- **Specificity**
- **CLIA and COLA certified**
- **Committed to our doctors and patients**



American Metabolic Laboratories

1818 Sheridan Street, Suite 102

Hollywood, FL 33020

954-929-4814

www.americanmetaboliclaboratories.net

BOOTH # 827


▷ BOOTH #227
QCA SPAS / THERASAUNA

1021 State St.
Bettendorf, IA 52722
USA

PHONE: 563-359-3881

FAX: 563-359-3018

WEBSITE: www.qcaspas.com

EMAIL: qcaspas@qcaspas.com

TheraSauna® is a far infrared health sauna providing the safest, most effective infrared therapy available. TheraSauna® assists the body in ridding itself of harmful toxins to achieve optimum health. TheraSauna® utilizes a patented control system; is FDA registered and CSA approved. TheraSauna® offers a zone-control, 7-day programmable system.


▷ BOOTH #751
RADIANT LIFE

1910 Jacob St.
Wheeling, WV 26003
USA

PHONE: 877-754-3308

FAX: 304-232-1506

WEBSITE: www.radiantlifemagazine.com

EMAIL: hcampbell@radiantlifemagazine.com

Designed to educate the public about cosmetic procedures, healthful behaviors and wellness, Radiant Life serves to form solid relationships between qualified physicians and readers. With front cover visibility, one full physician profile page and two full ad pages, Radiant Life is like no other aesthetic magazine!


▷ BOOTH #618
QUALITY OF LIFE LABS

2975 Westchester Ave., Ste. G01
Purchase, NY 10577
USA

PHONE: 877-937-2422

FAX: 914-251-0761

WEBSITE: www.q-o-l.com

EMAIL: info@q-o-l.com

Our name is our mission. As a company that provides clinically proven, safe nutritional supplements to improve your quality of life.


▷ BOOTH #1006
REBONSON

95 Oakland Rd., Ste. 2B
Lawrenceville, GA 30044
USA

PHONE: 770-825-0100

FAX: 770-849-9733

WEBSITE: www.rebonson.com

EMAIL: keithh@rebonson.com

We provide medical and aesthetic equipment with the satisfactory customer service.



▷ BOOTH #434

REGEN LAB

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland

PHONE: 41218643800

FAX: 41218643801

WEBSITE: www.regenlab.com

EMAIL: info@regenlab.com

RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

▷ BOOTH #857

REJUVENATE LIVING

4102 W. Linebaugh Ave.
Tampa, FL 33624
USA

PHONE: 813-802-9480

FAX: 813-960-3735

WEBSITE: www.myweightsense.com

EMAIL: gmed123@gmail.com

Rejuvenate Living Nutrition supports patient's healthy lifestyle. Our Anti-Aging approach focuses on sugar-free, low carb, low glycemic, low fat, high fiber and high protein delicious nutritional products.



▷ BOOTH #524

REGERON, INC.

103 BIO-2, Hi-Tech Venture Town 38 Gangbyun-Ro
Chunchon, Kangwon-Do 200-161
South Korea

PHONE: +82-33-258-6262

FAX: +82-33-258-6264

WEBSITE: www.regeron.com

EMAIL: dahlkyun@regeron.com

Regeron now introduces the rest of the growth hormone protein family, prolactin & placental lactogen, with their cosmeceutical potentials to the anti-aging community for the first time. Regeneration develops & produces anti-aging biotech products-especially proteins for cosmetic & pharmaceutical applications. The world-first developer of cosmetic hGH(human growth hormone) & discoverer of its authentic cosmeceutical efficacies.

▷ BOOTH #423

REJUVENATION SCIENCE

811 N. Catalina Ave., Ste. 3208
Redondo Beach, CA 90277
USA

PHONE: 888-737-3588

FAX: 310-374-9839

WEBSITE: www.rejuvenation-science.com

EMAIL: info@rejuvenation-science.com

Sophisticated supplements for anti-aging and regenerative medicine practices with top-rated Maximum Vitality® multivitamin. Manage systemic inflammation, lipid, BP and weight loss with Biom3ga™ krill oil, omega-3 fish oil, antioxidants and metabolic optimizer protocol for enhanced cardio, kidney & liver function with carnitine, ribose, CoQ10 ubiquinol. Advanced joint, vision, GI support and specialty products: Avemar, PsoriaGold.



► **BOOTH #245**

RELEANA® CORPORATION

4341 Birch St., Ste. 107
Newport Beach, CA 92660
USA

PHONE: 877-446-5803

FAX: 949-468-2890

WEBSITE: www.releana.com

EMAIL: jwestre@releana.com

Offering The Only Patented Sub-lingual Medical Grade hCG Weight Loss Program. Releana® adds profit to your bottom line, while offering consumers a rapid, simple innovative, effective weight loss solution that is safe and natural.



► **BOOTH #848**

RESEARCHED NUTRITIONALS

PO Box 224
Los Olivos, CA 93441
USA

PHONE: 800-755-3402

FAX: 805-693-1806

WEBSITE: www.researchnutritionals.com

EMAIL: dschoen@researchnutritionals.com

Clinically proven energy & immune products, including optimized RibosCardio - each serving contains ribose, L-carnitine, Acetyl L-carnitine, malic acid & magnesium, mitochondrial repair, 400mg CoQ10 & transfer factor for front line immune protection - Physicians Only.



► **BOOTH #259**

RENUA MEDICAL A HEALTH FIRST TECHNOLOGIES COMPANY

655 Hwy 50 E., Ste. 1
Dayton, NV 89403
USA

PHONE: 877-885-1258

FAX: 775-546-6156

WEBSITE: www.renuamedical.com

EMAIL: ccc@renuamedical.com

World's only True Tesla High Voltage (440Vs) Low Amperage (4.4mAs) AC output Neuromuscular Electrical Stimulator. Massive muscle contractions without pain/burns: FDA Registered. Expect stellar results for Diabetic Neuropathy, Incontinence, Spasms, Atrophy, Imbalances, Wounds – more!



► **BOOTH #341**

RHEIN CONSULTING LABS

4475 SW Scholls Ferry Rd., Ste. 101
Portland, OR 97225
USA

PHONE: 503-292-1988

FAX: 503-292-2012

WEBSITE: www.rheinlabs.com

EMAIL: ijn@rheinlabs.com

Rhein Consulting Laboratories is an independent, research-driven facility specializing in state-of-the-art, cost-effective assessment of sex and adrenal hormones. Assayed in urine, rather than saliva, RCL's results are clinically relevant, accurate, reproducible, and widely accepted scientifically.

Visit www.SecretropinRx.com to read the study and decide for yourself if SecretropinRx may be an **alternative to Growth Hormone**.

SecretropinRx

GH *Alternative*



Natural Alternative to Growth Hormone

- Amino Acid patented complex in an enhanced delivery vehicle
- Sold only by prescription or through a physician
- Monitor patient same as on GH
- For pituitary support

An Alternative to Growth Hormone.
SecretropinRx,
a *Secretagogue that Works!*

BUY **10** BOTTLES
and get the **SPECIAL**
SHOW PRICE!

VISIT
BOOTH #
207
FOR DETAILS

AVAILABLE AT UNIVERSITY SPECIALTY DRUGS
866-444-9475 EXT.334



UNIVERSITY
COMPOUNDING
PHARMACY
www.ucprx.com


▷ BOOTH #326
RLC LABS, INC.

28248 N. Tatum Blvd., Ste. B1-629
Cave Creek, AZ 85331
USA

PHONE: 877-797-7997

FAX: 602-276-1693

WEBSITE: www.rlclabs.com

EMAIL: rikikox@rlclabs.com

RLC Labs, Inc. is a pioneer in THYROID TREATMENT. We are proud to supply Nature-Throid™, the only hypoallergenic medication with a history of safety, efficacy, and consistent T3 and T4 content—unmatched in the industry.


▷ BOOTH #744
SAGE MEDICAL LABORATORY

1400 Hand Ave., Ste. L
Ormond Beach, FL 32174
USA

PHONE: 800-491-9511

FAX: 386-615-2027

WEBSITE: www.sagemedlab.com

EMAIL: sdantini@sagelab.com

Sage Medical Laboratory specializes in IgG and immune complex testing for delayed food sensitivities associated with chronic disease. Offering individualized dietary planning and personal support.


▷ BOOTH #726
ROYAL PALM COMPOUNDING PHARMACY

117 South State Rd. #7
Wellington, FL 33414
USA

PHONE: 561-784-0700

FAX: 561-784-0300

WEBSITE: www.royalpalmcompoundingpharmacy.com

EMAIL: info@rpcpharmacy.com

Royal Palm Compounding pharmacy specializes in the formulation of drugs that are not commercially available. Our pharmacists use state-of-the-art technology with FDA-approved chemicals so that your finished medication meets the doctor's exact specifications. It is our mission to provide the purest quality compounded prescriptions and maintain the highest level of patient safety.


▷ BOOTH #119
SANDSTONE MEDICAL TECHNOLOGIES

105 Citation Ct.
Homewood, AL 35209
USA

PHONE: 205-290-8251

FAX: 205-290-4269

WEBSITE: www.sandstonemedicaltechnologies.com

EMAIL: sandstonemike@bellsouth.net

Sandstone Medical Technologies provides aesthetic lasers at an AFFORDABLE price. Our product line includes: The Matrix Co2 for fractional skin resurfacing, The Whisper-3G for "Lunch time" LaserPeels, The Ultralight-Q for the removal of tattoos and The Cheveux for removal of unwanted body hair.

Medicine for the Skin



500 mg Capsules

Phyll

- Oral skin anti-aging formula
- Deep skin cellular renovation
- Reduces Wrinkles and fine lines



Kuhra 704

- Fast safe way of losing weight
- Lowers cholesterol and triglyceride levels
- Appetite decreased naturally



500 mg Capsules



Optimal Dermatological Therapy
www.kuhravital.ch
www.kuhravital.com



USA Manufacturer Under Exclusive
License of Kuhra Vital Switzerland
1.954.938.8828
www.kurabiolabs.com



Exclusive World-Wide Distributor
1.800.993.1252
www.biopharmainternational.com





▷ BOOTH #825

SANGEETA PATI, MD, FACOG

954 Lake Baldwin Ln.
Orlando, FL 32814
USA

PHONE: 407-478-9797

FAX: 407-478-9798

WEBSITE: www.sajune.com

EMAIL: zandrews@sajune.com

This program has been designed to teach clinicians how to restore optimal health through restoring hormones and nutrients, removing toxicities and rebalancing the mind and body. This is a 4 day preceptorship seeing and managing patients in our practice. A complete protocol book will be provided.



▷ BOOTH #359

SAUNARAY

864 Hurontario St.
Collingwood, ON L9Y 2M8
Canada

PHONE: 877-992-1100

FAX: not available

WEBSITE: www.saunaray.com

EMAIL: info@saunaray.com

SaunaRay builds North America's only medical-grade Anti Aging sauna. Low-heat sauna therapy is proven to eliminate toxic metals and complex chemicals. Remarkable results with skin, weight and mitochondrial health. Guaranteed toxin-free and hand-crafted in Canada



▷ BOOTH #815

SANTA BARBARA MEDICAL INNOVATIONS

5550 LBJ Freeway Ste. 800
Dallas, TX 75069
USA

PHONE: 214-722-9600

FAX: 214-889-5541

WEBSITE: www.sbmi.com

EMAIL: info@sbmi.com

Santa Barbara Medical Innovations (SBMI) is dedicated to bringing to market, proven, innovative health products that are safe and effective. Our revolutionary approach to working with physicians enhances practice profitability while eliminating the risk of an up front equipment investment.



▷ BOOTH #553

SCENAR HEALTH USA

2620 Regetta Dr., Ste. 102
Las Vegas, NV 89128
USA

PHONE: 702-553-1080

FAX: 702-537-5290

WEBSITE: www.scenarhealth.us

EMAIL: admin@scenarhealth.us

Scenar Health USA is dedicated to supporting health professionals in their pursuit of improved outcomes for their patients. We adhere to FDA regulations, have the full support of the importer and manufacturer and hire only certified, experienced RITM SCENAR trainers.



▷ BOOTH #807

SCIENTIFIC BIOLOGICS

28100 Bouquet Canyon Rd., Ste. 212
Saugua, CA 91350
USA

PHONE: 661-296-7400

FAX: 661-296-7409

WEBSITE: www.aerialdynamics.net

EMAIL: mike@aerialdynamics.net

Scientific Bio-Logics brings a distinct source to health science and distribution of nutritional supplements globally. With a well groomed and experienced team, we can ensure unparalleled customer support, product availability, and top notch fulfillment services.

Seroyal

▷ BOOTH #426

SEROYAL

827 N, Central Ave.
Wood Dale, IL 60191
USA

PHONE: 888-737-6925

FAX: 877-737-6925

WEBSITE: www.seroyal.com

EMAIL: sales@seroyal.com

Seroyal is a natural pharmaceutical company, dedicated to assisting healthcare practitioners restore, rebuild and maintain patient health. For increased patient retention, compliance and efficacy, Seroyal offers the unda®, GENESTRA BRANDS™ and Pharmax product lines.



▷ BOOTH #214

SCITON

925 Commercial St.
Palo Alto, CA 94303
USA

PHONE: 650-493-9155

FAX: 650-493-9146

WEBSITE: www.sciton.com

EMAIL: info@sciton.com

Sciton provides best-in-class laser and light source solutions for medical professionals who want superior durability, performance and value. We offer high quality, expandable platforms with modules for fractional skin resurfacing, superficial and deep skin peeling, laser-assisted lipolysis, wrinkle reduction, hair removal, treatment of vascular and pigmented lesions, phototherapy, scar reduction, and treatment of varicose veins and acne.



▷ BOOTH #1035

SLATE PHARMACEUTICALS, INC

318 Blackwell St., Ste. 240
Durham, NC 27701
USA

PHONE: 919-682-8800

FAX: 919-682-8809

WEBSITE: www.testopel.com

EMAIL: info@slatepharma.com

Testopel® is the first and only FDA approved, long-acting testosterone replacement. Only Testopel® delivers normalized T-levels for up to six months. Please visit our booth to learn more about the Testopel® Technique, reimbursement codes, and long-acting delivery. Call 866-SLATE 50 or visit www.Testopel.com


▶ BOOTH #849
SMART PUBLICATIONS

PO Box 4667
Petaluma, CA 94955
USA

PHONE: 800-976-2783

FAX: not available

WEBSITE: www.smart-publications.com

EMAIL: admin@smart-publications.com

Smart Publications™ - Clarifying the Complex World of Nutrition Science. The editors and researchers at Smart Publications review and analyze thousands of scientific studies per year succinctly capturing and summarizing the results of these studies into a monthly newsletter, and website updates.


▶ BOOTH #1027
SOTTOPELLE

8580 E. Shea Blvd., Ste 140
Scottsdale, AZ 85260
USA

PHONE: 877-476-8867

FAX: 480-941-1518

WEBSITE: www.sottopelletherapy.com

EMAIL: sprequest@sphrt.com

Specializing in Bio-Identical Hormone Replacement Therapy.

Health and Well Being Supplements.


▶ BOOTH #148
SOLANOVA, LLC.

7110 Redwood Blvd., Ste. A
Novato, CA 94945
USA

PHONE: 415-892-3880 x 113

FAX: 415-898-1666

WEBSITE: www.Solanova.com

EMAIL: Rick.Voorhees@Solanova.com

Solanova, LLC. is a direct manufacturer of Vitamin Supplements. We just introduced the only New Duo-Soluble Ubiquinol CoQ10 100mg called Super QNol. We also carry other Ubiquinol products, Carni QNol and Rubi QNol with Resveratrol. Please stop by the booth for more info and samples.


▶ BOOTH #615
SPECTRACELL LABORATORIES, INC

10401 Town Park Dr.
Houston, TX 77072
USA

PHONE: 800-227-5227

FAX: 281-564-0836

WEBSITE: www.spectracell.com

EMAIL: spec1@spectracell.com

SpectraCell Laboratories, Inc. utilizes advanced technology in intracellular nutritional testing, offers advanced assessment of cardiovascular risk through particle measurement and provides innovative diagnostic analyses in the field of anti-aging medicine through our exclusive Telomere Testing.



APOTHÉCURE, Inc.
Creative Custom Compounds

ApothéCure is one of the largest compounding pharmacies in the US and offers thousands of the highest quality custom compounds.

Products & Services

- **Heavy Metal Detox/Chelation/Autism**
- **Mesotherapy/Medical Spa/Dermatology**
- **Lyophilized Compounds - New!**
L-Glutathione, HCG, NADH & GHRH's. Challenge Us!
- **Natural Hormones/Sexual Health/Oxytocin**
- **Weight Management/HCG/Protocols**
- **Neurological/Brain/Cognition/Stress**
- **Pain Management**
- **Prolotherapy/Sports Medicine**
- **Thyroid/Adrenal/Glandular**
- **ALL Nutritional Injectables**
- **Preservative-Free Injectables**
- **3rd Party Pyrogen, Sterility and Potency Tested**

Use Code A4M11 to Receive \$50.00 Off Any Order of \$200.00 or More! Expires: 12-31-2011

(800) 969-6601 • (972) 960-6601

www.apothecure.com • pharmacist@apothecure.com

www.apothecure.com/apotheneews



► **BOOTH #457**

SPECTRON IR

115 W. Stewart Ave., Ste. 201
Medford, OR 97501
USA

PHONE: 541-494-1011

FAX: 541-772-7771

WEBSITE: www.spectronir.com

EMAIL: tcrandall@spectronir.com

Spectron IR is a premier medical infrared imaging company offering high quality thermography solutions for a variety of applications. Our dedication to quality and customer service are unsurpassed in the industry.



Ciencia & Tecnología aplicada a la belleza®
Science & Technology applied to beauty®

► **BOOTH #237**

STARBENE

David Luque 519
Cordoba,
Argentina

PHONE: 543514240051

FAX: 543514247750

WEBSITE: www.starbene.com

EMAIL: manager@starbene.com

Starbene has a 36 year trajectory in the world's esthetic market. With a development of more than 60 options in advanced equipments for medical esthetic treatments and presence in 28 countries and 4 continents.



► **BOOTH #127**

STANDARD PROCESS INC.

1200 W. Royal Lee Dr.
Palmyra, WI 53156
USA

PHONE: 800-848-5061

FAX: 262-495-3069

WEBSITE: www.standardprocess.com

EMAIL: marketing@standardprocess.com

Standard Process-Quality from Seed to Supplement™
Since 1929, Standard Process has provided health care professionals with high-quality, nutritional whole food supplements manufactured to preserve the quality of their constituents using research, innovative technology, and certified organic farming.



STEM CELL INSTITUTE

► **BOOTH #658**

STEM CELL INSTITUTE

Via Isreal and Calle 66, PH Pacific Plaza Office 2B
Punta Pacifica, Panama City
Panama

PHONE: +57-270-4649

FAX: 866-755-3951

WEBSITE: www.cellmedicine.com

EMAIL: melisa@cellmedicine.com

Stem Cell Institute is one of the leading adult stem cell research and treatment centers in the world. Using our pioneering treatment methods and utilizing partnerships with universities and physicians across the world, Stem Cell Institute has already treated over 800 patients and the company continues to expand. Stem Cell Institute is located in Panama City, Panama.

Make Your Mark! The Future of Medicine is Here...



Enroll today in the
Fellowship in Anti-Aging Regenerative
& Functional Medicine.



Criteria for completion of the Fellowship includes completion of 8 module series with extensive case histories:

Module I:

A Regenerative and Functional Approach to Endocrinology

Module II:

A Regenerative and Functional Approach to The Treatment of Hypertension, Diabetes, and Coronary Artery Disease and Metabolic Syndrome

Module III:

A Regenerative and Functional Approach to Gastroenterology, Neurotransmitters, and Neurology

Module IV:

A Regenerative and Functional Approach to Amino Acid and Fatty Acid Metabolism, Drug-Induced Nutrient Depletion, ADD/ADHD, Spirituality, Osteoporosis and Nutrition

Module V:

Clinical Intensive: Case Studies in Anti-Aging Medicine and Implementation of these Treatment Modalities into Everyday Practice

Module VI:

Nutrigenomics and The Functional Regenerative Matrix

Module VII:

Mitochondriopathy, Advanced Nutrigenomics, A Regenerative and Functional Approach to Autoimmune Diseases and Cognition Enhancement

Module VIII:

Genomics and Proteomics, A Regenerative and Functional Approach to Psychiatry and Cancer Therapies, Nutrition and the Athlete, A Regenerative and Functional Approach to Laboratory Evaluations



In this age of consumer awareness, it is critical for anyone who wishes to practice Anti-Aging Medicine – the fastest growing medical specialty – to have their credentials in order. The A4M offers an elite Fellowship Program in Anti-Aging Regenerative Medicine that will give you the knowledge needed to run a successful Anti-Aging practice.

Additional features

- You will be involved in 40 interactive web broadcasts with leading professionals in Anti-Aging and Regenerative Medicine so that you will have on-going feedback from experienced clinicians.
- Extensive case studies will be included with each module.
- Open to physicians, physician assistants, nurse clinicians, pharmacists, chiropractors and D.D.S.

CALL TODAY TO RESERVE YOUR SEAT

1-888-997-0112

www.worldhealth.net


▷ BOOTH #758
STEM CELL MASK, LLC

200 Cordin Pl., Ste. 3R
Brooklyn, NY 11235
USA

PHONE: 212-521-4310

FAX: 347-342-3030

WEBSITE: www.stemcellmask.com

EMAIL: sales@stemcellmask.com

Stem Cell Mask, LLC is a global specialty cosmetics company that develops, manufactures, and markets, skin care products to doctors who specialize in dermatological, aesthetic, and cosmetic procedures. All of our products are manufactured to the highest standards and compliant with all FDA and cGMP requirements.


▷ BOOTH #357
SUN CHLORELLA USA

3305 Kashiwa St.
Torrance, CA 90505
USA

PHONE: 800-829-2828 x 2604

FAX: 310-891-0621

WEBSITE: www.sunchlorellausa.com

EMAIL: neffron@sunchlorellausa.com

Provide your clients with Sun Chlorella's line of premiere, natural, health-boosting products. Sun Chlorella is cGMP certified in Japan and is the number one choice of a green food supplement by many health care professionals.


▷ BOOTH #622
STEM CELL PRODUCTS, LLC

3350 Palms Center Dr.
Las Vegas, NV 89103
USA

PHONE: 702-949-5995

FAX: not available

WEBSITE: www.stem120.com

EMAIL: teri@stem120.com

Stem Cell Products LLC, a science-based company, owns proprietary peptide and stem cell extract technologies. We have gathered some of the top specialists in the field of anti-aging and the resources to develop some of the most advanced concepts in natural health enhancement, age reversal and cell rejuvenation.


▷ BOOTH #750
SYNERGY 5 STAR

5255 W. 11000 North, Ste. 225
Highland, UT 84003
USA

PHONE: 801-770-6896

FAX: 801-492-4846

WEBSITE: www.zerostrokes.com

EMAIL: dave@team5starglobal.com

Pulse Wave Analysis is an invaluable tool in early detection of Cardio Vascular Disease. Add \$2,000 to \$20,000 a month to your bottom line. Come to booth #750 and let us show you how.



▷ BOOTH #111

SYNERON

3 Goodyear, Unit A
Irvine, CA 92618
USA

PHONE: 866-259-6661

FAX: 949-716-6555

WEBSITE: www.syneron.com

EMAIL: info@syneron.com

Syneron manufactures & sells non-ablative to ablative medical aesthetic devices that use a wide variety of energies including Syneron's signature elôs technology—the only combined energy platform that effectively treats dermatological conditions including wrinkles, pigmentation, skin laxity, acne, rosacea, hair removal, vascular lesions, cellulite & circumferential reduction. The newly introduced Sublation rejuvenation is the 1st non-laser, non-light device FDA cleared for fractional resurfacing.

▷ BOOTH #228

TAKE SHAPE FOR LIFE BY WEIGHTLOSS-DOCTOR.NET

135 S. Sierra Ave., Ste. 2
Solana Beach, CA 92075
USA

PHONE: 858-509-1778

FAX: 858-683-2222

WEBSITE: www.newhealthprofessional.com

EMAIL: info@newhealthprofessional.com

We specialize in helping health professionals implement the turnkey clinically proven Take Shape for Life Weight Management & Optimal Health program. We provide FREE comprehensive training & marketing strategies that generate additional income while offering this valuable.



▷ BOOTH #550

TA SCIENCES

24 E. 64th St., 5th Floor
New York, NY 10065
USA

PHONE: 212-588-8805

FAX: 212-588-0058

WEBSITE: www.tasciences.com

EMAIL: tasciences@tasciences.com

T.A. Sciences is the only company offering a telomerase activator, TA-65®, a single molecule nutritional supplement. Results show improvements in energy levels, immune system, bone density and overall health.

▷ BOOTH #1022

TDP GLOBAL HEALTH & WELLNESS, INC.

PO Box 78
Somers Point, NJ 08244
USA

PHONE: 888-992-5528

FAX: 609-385-4199

WEBSITE: www.alkav.com

EMAIL: info@alkav.vom

ALKA-V is a proprietary composition of Modified Liquid Silicate with a pH of 13.7 that facilitates ways for cells to acquire balance. The in-vivo abstracts will be certified and sent for peer review in November, 2010.


▷ BOOTH #556
TERRA BIOLOGICAL LLC

5033 Seachase St.
San Diego, CA 92130
USA

PHONE: 858-947-5722

FAX: 888-850-3455

WEBSITE: www.benagene.com

EMAIL: acash@benagene.org

“benaGene” oxaloacetate increases lifespan by 25%, $p < 0.001$ (Aging Cell 2009, Longevity Science 2009). A true anti-aging compound, this natural bio-identical human metabolite is a must for any anti-aging practitioner. Wholesale accounts available for professionals.


▷ BOOTH #859
TRANSDERMAL CAP, INC.

920 Chestnut Run
Gates Mills, OH 44040
USA

PHONE: 440-241-1846

FAX: 860-201-1846

WEBSITE: www.lasercap.us

EMAIL: rabin@lasercap.us

The manufacturer of the Laser Cap for patients with thinning hair. This offers physicians the ability to treat patients at home and still offer them the power of an in-office clinical unit.


▷ BOOTH #939
THE AMERICAN CHIROPRACTOR

8619 NW 68th St., Ste 138
Miami, FL 33166
USA

PHONE: 888-668-8728

FAX: 305-716-9212

WEBSITE: www.TheAmericanChiropractor.com

EMAIL: info@amchiropractor.com

THE AMERICAN CHIROPRACTOR MAGAZINE is dedicated to the continuing education and advancement of the Chiropractic Professional — YOU!


▷ BOOTH #207
UNIVERSITY COMPOUNDING PHARMACY

1875 3rd Ave.
San Diego, CA 92101
USA

PHONE: 619-683-2005

FAX: 619-683-2008

WEBSITE: www.ucprx.com

EMAIL: joe@ucprx.com

UCP is a compounding pharmacy that is board accredited by PCAB. This certification assures that you are getting the highest quality compounds. UCP compounds a wide variety of compounded medications used in the age management market. We deliver anywhere in the USA. See our website at www.ucprx.com.

Start your own successful cash practice or turn an average practice into a goldmine!

Discover the turn-key secret to success

For more information please call: (310) 375-2705
Contact: Punej or visit www.HoltorfMed.com/Franchise
Booth #626



Become a Holtorf Medical Group Center

We are a leader in innovative and integrated treatments for age-related hormonal deficiencies with bioidentical hormones, thyroid dysfunction, complex endocrine dysfunction, fibromyalgia, chronic fatigue syndrome, infectious diseases and age-management medicine, with patients traveling across the country and the world for therapy.

We would like to share our knowledge and systems to allow you to practice medicine the way you have always envisioned; being able to apply cutting-edge medical knowledge to do what is best for your patients (not just what the insurance company allows you to do), earning an excellent income without the need to take insurance and having the satisfaction of helping patients who have not been helped elsewhere. The systems and marketing are also designed for you to add additional doctors to your practice to significantly boost your income.



HOLTORF MEDICAL GROUP, INC.

CENTER FOR HORMONE IMBALANCE, HYPOTHYROIDISM AND FATIGUE

We offer a complete turn-key, cash only affiliate practice and employment opportunities, including:

- Effective national and local marketing program
- Experienced call center to field new patient calls
- Proven success in methods and systems
- Extensive initial and on-going training of physician
- Advanced proven protocols
- Extensive one-on-one mentoring
- Management systems
- Key office staff training
- Forms
- Custom private label supplements below wholesale costs
- Volume discounts on dispensed medications
- National and regional public relations
- Software programs
- And much more. **We provide everything you need to help you have a successful and lucrative practice and be a leader in the field.**

Come join us Thursday, December 9th from 6:30-7:30pm in Islander Ballroom G for an informational seminar with hors d'oeuvres and wine or stop by booth 626 for more info.


▶ BOOTH #424
US BIOTEK LABORATORIES

13500 Linden Ave. N.
Seattle, WA 98133
USA

PHONE: 877-318-8728

FAX: 206-363-8790

WEBSITE: www.usbiotek.com

EMAIL: info@usbiotek.com

COLA Laboratory Award of Excellence recipient. Leader in ELISA-based testing; IgA/IgE/IgG for Foods/Inhalants/Common Analgesics, Candida & Celiac. Metabolic Profiling, Environmental Pollutants & Steroid Hormone testing from urine via GC/MS & LC/MS/MS. CLIA-certified & accredited, COLA-compliant & CAP-surveyed. Competitively Priced. Innovative Specimen Collection Technologies "No Liquid Specimen Required for most assays." Serving the World.


▶ BOOTH #948
VAX-D MEDICAL TECHNOLOGIES

310 Mears Blvd.
Oldsmar, FL 34677
USA

PHONE: 813-343-5000

FAX: 813-343-5005

WEBSITE: www.vaxd.com

EMAIL: sales@vaxd.com

VAX-D (Vertebral Axial Decompression) therapy is a non-surgical, non-invasive treatment for those suffering from chronic and severe neck and back pain.


▶ BOOTH #1045
US JACLEAN, INC.

1816 W. 135th St.
Gardena, CA 90249
USA

PHONE: 310-538-2298

FAX: 310-538-4521

WEBSITE: www.usjaclean.com

EMAIL: sales@usjaclean.com

US Jaclean Inc. is an importer of health and massage products. We have been in business for over 20 years selling the finest in Massage chairs.


▶ BOOTH #924
VIORA

30 Montgomery St., Ste. 660
Jersey City, NJ 07302
USA

PHONE: 201-332-4100

FAX: 201-332-4200

WEBSITE: vioramed.com

EMAIL: info@vioramed.com

Viora is a market-leading manufacturer of advanced radiofrequency, light-based systems and Diamond Tip microdermabrasion for the global aesthetic and medical markets. Viora's products are developed by veteran engineers and medical specialists in the industry.



▶ BOOTH #723

VITAL CHOICE

PO Box 4121
Bellingham, WA 98227
USA

PHONE: 800-608-4825

FAX: 360-715-2966

WEBSITE: www.vitalchoice.com

EMAIL: info@vitalchoice.com

We capture the fresh-caught quality of fine, sustainably harvested Alaska Salmon and other Alaska and northwest Pacific seafood and deliver it right to your door.



▶ BOOTH #307

VITAMIN RESEARCH PRODUCTS

4610 Arrowhead Dr.
Carson City, NV 89706
USA

PHONE: 800-877-2447

FAX: 775-884-1331

WEBSITE: www.cpmedical.net

EMAIL: mail@cpmedical.net

Complementary Prescriptions™, the Medical Division of Vitamin Research Products® is a GMP certified manufacturer exclusively serving health-care professionals since 1979. We offer 300+ high quality, innovative formulas in capsules, liquids, powders and liquid filled caps.



▶ BOOTH #323

VITAL NUTRIENTS

45 Kenneth Dooley Dr.
Middletown, CT 06457
USA

PHONE: 888-328-9992

FAX: 888-328-9993

WEBSITE: www.vitalnutrients.net

EMAIL: shannon@vitalnutrients.net

VITAL NUTRIENTS is the manufacturer of high quality nutritional supplements with clinically effective products sold exclusively to health-care professionals. All of our supplements are manufactured in an FDA inspected facility in the United States, and we are independently certified by NPA.



▶ BOOTH #814

WEBTOMED

2700 S. River Rd., Ste. 100
Des Plaines, IL 60018
USA

PHONE: 866-999-8550

FAX: 773-913-6478

WEBSITE: www.webtomed.com

EMAIL: info@webtomed.com

WebToMed specializes in medical website design, e-Commerce, and Internet marketing. We help anti-aging professionals, physicians, clinics, medical spas, labs, and pharmacies with marketing their services and selling products online.



▶ BOOTH #540

WELLESLEY THERAPEUTICS, INC.

200 Gerrard St. E, Ste. 307
Toronto, ON M5A 2E6
Canada

PHONE: 866-359-5290

FAX: 877-558-5509

WEBSITE: www.ultimateglucosamine.com

EMAIL: sales@wellesleytherapeutics.com

Ultimate Glucosamine®: A 100% pure N-Acetyl-D-Glucosamine. No salts, No additives, No preservatives. Just a simple once-a-day formulation that is very easy to take with your favorite hot or cold beverage.



Women's International Pharmacy

▶ BOOTH #729

WOMEN'S INTERNATIONAL PHARMACY

2 Marsh Ct.
Madison, WI 53718
USA

PHONE: 800-279-5708

FAX: 800-279-8011

WEBSITE: www.womensinternational.com

EMAIL: info@womensinternational.com

Since 1985, Women's International Pharmacy has specialized in custom compounded bioidentical hormone prescriptions for men and women. Women's International Pharmacy is a trusted source for practitioners and their patients. Our pharmacy provides quality compounded prescriptions, excellent customer service, consulting services, and upon request, educational information on hormone therapies.



▶ BOOTH #448

WILEY SYSTEMS

PO Box 23932
Santa Barbara, CA 93121
USA

PHONE: 805-565-7508

FAX: 805-456-3939

WEBSITE: www.thewileyprotocolsystems.com

EMAIL: caren@thewileyprotocol.com

Wiley Systems unites 60 pharmacies, 350 providers on four continents in a common goal to standardize bio-identical hormones for academic research. Wiley Systems offers customized packaging designed to increase patient compliance and accurately titrate dosing for the Wiley Protocols. Pharmacies that join us are eligible for future NIH study.



▶ BOOTH #522

WORLD HEALTH PRODUCTS, LLC

12685 South 125 East
Draper, UT 84020
USA

PHONE: 877-656-4553

FAX: 801-984-1161

WEBSITE: www.detoxamin.com

EMAIL: support@detoxamin.com

World Health Products is the maker of Detoxamin, the world's leader in suppository chelation therapy proven by published clinical scientific research for bioavailability, absorption and tissue penetration, as well as symptom reduction in chronic illnesses.

**CLINIC
BASED IN
VENICE, ITALY**



**TRAINING
CERTIFICATION
& CONTINUING
EDUCATION**

AFFILIATED WITH:



ANTI-AGING
TRAINING

TRANSFORM YOUR KNOWLEDGE INTO CLINICAL SKILLS WITH THE 4 DAY PRECEPTORSHIP IN ANTI-AGING MEDICINE!

The Applied Clinical Training in Anti-Aging & Regenerative Medicine is an innovative 4-day Hands-On training taking place at a state-of-the art A4M Affiliated Anti-Aging Clinic (ISMERIAN) located near **Venice, Italy**.

- UPCOMING DATES INCLUDE:**
- 16 - 19 February 2011
 - 8 - 11 June 2011

FOR MORE INFORMATION:

WEB: WWW.ANTI-AGINGTRAINING.COM

OR EMAIL: INFO@ANTI-AGINGTRAINING.COM OR PHONE: +44 (0)208 846 2909


▷ BOOTH #741
XION MEDICAL, INC

216 Willis Ave.
Roslyn Heights, NY 11577
USA

PHONE: 800-417-2040

FAX: not available

WEBSITE: www.xionmedical.net

EMAIL: info@xionmedica.net

XION Medical markets scientifically founded nutraceuticals & noninvasive diagnostic devices to physicians focused on comprehensive care. EDOX is a natural patented formula proven to enhance sexual & endothelial function. EndoPAT2000, a noninvasive FDA approved medical device to assess endothelial function, w/scientific literature attesting to its accuracy & predictability as an early marker of cardiovascular disease.


▷ BOOTH #657
YOU TEST YOU CANCER ASSESSMENT

6777 Nancy Ridge Dr.
San Diego, CA 92121
USA

PHONE: 877-496-8837

FAX: not available

WEBSITE: www.youtestyou.com

EMAIL: info@youtestyou.com

A new blood test is available to aid physicians in cancer detection and monitoring. Being proactive about detecting cancer early is an important step in fighting this devastating disease. The You Test You™ Cancer Assessment can provide evidence of 20 different cancer types in one simple blood test. Catch cancer earlier and enhance the chance of successful treatment and outcome.


▷ BOOTH #627
YODLE

50 W. 23rd St., Ste. 401
New York, NY 10010
USA

PHONE: 646-753-6312

FAX: not available

WEBSITE: www.yodle.com

EMAIL: shows@yodle.com

Yodle, a leader in local online advertising, connects thousands of local businesses with consumers in a process so simple and cost-effective that business owners can't imagine any other way to advertise. Yodle has developed an integrated approach to signing up and serving local businesses that are transitioning their marketing budgets online.


▷ BOOTH #629
YOURCITY.MD

209 S. West St.
Mason, OH 45040
USA

PHONE: 877-796-8724

FAX: 513-766-3766

WEBSITE: www.YourCity.MD

EMAIL: Joe@YourCity.MD

.MD is the new domain just for medical application. Every city has its own site (e.g. LasVegas.MD, NYC.MD). You can be your city's local expert and raise your internet profile. It's the place where every doctor and hospital needs to be seen.



ZYTO

▷ BOOTH #535

ZRT LABORATORY

8605 SW Creekside Pl.
Beaverton, OR 97008
USA

PHONE: 866-600-1636

FAX: 503-466-1636

WEBSITE: www.zrtlab.com

EMAIL: info@zrtlab.com

ZRT is a leader in hormone and wellness testing, through the use of cutting edge technologies developed specifically for processing and analysis. ZRT provides saliva and blood spot testing through a network of domestic and international providers specializing in health and hormone wellness.

▷ BOOTH #149

ZYTO

387 S. 520 West St., Ste 200
Lindon, UT 84042
USA

PHONE: 866-369-2265

FAX: 866-276-8997

WEBSITE: www.zyto.com

EMAIL: info@zyto.com

Zyto Corp was founded by its CEO Dr. Vaughn R Cook, OMD. The company designs and builds computer technology to facilitate decision making about healthcare and wellness options. Zyto's product mix includes the Pro, Balance and EVOX, sold exclusively to healthcare professionals.

Randall E. Merchant, Ph.D.
Presents:

Detoxification of Chemicals and Heavy Metals with Chlorella

At A4M Conference: Friday, December 10, 2010 | 2:30 – 3:00pm

- Chlorella, a unicellular green alga that grows in fresh water is particularly rich in chlorophyll, proteins, carbohydrates, vitamins, minerals and phytochemicals.
- Chlorella is a whole food and research has shown that daily consumption provides many healthful benefits.
 - Research has shown that Chlorella's chlorophyll binds to dioxins and other environmental chemicals preventing them from being absorbed. This in turn prevents these chemicals from binding to and damaging DNA.
 - Chlorella can be considered a "functional food" in that it provides the body with a stunning amount of nutrients that are naturally balanced while at the same time protecting the body from the harmful effects of chemical toxins and heavy metals.



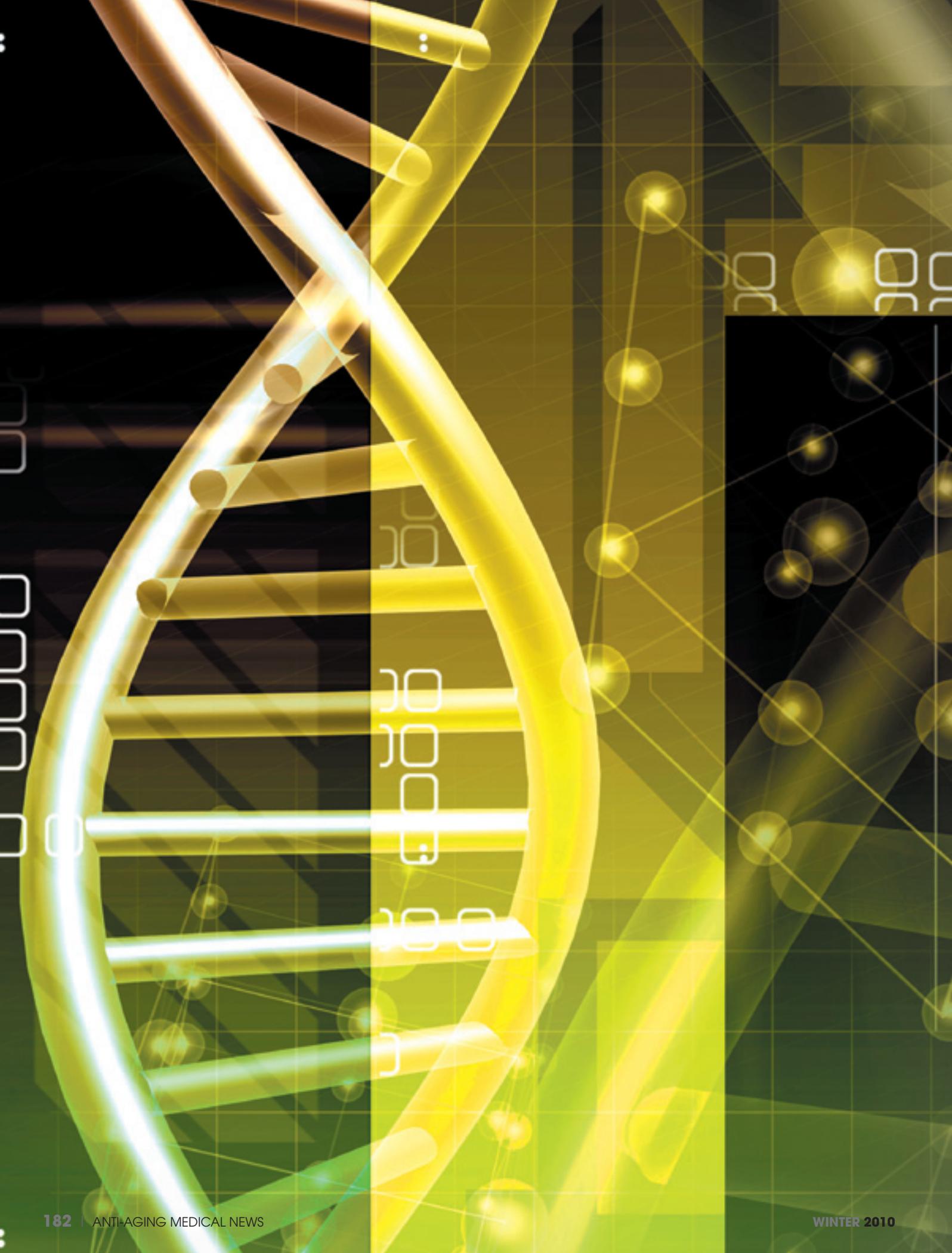
About Dr. Merchant:

As a Professor of Anatomy and Neurosurgery at Virginia Commonwealth University in Richmond, Dr. Merchant has been active in both laboratory and clinical research for more than three decades. He has published nearly 100 articles and chapters, and conducted several clinical investigations of chlorella in patients with chronic illnesses and cancer. He holds Doctoral and Master of Science degrees from the University of North Dakota.



**Visit us at:
Booth # 357**
www.sunchlorellausa.com

A4M1210



Telomeres and *Telomerase* as Natural Therapeutic Targets

By Stephen Holt, MD*, Distinguished Professor of Medicine
(Emeritus), Scientific Advisor, Natural Clinician LLC



Introduction

The Nobel Prize for Medicine (2009) was awarded to EH Blackburn, CW Greider and JW Szostak for scientific research on telomeres and their controlling enzyme telomerase (www.nobelprize.org). Research into the biological significance of telomeres and telomerase has proceeded at a frenetic pace over the past couple of decades. This area of science remains “embryonic”, but it holds the promise of providing new frontiers and foundations for the understanding of the emergence of chronic disease, cancer and aging. The purpose of this article is to highlight concepts that are most relevant to the introduction of a natural clinical protocol to support the structure and function of telomeres.

The Basics

Telomeres are DNA caps on linear chromosomes that function to prevent aberration or loss of genetic information during cell division(1-4). These “protective regions” of DNA shorten with repeated cell division in somatic cells. The enzyme telomerase (a reverse transcriptase) acts to extend telomeres and reduce their attrition.

Shortened telomeres may reach a point where they cannot support normal division of chromosomes, resulting in cell senescence (replicative arrest) and abnormal chromosomal function. These changes can result in altered or loss of normal functions of genes, cancer propagation, immune dysfunction, aging of tissues and the emergence of chronic disease(5-12).

If telomere shortening correlates with age and telomerase can sustain or lengthen telomere, then simple logic dictates that interventions to modulate the telomere/telomerase “duo” present a promising and novel strategy for anti-aging or disease prevention or treatment. While tampering with telomeres and telomerase enchants many scientists and clinicians, matters are not quite as simple as some individuals may have hitherto supposed.

Observations on Telomere Tampering

Telomere length and telomerase expression appear to be linked in many, but not all studied species of life(1-10). While telomeres shorten with age, some people start with longer telomeres than others. Shortened telomeres tend to “push” a cell towards senescence prior to apoptosis (cell death) and this chain of events can be variably corrected in vitro and/perhaps, in a safe manner, in vivo.

Telomerase activity may lengthen telomeres, but this enzyme is found to be expressed preferentially in cancer, certain germ cells and stem cells (immortal cells). This leaves an unanswered question “will direct telomerase induction lead to cancer?” We know relatively little about selective telomerase enhancers and this selective approach for telomere support is an important target for pharmaceutical or nutraceutical development as the potential longevity promoting properties

of telomere support emerge (1-10).

Shortened telomeres exert a “telomere position effect” which alters genetic expressions at the cellular level. In this circumstance, DNA repair genes do not exert optimum function and those genes that promote cellular aging may emerge. The aging cell with its shortened telomere, seems to lead to a circumstance that facilitates or favors mistakes. However, one must pause and think about the induction of cellular senescence with age as a potential defense mechanism against the occurrence of age-related cancer. Senescence and apoptosis serve both aging and disease prevention options. The gene that regulates telomerase expression is “silenced” in healthy cells. “Switching on” or “switching off” this gene, to a variable degree, is possible by genetic manipulations and the administration of certain compounds.

Telomere loss or compromise is not consistently shown to be telomerase dependent and it may not always show a linear relationship with advancing years. For example, loss of telomere length is accelerated in childhood (up to the age of 20 years) and in the elderly (greater than 65 years). While telomerase is not expressed in most somatic cells, some cells (expanding immunocytes, germ cells and cancer cells) express high levels of telomerase. Does telomerase shortening in laboratory tests of white blood cells (T-lym-

phocytes) mirror telomere shortening in other cell types? Further research is required(1-17).

Telomeres loss is associated with sedentary lifestyles, oxidative stress, cancer, insulin resistance and chronic inflammatory disease...to name a few disorders, but some degree of “chicken and egg” arguments prevail. To add to the conundrum, laboratory studies of germinal centers, that produce B cells (lymphocytes), show that telomere length can increase, in spite of intense cell replication. Furthermore, some studies imply that telomere loss may not always exhibit a clear correlation with certain cells history of replicative activity. These factors, and other concerns, may question the sensitivity and specificity of some measures of telomere length as a reliable measurement of physiological age(1-20).

A general consensus has emerged that telomere length has reasonable clinical predictive value, but it is only one of several useful biomarkers of age e.g. immune function or the detection of immune senescence. That said, immune senescence seems to be closely related to telomere shortening. The presence of high numbers of certain T-lymphocytes (CD8 and CD28+) in elderly individuals is associated with blunted immune response and this circumstance has been labeled as an “immune risk phenotypes” that a predictor of all causes of mortality in the elite elderly >80 years of age(10-13). Telomerase induction may be a solution to this “immune risk phenotype”.

The telomere/telomerase literature is replete with promises of the potential benefit of targeted therapeutic interventions(1-17). While no pharmaceutical is approved for telomere modulation, natural approaches are emerging with the use of specific dietary supplements (e.g. Astragalus extracts). While this long term safety or efficacy of nutraceutical interventions for telomere support remains unknown, the desirability of telomere retention or lengthening strategies are so appealing that the use of safe and simple strategies to achieve this outcome seems to be a reasonable intervention.

I propose that this therapeutic approach with a natural protocol for “telomere support” that can be applied with optimistic caution by healthcare

TABLE 1: Factors that alter telomere length. The asterisk (*) denotes somewhat amenable to intervention (References 1-17)

| FACTOR | COMMENT |
|---------------------------|---|
| GENDER | Tend to be longer in women |
| AGE | Children have longer telomeres |
| AGE OF PARENTS | Older parents may deviate shorter telomeres to their offspring (e.g. Dolly the sheep) |
| SEDENTARY LIFESTYLES* | Exercise tends to cause retained telomere length |
| CHRONIC INFLAMMATION* | Clear evidence e.g. rheumatoid disease |
| OXIDATIVE STRESS* | Emerging studies on antioxidants for retention of telomeres |
| MENOPAUSE AND ANDROPAUSE* | Predictable loss of telomere length with milestones of aging. Hormone dependency of telomere length discovered. |
| TELOMERASE* | Activity can be induced |
| INSULIN RESISTANCE* | Emerging association with telomere shortening. Metabolic Syndrome X and Type 2 Diabetes are clearly a disorder of premature aging. |

TABLE 2: An emerging evidence base for nutraceuticals that support the structure and function of telomeres.

| NUTRACEUTICAL | EVIDENCE-BASE-FOR USE |
|---------------------|--|
| ASTRAGULUS | Astragalosides (cycloastragenol) or the specific molecule TA-65 are proposed as telomeres. A clinical trial that showed improvements in immune function, eyesight, sexual function and skin color characteristics. (Reviewed at TAsciences.com accessed February 6, 2010). |
| OMEGA 3 FATTY ACIDS | In a group of patients with coronary heart disease there was an inverse relationship between blood levels of marine omega 3 fatty acids and telomere shortening over a five-year interval. (Raimin F, et al, JAMA, 303, 250-257, 2010) |
| ANTIOXIDANTS | The rate of telomere shortening is modulated by oxidative stress (certain in vitro) (Saretzki G, Von Zglinicki, T, Ann NY Acad Sci, 959, 24-9, 2002). Breast cancer risk may be affected by telomere length in women with low intake of antioxidants or antioxidant supplements (Shen J et al, Int. J. Cancer, 124, 1637-43, 2009) |
| VITAMIN D | Higher Vitamin D concentrate in serum is associated with longer telomere length (Richards JB et al, Am. J. Clin. Nutr., 86, 5, 1420-1425, 2007) |
| FOLATE/B12 | Folate status alters telomere length in a non-linear manner probably by its effects on the integrity of DNA and epigenetic influences (Cattaneo PL, et al, J Nutr., 139, 7, 1273-1278, 2009) Plasma homocysteine elevation due to folate and vitamin B12 deficiency is associated with decreased telomere length in older males (Bull CF et al, Rejuvenation R. Sep. 28, 2009) |
| NICOTINAMIDE | Nicotinamide extends the lifespan of human fibroblasts as a presumed consequence of reduced mitochondrial production of reactive oxygen species (Kang HT et al, Aging Cell, 5, 423-36, 2006) |
| MULTIVITAMINS | Epidemiological evidence associates multivitamin use with longer telomere length (Xu, Q et al, Am J Clin Nutr. 89, 6, 1857-63, 2009) |
| CHINESE GINGER ROOT | Evidence is emerging that ginger root may support telomerase lengthening and have other beneficial actions. |
| ALPHA-TOCOPHEROL | Demonstrated to inhibit telomere shortening and retain telomerase activity in microvascular endothelial cells in the brain. (Tanaka Y et al, J. Cell Biochem, 102, 3, 689-703, 2007) |
| N-ACETYLCYSTEINE | N-acetylcysteine blocks the nuclear export of h TERT into cell cytoplasm and delays replicative senescence of endothelial cells that are attracted by reactive oxygen species (Haendeler J, et al Clin. Res, 94, 768-775, 2004) |
| STATINS | Treatment with statins increases lymphocyte telomere length (Brouillette SW et al, Lancet, 39, 107-114, 2007) Statins interfere with redox balance of endothelial cells (Haendeler J et al, Clin Res, 94, 768-775, 2004) and (Spyridopolens I, et al circulation, 110, 3136-3142, 2004) |
| GINGKO BILOBA | Extracts of Gingko biloba extracts have been show to delay the onset of cellular senescence by activating P13k/Akt signaling pathways that augment telomerase activity (Xu D et al, D X et al, J Cardiovasc. Pharmacol, 4-9,111-115, 2007). |

givers. I recommend patient monitoring and surveillance with this novel intervention strategy. However, the protocol that I suggest involves nutritional support and multipronged interventions using natural approaches that have an established precedent of safety. In the essence of any longitudinal safety or efficacy studies outcome should be monitored on an individual basis by a care-giver.

Chemical Telomere Support

Processes that may increase loss of net telomere length or rebuilding of a shortened telomere (Table 1). Several factors act to shorten telomere length, some are amenable to intervention as shown in Table 1.

Telomere Support Protocol

Research data and clinical outcome observations permit the recommendation of a clinical protocol for telomere support (References 1-17 and Table 2). The existence of other “natural protocols” for telomere lengthening may be superseded by a more comprehensive approach to telomere support and age management. This proposed protocol for the natural clinician is best summarized in line item statements:

- **Initial telomere testing** is recommended. There are laboratories across the US that offer telomere testing. These laboratories provide a “telomere score”, by measuring telomere length on T lymphocytes. The score is derived from comparisons of the measurement to results obtained from the American population within the same age range. This test is generally accepted as an efficient method to assess biological age (with certain reservations) and it can be interpreted with other biomarkers of aging e.g. cardiorespiratory functions, skin characteristics, eyes, renal function, immune function, sexual functions etc. Interval telomere scores may be obtained on an annual basis and biomarkers of aging can be monitored regularly by the caregiver.
- **Lifestyle Change** Many positive lifestyle changes may inhibit



Ginkgo biloba extracts, Astragalus extracts and perhaps Chinese ginger root have been proposed as botanical approaches that may activate telomerase. The Astragalus extract showed an ability to enhance immune function (a known consequence of the use of Astragalus species) and improve certain biomarkers of aging.

telomere shortening. These include optimum nutrition, weight control, stress reduction, withdrawal of substances of abuse (simple sugar, tobacco, alcohol, unnecessary prescription or over the counter or illicit drugs) and the restoration of normal sleep patterns (Table 1).

- **Dietary Supplements** A number of nutraceuticals are associated with supporting telomere structure and function including, specifically: extracts of Ginkgo biloba, Astragalus, Chinese Ginger root, vitamin D, folic acid (and perhaps Vitamin B12), nicotinamide and omega 3 fatty acids (Table 2). Studies imply that taking multivitamins and or antioxidant use may be associated with enhanced telomere length or interference with telomere shortening. Elevated levels of blood homocysteine should be addressed (Folic acid, Vitamin B12 etc.).

Dietary supplementation is not a substitute for specific dietary guidelines in the quest for telomere support. In brief, the anti-aging, telomere supporting diet should involve:

- Reductions in simple carbohydrate intake with increase in dietary fiber intake (to counter insulin resistance).

- Nutrient dense food selections that are low in calories. Calorie restriction enhances maximum and average lifespan and this process may be enhanced by the use of calorie restriction mimetic compounds.
- High antioxidant load in a diet rich in fruit and vegetables. Multivitamins taken in greens, berries, fruit and vegetable mixes are a preferred form of general nutritional support. Phytonutrients are vitamin co-factors and provide an antioxidant food.
- Enrich sources of omega 3 fatty acids in active forms e.g. cold water fish, salmon etc.
- Decreased sources of saturated fat, hydrogenated oils and trans-fatty acids.
- Average balance protein intake with rotation among meat, dairy, vegetable and fish protein sources (not greater than 1gm/kg of body weight per day, unless otherwise indicated).
- Intermittent short periods of fasting and methods for body detoxification (dietary and otherwise) may support telomere structure and function.
- **Disease Management** A clear association exists between common diseases (cancer and degenerative

diseases) and shortening of telomere length e.g. cardiovascular disease (atherosclerosis), hypertension, insulin resistance (Metabolic Syndrome X), diabetes mellitus and diseases associated with cognitive decline (dementia). Meticulous management of co-morbid conditions is obligatory. Metabolic Syndrome X and diabetes are classic disorders of premature aging.

- **Miscellaneous Factors** Every attempt should be made to tackle the following issues with appropriate medical interventions: Attempts to eliminate coronary heart disease and atherosclerosis risk factors must be applied e.g. reduce LDL (target <90 mg%>, reduce oxidized and dense particle size LDL, increase HDL. Control blood glucose (important in both established and pre-diabetes or Metabolic Syndrome X), control blood pressure, keep blood homocysteine in check, reduced chronic inflammation (monitor C-Reactive Protein, maintain HS-CRP<1).
- Institution of an exercise program is obligatory, linked to levels of aerobic fitness (professional trainers recommended). Control of weight with holistic interventions

of diet, exercise, behavior modification and supplement adjuncts are mandatory. Interventions that support stem cell functions, increase nitric oxide signaling, improve mitochondrial function, detoxify the body and optimize hormonal controls (e.g. bio-identical hormone therapy) may be valuable adjunctive approaches to telomere support.

Specific Nutraceutical Interventions

I propose a synergistic combination of herbs, botanicals and nutrients for the nutritional support of telomere structure and function (compatible with guidelines of the US Dietary Supplement Health and Education Act, 1994). This nutraceutical approach is based on evidence of good scientific agreement in reviewed medical literature. It is not possible to provide a detailed overview of all nutritional agents that are putative agents for telomere support in this short article. Table 2 summarizes an evidence-based nutraceutical approach, within the limits of current research and knowledge in natural therapeutics. Key references are present within Table 2.

A combined use of the natural agents is proposed as more versatile and powerful than the use of single agents alone in the nutritional support of telomeres. A consensus has not emerged on the best nutraceutical approach for telomere support, but the author proposes the use of combinations of natural agents that act on different aspects of the cascades of events that support telomere structure and function. This is a synergistic approach.

Much attention has been paid to the phenomenon of telomerase activation in therapeutics. Ginkgo biloba extracts, Astragalus extracts and perhaps Chinese ginger root have been proposed as botanical approaches that may activate telomerase. The Astragalus extract showed an ability to enhance immune function (a known consequence of the use of Astragalus species) and improve certain biomarkers of aging.

The association of vitamin D, marine omega 3 fatty acids and statins (HMG-CoA reductase inhibition) with positive effects on telomere-dependent senescence appears to be supported by credible scientific studies. "Statin

effects" can be achieved in natural therapeutics by using red yeast rice which contains lovastatin. The nutritional co-factors folic acid and vitamin B12 are important for the maintenance of DNA integrity.

The value of antioxidants (or multivitamins) administration in telomere support is apparent in recent population studies and N-acetylcysteine has been shown to block the nuclear loss of hTERT into cell cytoplasm. This latter action of N-acetylcysteine was shown in endothelial cells that take on early senescent properties when attacked by reactive oxygen species (oxidant molecules). Similar findings are apparent with the administration of alpha-tocopherol (Vitamin E components), which has been shown to inhibit telomere shortening (with retention of telomerase enzyme activity) in endothelial cells that are present in the microvasculature of the brain. (see references in Table 2)

I propose an evidence-based natural protocol that can be applied to support the structure and function of telomeres by telomerase-inducing and non-telomerase dependent mechanisms that are not completely defined. In summary this protocol (www.naturalclinician.com) involves: positive lifestyle change, nutritional support with combinations of dietary supplements to contribute to the healthy telomere structure and function, monitoring of clinical outcome.

Conclusion

In my educational columns on natural therapeutics, I have focused on three very important issues in anti-aging or regenerative medicine. These areas include stem cell support, the use of calorie restriction mimetics and support for telomere structure and function (The Anti-Aging Trilogy). I believe that these three areas of longevity medicine interdigitate in a manner that creates the most important and promising frontier for "turning back the clock" in the field of aging medicine. ♦

REFERENCES:

1. Meyne, J., Ratliff, R.L. and Moysis, R.K. (1989) Conservation of the human telomere sequence (TTAGGG)_n among vertebrates. *Proc. Natl Acad. Sci. USA*, **86**, 7049–7053.

2. Greider, C.W. and Blackburn, E.H. (1985) Mammalian telomere dynamics: healing, fragmentation, shortening and stabilisation. *Cell*, **43**, 405–413.
3. Harley, C.B. (1997) Human ageing and telomeres. *Ciba Found. Symp.*, **211**, 129–139.
4. Aikata, H., Takaishi, H., Kawakami, K., Takahashi, S., Kitamoto, M., Nakanishi, T., Nakamura, Y., Shimamoto, F., Kajiyama, G. and Ide, T. (2000) Telomere reduction in human liver tissue with age and chronic inflammation. *Exp. Cell Res.*, **256**, 578–582.
5. Benetos, A., Okuda, K., Lajemi, M., Kimura, M., Thomas, F., Skurnick, J., Labat, C., Bean, K. and Aviv, A. (2001) Telomere lengths as an indicator of biological aging: the gender effect and relation with pulse pressure and pulse wave velocity. *Hypertension*, **37**, 381–385.
6. Herrera, E., Samper, E., Caballero, J.M., Flores, J.M., Lee, H.-W. and Blasco, M. (1999) Disease states associated with telomerase deficiency appear earlier in mice with short telomeres. *EMBO J.*, **18**, 2950–2960.
7. Artandi, S.E. and Depinho, R.A. (2000) Mice without telomerase: what can they teach us about human cancer? *Nature*, **6**, 852–855.
8. Blasco, M.A., Gasser, S.M. and Lingner, J. (1999) Telomeres and telomerase. *Genes Dev.*, **13**, 2353–2359.
9. Hemann, M.T., Strong, M.A., Hao, L.Y. and Greider, C.W. (2001) The shortest telomere, not average telomere length, is critical for cell viability and chromosome stability. *Cell*, **107**, 67–77.
10. de Lange, T. (1990) Structure and variability of human-chromosome ends. *Mol. Cell. Biol.*, **10**, 518–527.
11. Kipling, D. and Cook, H.J. (1990) Hypervariable ultra-long telomeres in mice. *Nature*, **347**, 400–402.
12. Yamaguchi, Y., Nozawa, K., Savoysky, E., Hayakawa, N., Nimura, Y. and Yoshida, S. (1998) Change in telomerase activity of rat organs during growth and aging. *Exp. Cell Res.*, **242**, 120–127.
13. Slagboom, P.E., Droog, S. and Boomsma, D.I. (1994) Genetic determination of telomere size in humans: a twin study of three age groups. *Am. J. Hum. Genet.*, **55**, 876–882.
14. Harley, C.B., Futcher, A.B. and Greider, C.W. (1990) Telomeres shorten during ageing of human fibroblasts. *Nature*, **345**, 458–460.
15. Kim, N.W., Piatyszek, M.A., Prowse, K.R., Harley, C.B., West, M.D., Ho, P.L., Coviello, G.M., Wright, W.E., Weinrich, S.L. and Shay, J.W. (1994) Specific association of human telomerase activity with immortal cells and cancer. *Science*, **266**, 2011–2015.
16. Franceschi, C., Motta, L., Valensin, S., Rapisarda, R., Franzone, A., Berardelli, M., Motta, M., Monti, D., Bonafe, M., Ferrucci, L. et al. (2000) Do men and women follow different trajectories to reach extreme longevity? Italian Multicenter Study on Centenarians (IMUSCE). *Aging (Milano)*, **12**, 77–84.
17. Kyo, S., Takakura, M., Kanaya, T., Zhuo, W., Fujimoto, K., Nishio, Y., Orimo, A. and Inoue, M. (1999) Estrogen activates telomerase. *Cancer Res.*, **59**, 5917–5921.



UNIQUE E[®]
*Mixed Tocopherols
Concentrate*

Simply put...

THEY WORK!

For nearly 50 years A.C. Grace Company has been your source for **PURE, NATURAL PRODUCTS** that **WORK!**

Our *Multi-E* products have been proven effective through *Application-Based Science* for nearly a half-century. Doctors worldwide use **UNIQUE E[®]** Vitamin E products to develop supplement protocols for their patients. The unesterified, unadulterated formulas provide **MAXIMUM Vitamin E** benefits for **CONDITION SPECIFIC HEALTH ISSUES** because they are free of diluents, colors, synthetics and source oil used as a filler.



UNIQUE E[®]
Tocotrienol

*"Because of PURITY,
our company uses UNIQUE E[®]
products in protocols to help
people get off psychoactive drugs!"*

*Jim Harper, President
The Road Back*

**VISIT US
AT BOOTH 223
at A4M!**

*The 18th Annual World
Congress on
Anti-Aging Medicine and
Regenerative Biomedical
Technologies
Las Vegas, December 9-11*



UNIQUE E[®]
*Mixed Tocopherols
Oil (Kosher)*



UNIQUE E[®]
Natural Moisturizer

*Winner of both
Best of
Natural Beauty
Awards
&
Best of Expo
Awards*



**From the Clean & Pure Waters
of the Antarctic Ocean!**

UNIQUE OMEGA[™] Krill Oil

500mg softgels containing **PURE** oil from Antarctic Krill, and providing an optimal combination of Omega-3 fatty acids, phospholipids and critical antioxidants to support heart and joint health.*



To set up a Healthcare Professional Discount Plan - Call today! 800.833.4368

SHOW SPECIAL: TAKE AN ADDITIONAL 10% OFF Wholesale Case Orders.

Code ACG1210a4m — good through 1/31/11

*Statements have not been evaluated by the FDA. These products are not intended to diagnose, treat, cure or prevent any disease.



MADE IN U.S.A.

www.acgrace.com



Buyers Guide

DIRECTORY

PRODUCT ANNOUNCEMENTS 190

Vendors by Category

| | |
|---|-----|
| Aesthetic Medical Treatments | 210 |
| Alternative Therapies | 210 |
| Associations / Education | 213 |
| Compounding Pharmacies | 213 |
| Computers / EMR | 216 |
| Cosmeceuticals | 216 |
| Dental | 217 |
| Dermatology | 217 |
| Diagnostic Service / Laboratories | 218 |
| Hair Rejuvenation | 220 |
| Holistic Medicines | 220 |
| Hyperbaric / Oxygen Therapies | 220 |
| Insurance / Finance / Practice Management / Marketing | 221 |
| Med Spa / Equipment | 222 |
| Medical Equipment / Supplies | 224 |
| Medical Publications / Directories | 225 |
| Mesotherapy / Hormone Therapies | 226 |
| Misc | 226 |
| Nutraceuticals | 227 |
| Pharmaceutical | 233 |
| Sports / Fitness / Physical Therapies | 234 |
| Stem Cell Therapies | 236 |
| Weight Management | 236 |

VIDAGENIX NUTRITIONAL SUPPLEMENTS

Vidagenix nutritional supplements are formulated by physicians and made to strict standards at a pharmacy.

Vidagenix maintains a zero-compromise manufacturing process that guarantees the highest standards for the entire Vidagenix line, including the new ultra premium VidaBlend and VidaHeart formulations.

As a health conscious individual looking for unique nutritional supplements offering the greatest absorption and effectiveness you need nutritional supplements as unique as you are.

Ask us about Vidagenix. Visit booth# 916.

PHONE: 800-973-1016
WEBSITE: www.vidagenix.com



AIDAN PRODUCTS' LATEST OFFERING STEM-KINE

Aidan Products' latest offering, Stem-Kine, is a product clinically proven to increase circulating stem cells in peer-reviewed literature*. New in 2010, Stem-Kine capsules are a proprietary nutritional supplement that has been demonstrated to stimulate the release of stem cells into circulation, including endothelial progenitor cells and CD34+, CD133+ hematopoietic stem cells. As individuals age, it is crucial to maintain and optimize stem cell health. Higher numbers of these cells correlate with lower risk of heart attack, stroke, Alzheimer's Disease, coronary artery disease, and others*. Stem-Kine not only stimulates the release of these important cells but also protects them from oxidative stress.

PHONE: 480-756-8900
WEBSITE: www.aidanproducts.com

*These statements have not been evaluated by the FDA. This product is not intended to diagnose, treat, cure or prevent any disease.

ADILIGHT-1 IS THE FIRST LED DEVICE MADE BY ADISTEM

AdiStem has ongoing international research projects looking at the effects of different frequencies of monochromatic lights on various cells including mesenchyme stem cells and white blood cells. AdiLight-1 is the first LED device made available commercially by AdiStem for use in activating mesenchyme stem cells and modulating cytokine release by white blood cells. AdiLight-1 uses three of the five frequencies found to activate stem cells in vitro. AdiStem's patented procedure uses a cell extraction media based on a proprietary lecithin liposome emulsifier that allows the extraction of 5-10x the amount of adipose-derived stromal cells as compared to commonly used enzymes.

PHONE: 800-240-6480
WEBSITE: www.adistem.com



VITAMIN D3 COMPLETE FORMULATED BY ALLERGY RESEARCH GROUP

Vitamin D3 Complete is formulated to respect the crucial importance of balancing vitamin D with vitamin A.* It also contains the other oil-soluble vitamins, K2 (menaquinone-7) and DeltaGOLD® tocotrienols (part of the vitamin E family). Vitamin D3 Complete is formulated for safe, long-term daily supplementation for most individuals.*

Vitamin D3 Complete is preservative-free and chemical-free, in a natural base of fish oil, and is encapsulated in state-of-the-art fish gelatin capsules.

PHONE: 800-545-9960
WEBSITE: www.allergyresearchgroup.com

Prevention - Detection - Treatment

Age Diagnostic Laboratories is the unsurpassed global leader in Laboratory testing services. By implementing the latest and most accurate generation of Laboratory testing equipment and technology, we have set the worldwide gold standard for superior diagnostic bio-medical lab testing.

- **100+ State of the Art Assays**
- **Standardized Test Profiles**
- **Customized Assays & Profiles**
- **Consistent with Individual Needs**
- **Skillfully Interpreted Practical Experience & Reliable Data**



154 NW 16th Street
Boca Raton, FL 33432
561-999-1987
www.ADLTests.com

Our mission is to consistently provide the **industry's most reliable, highest quality cutting edge laboratory assays and testing procedures** and to support Health Care Providers in their efforts to better diagnose, treat and monitor patients.

We are committed to continuous research and product development and a constant refinement of our extensive menu of testing profiles. Our goal is to provide a steady stream of assays that set industry standards for sensitivity, specificity, efficiency and clinical relevance. We design our tests to be both reliable and cost effective.

Our easy to read reports contain practical Interpretations that factor in the Age and Gender of the patient and also provide suggested treatment recommendations. Coupled with their passion and dedication, our exceptional scientific and medical staff is available to provide guidance and consultation to health care providers regarding the significance of test results, evaluation of unusual cases and related technical matters.



AMERICAN METABOLIC LABORATORIES

"Add years to your life and life to your years with the *Cancer Profile (CA Profile)*, and the *Longevity Profile blood tests*".

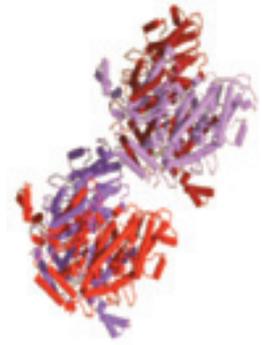
Ingeniously designed by Dr. E. K. Schandl, Ph.D., and exclusively offered by American Metabolic Laboratories, these revolutionary panels can aid in the early detection of cancer, heart disease, stroke, osteoporosis, hormonal imbalance, organ health and function conditions, and other disorders years before a potential disease manifests.

The CA Profile is also excellent to monitor the effectiveness of traditional and/or alternative cancer therapies.

PHONE: 954-929-4814

WEBSITE: www.americanmetaboliclaboratories.net

EMAIL: cs@americanmetaboliclaboratories.net



*PHI Phosphohexose Isomerase, the human Autocrine Motility Factor PDBsum; www.ebi.ac.uk



iGROW IS THE WORLD'S FIRST HAND-FREE LASER HAIR REJUVENATION SYSTEM

The iGrow is the World's First Hand-Free Laser Hair Rejuvenation System. With 21 laser diodes and 30 LED's, the iGrow is a convenient, effective and affordable alternative to laser combs or brushes. With automated treatment modes for both men and women, the iGrow is easy to use and adjustable for any head size. The unique design provides full scalp coverage necessary for maximum results. Listen to music during treatment with the integrated iPod/Mp3 interface.

PHONE: 949-854-9900

WEBSITE: www.apirascience.com

GLUTATHIONE IS A BENEFICIAL NUTRIENT FOR A VARIETY OF REASONS

Glutathione is a beneficial nutrient for a variety of reasons. However, if you take Glutathione orally, the peptidases in your stomach tear the Glutathione into the constituent amino acids Glutamate, Cysteine and Glycine, and the blood levels of Glutathione consequently remain unchanged. Injection of Glutathione bypasses that breakdown process and directly increases Glutathione levels in the body. In liquid form, Glutathione is sensitive, which is why ApothéCure takes special measures in our laboratory to ensure the best product. In powder form, Glutathione is very stable and not prone to decomposition, so ApothéCure has compounded Glutathione in a lyophilized powder. Call ApothéCure today for more information.



PHONE: 800-969-6601 or 972-960-6601

WEBSITE: www.apothecure.com



STABILIZED REDOX SIGNALING MOLECULES - THE HEALTH AND WELLNESS MIRACLE

One of the great discoveries of the decade is that of Redox Signaling, a newly realized communication system that acts at the cellular level. Based on a group of molecules produced in every cell, but overlooked for 50 years, Redox Signaling alerts cells when damage occurs to trigger repair and if that fails, alerts the immune system to replace the damaged cells. Asea which is highly patented, is the only product that has stabilized these native cell molecules. Results have shown a 500% increase in glutathione and SOD activity as well as marked improvement in oxygen efficiency.

PHONE: 336-653-6930

WEBSITE: www.aseawins.com

EMAIL: drrandy09@gmail.com

Visit Us At Booth 335



Hallandale
P H A R M A C Y

a division of Pharmcore, Inc

Compounding Is A Science...
What You Do With It Is A Miracle.

Quality
Assurance
In Place.
USP 797 Compliant



**REGISTER TO WIN
1 OF 2
APPLE IPAD'S***



CUSTOM COMPOUNDING SPECIALISTS

Men's Health - Andropause Therapy
Women's Health - Menopause Therapy
Hormone Replacement Therapy
Aesthetic Compounds

**We are giving away 2 brand new Apple IPAD's Thursday
and Friday at 5pm.*

Come by Booth 335 and register to win.

TELEPHONE

954.455.3822

FACSIMILE

954.381.8164

HallandaleRX.com

1109 East Hallandale Beach Blvd. - Hallandale Beach, Florida 33009

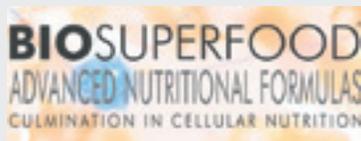
▶ AYUSH HERBS INC. INTRODUCES ThyroM

Ayush Herbs Inc., one of the premiere Ayurvedic herbal formula companies in the U.S., introduces ThyroM, a thyroid supplement that provides support for a healthy thyroid, targeting those with a thyroid dysfunction. The formula includes a synergistic combination of minerals, amino acids and Ayurvedic herbs. Available to healthcare professionals for their patients, ThyroM comes in a 60 caplet bottle and wholesales for \$12.50, with a suggested MSRP of \$25. To order or for more details visit the Ayush Herbs website at www.ayush.com or call (800) 925-1371.

PHONE: 800-925-1371
WEBSITE: www.ayush.com



▶ BIOSUPERFOOD BY BIOAGE



BIOSUPERFOOD formulas are blends of whole algae providing thousands of micro-nutrients occurring synergistically. Rare phytonutrients and a multitude of carotenoids in the formulas such as beta-carotene are described in published researches as able to cross our brain barriers better than any ordinary food to nourish cells of our critically important regulating organs. Our products are Health Canada certified and approved in Canada as "A source of antioxidants for the maintenance of good health."

PHONE: 303-683-8113
WEBSITE: www.bioage.com
EMAIL: info@bioage.com

▶ BIOSPACE THE MANUFACTURER OF THE INBODY BODY COMPOSITION ANALYZER

Biospace, the manufacturer of the InBody Body Composition Analyzer, presents the BSM370. This automatic stadiometer BMI measuring device is unique in its field. The BSM370 is able to achieve an accurate and automatic height and weight measurement for your clients. Upon completion of measurement you are able to obtain height, weight, and BMI from the LCD screen, or a printed results sheet.

The BSM370 gives trusted results, and can integrate with the InBody. The InBody body composition analyzer gives results free of estimations such as age, gender, or body type.

For more information please contact:
PHONE: 323-932-6503
EMAIL: usa@biospaceamerica.com



▶ CELLE IS A UNIQUELY EFFECTIVE NEW SKIN TREATMENT



Celle is a unique formulation which contains the so-called miracle molecule, resveratrol, four super fruit antioxidants, advanced hexapeptides, Japanese pearl extract, and Edelweiss plant progenitor cells. Celle is a uniquely effective new skin treatment which combats skin aging both internally and externally, and actually reverses much of the damage caused by years or decades of exposure to the sun, our challenging environment and a less than perfect diet. In Celle Biotivia has created a skin repair and rejuvenating cream that contains no harmful chemicals such as PEG's, carbomers or parabens.

PHONE: 888-245-5893
WEBSITE: www.Biotivia.com

The Next Generation of Anti-Aging Treatments

2nd CELLULAR GENERATION

Cellorgane

ENERGIZES DEBILITATING ORGANS



- 1 Anti-Aging treatment
- 2 Therapeutic organ renewal
- 3 Improves general health

2nd CELLULAR GENERATION

Thymoenzym

IMMUNOMODULATOR BY INDUCTION



- 1 Immune system boosting therapy
- 2 Improves liver function
- 3 Increases energy



“Live longer with better health”



Biopharma
International

Anti-Aging Medical Company
Exclusive Worldwide Distributors
www.biopharmainternational.com
1-800-993-1252

 **Kurabiol**
Laboratories

USA Manufacturer Under Exclusive
License of Biocell Ultravital, Switzerland
www.kurabiolabs.com
1-954-938-8828

Biocell
ULTRAVITAL

Cellular Renovation Therapies
www.biocellultravital.ch
www.biocellultravital.com

▶ CANFIELD IMAGING SYSTEMS INTRODUCES “TRUE 3D” VIEWING FOR VECTRA 3D

Canfield Imaging Systems has introduced the “True 3D” option for VECTRA 3D systems, bringing a new dimension to aesthetic consultations. “True 3D” is the first and only clinical imaging system to employ a stereoscopic viewing technology similar to that now used in movie theatres and home entertainment systems. When the special 3D monitor and viewing glasses are used with any VECTRA 3D system, patient images virtually leap off the screen. Add WOW! to your consultations with 3D imaging so realistic you can almost touch it.

PHONE: 800-815-4330 or 973-276-0336
EMAIL: Info@CanfieldSci.com



▶ CELL SCIENCE SYSTEMS



Cell Science Systems (CSS), located in Deerfield Beach, Florida, is a life sciences company and the worldwide market leader in food sensitivity testing as the manufacturer of the ALCAT Test. The ALCAT Test measures personalized nutrition at the cellular level. ALCAT identifies cellular reactions to over 350 foods, chemicals and herbs.

For over 24 years The ALCAT Test has provided healthcare professionals and their patients with a tool for managing a wide variety of conditions linked to chronic activation of the immune system, such as: weight gain, inability to lose weight, IBS, chronic fatigue, migraine headaches and many more...

PHONE: 800-US-ALCAT
WEBSITE: www.alcat.com

▶ EASY ON THE EYES™ SMOOTHING CREAM

Introducing our NEW Easy On The Eyes™ Smoothing Cream

This formula contains an active complex of soy and rice peptides, yeast protein, hyaluronic acid, and seaweed extract, a powerful combination designed to target fine lines, bags and circles, while providing superior protection against UV damage.

- Reduces puffiness and dark circles up to 35% in 8 weeks
- 31% reduction of fine lines and wrinkles in 8 weeks
- 42% improvement in skin smoothness and texture in 8 weeks

PHONE: 888-980-7770
WEBSITE: www.clarityclinicalskincare.com
EMAIL: karla@clarityclinicalskincare.com



▶ VITAMIN D-3 CINNAMON CHEWABLE



Adequate vitamin D levels are important for bone and immune health. A recent major study found most American teens and adults are deficient in Vitamin D. Supplementation can help but not everyone likes to swallow pills. CompliMed's delicious, natural cinnamon flavored D-3 chewable is the product your patients will love.

Vitamin D3 – Each naturally cinnamon flavored chewable tablet contains 2000 IU of supplemental vitamin D3.

Delicious, Cinnamon Natural Flavor – These tiny chewables deliver a big burst of cinnamon flavor, offering exceptional patient compliance.

PHONE: 800-261-7276
WEBSITE: www.complimed.com

► EXCILITE-u FOR POST-RESURFACING HYPOPIGMENTATION

The high-intensity Excilite-u offers a revolutionary treatment for Post-Inflammatory Hypopigmentation (PIHO) resulting from treatments such as resurfacing or cryotherapy. It's also effective for the treatment of psoriasis and vitiligo.

Using excimer light, the Excilite-u combines the power of an excimer laser and the convenience of an ultraviolet lamp. The result is a multi-indication system that requires fewer and shorter sessions than other systems...all in a tabletop platform. The 308 nm wavelength is delivered through a large 30 cm² spot size for fast and comfortable treatments. The handpiece can also be configured to smaller sizes to ensure therapy is delivered to only the target lesion making it an effective and versatile system to re-pigment skin on the face, elbows, knees and more.



PHONE: 877-844-5552
EMAIL: Info@dekamedinc.com

► THE FISHER WALLACE CRANIAL STIMULATOR



Founded in 2007, Fisher Wallace Laboratories is proud to launch its first product into the Anti-Aging market. The Fisher Wallace Cranial Stimulator is a portable medical device cleared by the FDA for the non-drug treatment of depression, anxiety, and insomnia. Substantial research has demonstrated its safety and effectiveness, including a 2009 study published in *The Neuroscientist* by Dr. Felipe Fregni, a neuroscientist at Harvard Medical School. Dr. Richard Brown, M.D., professor of psychiatry at Columbia University, has recently prescribed the device to over 300 patients and reports an 80% success rate.

PHONE: 212-688-8100
WEBSITE: www.FisherWallace.com

► IMMUNEYES BY FOREVER GREEN INTERNATIONAL

With eye-opening science from Georgetown University, experience the latest in natural and effective immune system support. Proprietary blend of: Alpha3 CMP Marine Phytoplankton, Pure Organic Virgin Coconut Oil, premium-grade organic Oil of Oregano, in a natural UV protected veggie softgel.

Georgetown research study: "The ability of oils from various spices to kill infectious organisms has been recognized since antiquity. Natural oils may turn out to be valuable adjuvants or even replacements for many anti-germicidals under a variety of conditions."
-Harry G. Preuss, MD, MACN, CNS



PHONE: 877-554-5956
WEBSITE: www.SayNoToTheFlu.com

► GUNA-MARS FOR MEN AND GUNA-VENUS FOR WOMEN



GUNA Laboratories is proud to introduce two new innovative products for the treatment of sexual disorders. Both of these medicines work on the whole sexual framework, at both the mental and physical levels, by physiologically exalting all the phases of sexuality: DESIRE, AROUSAL, ORGASM, and SATISFACTION. And, above all GUNA-Mars and GUNA-Venus contribute to reaching and maintaining a high level of WELL-BEING. Both products are natural, innovative, easy to use and have no side effects.

Please call your representative or visit www.gunamarsvenus.com for product details, clinical studies, and to purchase online.

PHONE: 888-GUNA TEL
WEBSITE: www.gunamarsvenus.com

► REDISCOVER SORGHUM...DISCOVER JOBELYN!

Health Forever is proud to introduce the surprising antioxidant power of *Sorghum bicolor*. A traditional sorghum extract is now proven by modern science. Known as Jobelyn, our sorghum leaf sheath extract boasts ORAC values of 3,123 – three times that of acai berries! In 15 years of research, scientists have not successfully created a synthetic version. Only the extract of the folk preparation yields this incredible rating and results. We've paired Jobelyn with synergetic herbs in four condition-specific formulas: Immune Support, Heart Health, Blood Builder, and Joint Health.



Learn more:
PHONE: 888-328-5279
WEBSITE: www.health-forever.com



► THIN FACTORS BY HEALTH SECRETS USA

- USA Patent Pending for Weight Loss
- New!!! Organic extract from Amazon forest called Bauhinia
- Double Blind study published by the Official "American Journal of Bariatric Medicine" Summer 2008 & Fall 2008
- Every single person on the study lost weight! Very consistent and NO negative side effects experienced.
- Powerful antioxidants work on normalizing the communication of stomach to satiety center and overcomes Leptin resistance and Insulin insensitive syndrome complex.

Speak to Prof. Dr. Paul Ling Tai, inventor and developer of the "Thin Factors."

PHONE: 313-561-6800
EMAIL: info@healthsecretsusa.com

► HIGH TECH HEALTH

High Tech Health, experts in sauna detoxification, proudly announces their newest far infrared sauna, sized specifically to fit the confined space of an exam room. Wish you could add infrared sauna therapy to your practice but haven't had enough space? The Thermal Life TL-1 has a foot print of only 35.5" square. Despite its minimal size, it is a complete Thermal Life sauna made from 100% solid hypoallergenic poplar wood, certified sustainably harvested by FSC and featuring certifiably "green" electronics. It is the most power efficient sauna available and we even ship it to you carbon-neutral.

PHONE: 800-794-5355
WEBSITE: www.hightechhealth.com



► INCREDIBLE MARKETING, INC.

"Incredible Marketing, Inc. is a full service Internet Marketing firm with emphasis on custom website development and Search Engine Optimization (SEO). Our award winning custom work is specifically geared towards the Medical and Professional industry. We bring a unique one on one approach to all clients, with an emphasis on developing a long term plan for success."

PHONE: 800-949-0133
WEBSITE: www.incrediblemarketing.com

Bellevue Pharmacy

1.800.728.0288

www.bellevuerx.com



Bellevue Pharmacy

DIRECTION ♦ INNOVATION ♦ SOLUTIONS FOR HEALTH

Your "Single Source" Pharmacy

Our mission is to provide a superior customer experience that meets an individual's needs.

We strive to be the leading compounding pharmacy through our capabilities, quality assurance, and cutting edge expertise.

Experience a pharmacy that is an extension of YOUR practice!

Win an iPad!

**Tear out this ad and stop by our booth #220.
Drop off your info below for your chance to win!**

Name _____

Company _____

Address _____

City _____

State _____

Zip _____

Phone _____

email _____

Rely on Bellevue Pharmacy to compound medications to meet the individualized needs of your patients with the strict requirements and standards you expect.

Please contact us directly at: 1.800.728.0288 or email us at: info@bellevuerx.com

www.bellevuerx.com



► KAVALIA HEALTH PRODUCTS

To live a healthy lifestyle is a goal set by many people today, both young and old. It is difficult to get all the nutrients needed through diet alone to operate at peak performance. Kavalia has formulated all-natural nutraceuticals with the highest quality ingredients. Optimum health and well-being provided by Kavalia. Daily use of VivaLean with Flavoxine will lead to improved health and a more fulfilling life. Clinical tests showed an average of 5% loss of body weight in overweight subjects in just 8 weeks while helping to balance lipid levels and blood pressure. Additional VivaLean ingredients support a healthy lifestyle.

PHONE: 801-532-3029

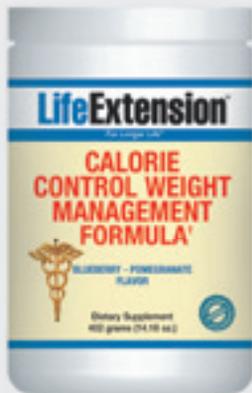
► NEW KING BIO SAFECARE®RX APPETITE & WEIGHT CONTROL™

King Bio SafeCare®RX Appetite & Weight Control™ with HCG (human chorionic gonadotropin) is designed to treat a broad spectrum of physical, mental and emotional aberrations of appetite and weight disorders. This breakthrough product is the most complete correction available today, providing 22 homeopathic ingredients AND 7 flower essences made in 7 high potencies, equaling 203 total ingredients that address a broad spectrum of appetite and weight symptoms. The "PHAT" glandulars (pituitary, hypothalamus, adrenal, and thyroid), HCG, flower essences and other ingredients have been specifically chosen for their success correcting appetite and weight control problems. They can be used to complement any weight loss program.

PHONE: 866-298-2740
 WEBSITE: www.safecarerx.com
 EMAIL: procsr@safecarerx.com



► CALORIE CONTROL WEIGHT MANAGEMENT FORMULA



Item #01493,
 14.18 oz powder
 MSRP \$56

This stimulant-free, blueberry-pomegranate flavored powdered drink mix contains four plant-based ingredients, each individually shown to promote weight loss:

- LuraLean®, a soluble propolmannan fiber, helps cut appetite, impede digestion of dietary fats and absorption of calories, and reduce fasting lipid (fat), after-meal glucose (sugar) and insulin blood levels.
- Integra-Lean® Irvingia helps decrease appetite, break down stored fat, and reduce the impact of starches and sugars.
- White Kidney Bean extract delays digestion and absorption of calories from starches.
- Green Tea Phytosome boosts resting metabolic rate and helps stop the breakdown of dietary fat.

For details about this or any Life Extension® product, or about becoming a Life Extension Wholesaler, call 1-888-884-3657 toll-free or visit www.LifeExtensionRetail.com.

LuraLean® is a registered trademark of AHD International, Inc. Integra-Lean® Irvingia is protected by U.S. Patent No. 7,537,790. Other patents pending.
 This supplement should be taken in conjunction with a healthy diet and regular exercise program. Results may vary. These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.

▶ MD PRESCRIPTIVES ESSENTIALS 5-IN-1

A complete multivitamin designed specifically for maximum hormonal and metabolic activation in one bottle, virtually eliminating the need for supplemental Vitamin B, Vitamin E, Vitamin A, Vitamin K, and extra minerals. Individual nutrients are formulated for maximum bioavailability, synergy, hormonal/metabolic activation and antioxidant capacity. Usually available as separate supplement bottles, Essentials 5-in-1 includes special features such as: Vitamin A (beta-carotene and mixed carotenoids), activated B vitamins (immediate and sustained release), Vitamin C forms (water and fat soluble forms), Vitamin E (alpha and gamma tocopherol), Vitamin K2, TRAACS Chelated minerals, and Bioperine. Clinical trials using before/after micro-nutrient analysis have affirmed bioavailability, efficacy and safety.

PHONE: 877-963-7737 or 407-276-4060
 WEBSITE: www.mdprescriptives.com



▶ NUTRA DETOXIDANT

Detoxify and protect your body from free radicals with a powerful nutritional combination. NUTRA Detoxidant is a double-threat to free radicals, as it has two goals in mind. First, support a healthy liver by eliminating toxins, improving energy, and strengthening immunity. Second, protect the body from free radical production by supplying a powerful combination of antioxidants. From the food we eat to the air we breathe, our bodies come in contact with excessive free radicals on a daily basis. NUTRA Detoxidant gives your body the defense it needs to eliminate and deter intruders that accelerate aging and cause degenerative ailments.

PHONE: 888-222-2956
 WEBSITE: www.nutrascriptives.com



▶ FOOD SAFE ALLERGY TEST - BLOODSPOT

This is a test for delayed hypersensitivity reactions. Delayed (IgG) responses may cause delayed symptoms, such as joint or muscle pain, chronic headaches, fatigue, eczema, and psoriasis. Since IgG reactions often occur hours or days after particular foods are consumed, correlating symptoms can be difficult. The reactions can be subtle or severe, and may lead to chronic (long-term) symptoms and chronic degenerative conditions.

PHONE: 425-271-8689
 WEBSITE: www.meridianvalleylab.com



► ProOMEGA® BY NORDIC NATURALS

Ideal for pesco-vegetarians, ProOmega® in fish gelatin soft gels is a double-strength EPA+DHA formula for more omega-3 benefits in fewer servings. For high-intensity, therapeutic support for both body and mind, ProOmega is an excellent choice, containing 1100 mg EPA+DHA per serving.

- Supports cardiovascular and circulatory health*
- Promotes a healthy immune and inflammatory response*
- Supports a healthy metabolism and blood sugar levels*
- Supports a positive mood and emotional well-being*
- Promotes improved joint flexibility and mobility*
- Fish gelatin soft gels are ideal for pesco-vegetarians



PHONE: 800-662-2544

WEBSITE: www.nordicnaturals.com



► TOTAL VEGAN™ BY NuMEDICA

Total Vegan™ is a revolutionary plant protein blend featuring 5 hypoallergenic, vegan protein sources—pea, rice, hemp, chia, and cranberry—to provide a well-balanced amino acid profile in a high protein formula. It features many unique ingredients to support the immune system, the digestive system, body composition, bone health, and detoxification. Sulforaphane Glucosinolate and calcium d-glucarate have been added for powerful Phase II detoxification support. **Total Vegan™** has only 6 net carbohydrates and 24 grams of protein per serving. Come by Booth# 344 at A4M Las Vegas to sample Total Vegan™.

To learn more

PHONE: 866-787-5175

WEBSITE: www.numedica.com.

► ORENDA INTERNATIONAL

Orenda International is a biotech company with leading edge nutraceuticals that Awaken, Cleanse and Feed the body:

- O-tropin uses patented liposomal encapsulation and receptor targeting technology to awaken and promote the natural hypothalamic-pituitary communication
- Orenda Balance balances, calms and supports the stress-challenged body
- AntiAging Serum brings oxygen and nutrients deep into the outer layers of the skin;
- Orenda Immune encourages natural cellular detoxification and an active immune system
- Oki superfood juice and Choki healthy chocolate blend powerful aronia with other superfoods to nourish the entire body



PHONE: 480-889-1001

WEBSITE: www.orendainternational.com



► Inflammacore IS ORTHO MOLECULAR PRODUCTS NEW PREMIER POWDERED DRINK MIX

Inflammacore is Ortho Molecular Products new premier powdered drink mix that provides nutrients needed to support individuals under chronic inflammatory burden. This convenient drink mix includes high doses of amino acids that support the gastrointestinal tract along with traditional herbs such as skullcap root, turmeric, quercetin, ginger and green tea. Inflammacore also contains a potent standardized bee propolis to benefit those with gastrointestinal related disorders. Inflammacore can be used in a diverse manner, providing support for gastrointestinal, cardiovascular and immune health.

PHONE: 800-332-2351

WEBSITE: www.orthomolecularproducts.com

EMAIL: info@ompimail.com



UP TO
12 CME CREDITS
4TH ANNUAL EDITION

The only American Academy of Anti-Aging Medicine (A4M) congress in the Middle East

DATE: October 2011

VENUE: Dubai World Trade Centre, UAE

DCAAAM provides delegates with the invaluable opportunity to learn about the latest developments in aesthetic and anti-aging medicine. DCAAAM will encompass a CME accredited scientific programme, practical commercial workshops and an exhibition hall.



WWW.ANTI-AGINGEVENTS.COM/DUBAI

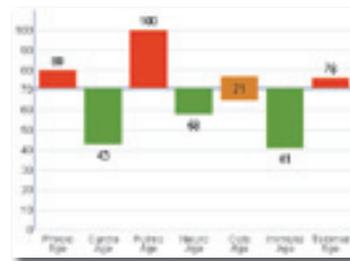


▶ ANNOUNCING PHYSIOAGE SYSTEMS: THE NEXT-GENERATION PATIENT ASSESSMENT

"The first step in aging well is knowing how well you're aging."

PhysioAge Systems™ is a web-based software platform that provides deeper insights into the status and function of your patients' most important physiological systems. Our system relies on a unique combination of extensively-tested biomarkers that have been shown to highly correlate with age. Tracking physiological age over time provides a clear and detailed profile of a patient's individual aging process and helps direct age-management interventions.

PHONE: 877-888-3210
WEBSITE: www.PhysioAgeSystems.com



▶ PILLO1 IS A REVOLUTIONARY PILLOW



PILLO1 is a revolutionary pillow that is so sensational TV star Angie Harmon says, "Everyone in the World should have one!" The brilliant design by renowned celebrity/pro-athlete Chiropractor, Dr. Raymond Hall, has redefined how a pillow should support, respond and perform. An independent sleep-study demonstrated that, with Pillo1, REM increased by 21.3%, sleep-onset by 19% and there was a 30% increase in beneficial back-lying position that promotes good posture and less wrinkles. Pillo1 is handmade in America, from three different types of eco-luxe foams (unlike any other contour pillow) and is naturally antimicrobial, hypoallergenic, and dust-mite resistant. Pillo1: Improving lives through better sleep!

PHONE: 310-457-2004
EMAIL: Info@Pillo1.com

▶ DIGEST GLUTEN PLUS ASSISTS IN THE DIGESTION OF GLUTEN PRODUCTS

Digest Gluten Plus contains two major types of enzymes. One group of endo-proteases cleaves the bonds of proteins and breaks them into peptides. The other is a group of exo-peptidases, which cleave amino acids away from the end of peptides.

- **Robust formulation** - Specifically degrades the gluten component of cereal proteins with strong protease enzyme mix.
- **Wide application** -For anyone with intolerances for wheat and gluten-containing food.
- **Suitable for vegetarians** - Contains vegetarian friendly ingredients

PHONE: 888-737-6925
WEBSITE: www.seroyal.com



▶ FIRST EVER WATER-SOLUBLE UBIQUINOL CoQ10

First ever water-soluble Ubiquinol CoQ10 offering unparalleled absorption. This Coenzyme Q10 supplement is a powerful antioxidant compound that infuses cells with energy and protects them from oxidative stress and damage.*

Super QNol® Supplement Benefits

- Highly reduced form of CoQ10 that is readily absorbed
- First only Lipid and Hydro-soluble CoQ10 form-readily absorbed!
- Promotes important heart health protection
- Strong, formidable antioxidant to protect from free radical damage
- Cell energy enhancer for optimum stamina and strength



PHONE: 800-200-0456 or 415-892-3880
WEBSITE: www.Solanova.com
EMAIL: Rick.Voorhees@Solanova.com

▷ SOTTOPELLE® MEDIBLES® HAIR REPAIR FORMULA

If you're suffering from hair loss, there's hope: **Medibles® Hair Repair Formula**, a hair loss solution developed by Dr. Gino Tuterà.

Biologically speaking, you lose your hair when naturally occurring testosterone converts into DHT (DiHydro Testosterone), which binds to the scalp's receptor cells and disrupts the hair growth cycle. Medibles® Hair Repair Formula's primary ingredients, Saw Palmetto and Chrysin, inhibit specific enzymes and ultimately block excess DHT from forming on the scalp, keeping hair growth intact. At the same time, elements such as d-Biotin, Zinc and Selenium stimulate scalp health, supply a steady stream of nutrients and promote an environment that inhibits hair loss and encourages new growth.

PHONE: 877-476-8867
 WEBSITE: www.sottopelletherapy.com
 EMAIL: orders@sphrt.com



▷ SPECTRACELL LABORATORIES GENOTYPING



Spectracell Laboratories is pleased to announce the development of our new DNA test for genetic variants in the Methylene tetrahydrofolate reductase (MTHFR) gene. This gene is important in the reduction of plasma homocysteine levels, an individual's response to methotrexate treatment, as well as folate metabolism. About 10% of the North American population contains two variant copies of this gene, which correlated with an increased risk of cardiovascular disease and thrombosis, as well as an increased need for dietary folate. Identification of these genetic variants should allow for greater awareness of risk and personalization of treatment tailored to an individual's unique biochemistry.

PHONE: 800-227-5227
 WEBSITE: www.spectracell.com

▷ NEW LIQUID OMEGA-3 SUPPLEMENT FROM STANDARD PROCESS

Calamari Omega-3 Liquid is a convenient, sustainable way to increase omega-3 essential fatty acid. This high DHA product has a clean, understated, citrus taste and is perfect for those who want the convenience of a liquid supplement. Benefits include:

- Supports cardiovascular health
- Assists in triglyceride management
- Supports normal blood pressure already within a normal range
- Supports normal immune response
- Supports the body's normal inflammatory response
- Supports cognition and emotional balance
- Provides antioxidants
- Supports skin, nail, and hair health*

PHONE: 800-558-8740
 WEBSITE: www.standardprocess.com



▷ THE WORLD LEADER IN CHLORELLA SUPERFOOD SINCE 1969



Sun Chlorella USA's products are bursting with nutrients that are gentle to your body. Everyone knows eating balanced meals is fundamental to a healthy life style. At times your busy schedule may force you to eat poorly, preventing you from getting all the vital nutrients your body needs. Poor nutrition weakens your immune system, making you vulnerable to stress and illnesses. This is true regardless of your age, gender, or nationality. Make Sun Chlorella an essential part of your active life style, and you can enjoy Mother Nature's ultimate gift to us—the gift of optimum health.

PHONE: 800-829-2828
 WEBSITE: www.sunchlorellausa.com

▶ A BREAKTHROUGH IN ANTI-AGING: BENAGENE

A breakthrough in Anti-Aging, the nutritional supplement “benaGene” brand oxaloacetate increases lifespan in laboratory tests by 25% ($p < 0.001$, Aging Cell 2009). Similar to calorie restriction, the increase in lifespan involves a higher NAD⁺/NADH ratio that leads to favorable gene expression.

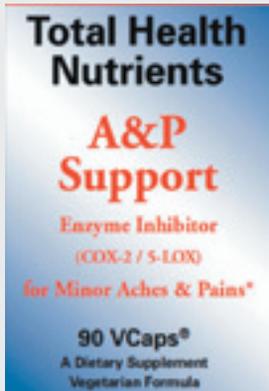
“I have examined the science behind benaGene, and I am very impressed. I recommend it as an essential part of any effective anti-aging regimen”—Mitchell Ghen, DO, PhD

“I use benaGene in my practice for anti-aging and also for specific patients with glucose control issues. I have been very favorably impressed” – Andrea Cole, DO

Wholesale Accounts available for professionals.

PHONE: 858-947-5722

WEBSITE: www.benaGene.com



▶ TOTAL HEALTH NUTRIENTS

A&P SUPPORT is a synergistic blend of nine herbal extracts that may reduce the occasional minor aches and pains resulting from over-exertion or stress. It also contains a potent combination of antioxidants that contribute to heart health and proper immune function. A&P Support’s combination of herbs works by inhibiting the enzymes, COX-2 and 5-LOX. It may be used daily for the support of vascular and general health, or occasionally to alleviate aches and pains associated with an active lifestyle. Ingredients include Holy Basil, Turmeric, Ginger, Green Tea, Boswellin, Bromelain, Baikal Skullcap, Resveratrol, and Berberine.

PHONE: 888-THN-7284

WEBSITE: www.totalhealthnutrients.com

▶ VITAL BRAIN POWDER BY VITAL NUTRIENTS

Vital Brain Powder supports mental performance, brain vitality, and healthy brain function. Vital Brain contains GlyceroPhosphoCholine (GPC), Acetyl L-Carnitine HCl (ALC), Phosphatidylserine (PS), and Bacopa moneri. This powerful combination supports mental focus, memory, and brain wellness. GPC supports brain health in all age groups and assists in brain trauma recovery. ALC lessens body and mind fatigue in older adults. PS benefits memory, learning, concentration, word choice, and mood. Bacopa supports verbal learning, memory, and cognition.

PHONE: 888-328-9992

WEBSITE: www.vitalnutrients.net



▶ HRT-RX IS A NEW PATIENT ASSISTANCE NETWORK



HRT-Rx is a new patient assistance network created by William Llewellyn, author of the bestselling pharmaceutical reference guide ANABOLICS (10th Ed.). The focus of the network is to put qualified patients in contact with progressive hormone replacement/anti-aging physicians. Llewellyn has a 20-year following in the field of exercise and hormone research. Many of his regular readers are active HRT patients, and many more are looking for additional information on the subject. The HRT-Rx network represents a strong base of potential patients. For more information, visit HRT-Rx.com.

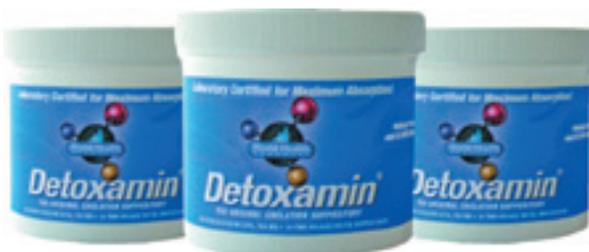
PHONE: 888-838-2689

WEBSITE: www.HRT-Rx.com

EMAIL: Info@HRT-Rx.com

▶ DETOXAMIN IS THE WORLDS ONLY PROVEN SAFE AND EFFECTIVE EDTA CHELATION SUPPOSITORY

Detoxamin is the worlds only proven safe and effective EDTA chelation suppository backed by published clinical and bioavailability studies. Detoxamin was found to have a longer absorption period (over eight hours) and over three times the EDTA tissue penetration as compared to IV administration. Studies showed statistically significant reduction of severe prostate conditions such as improvement in urinary flow, reduction of pain, reduction in chronic prostatitis symptoms, enhancement of quality of life parameters, improved erectile function and improved cardiovascular blood markers (HLD/ LDL) as well as significant excretion of a variety of heavy metal toxins. No side effects, adverse reactions nor aberrant comprehensive blood panel chemistries were observed in all trials.



PHONE: 877-656-4553
WEBSITE: www.detoxamin.com

▶ YOU TEST YOU™ CANCER ASSESSMENT



A new blood test is available to aid physicians in cancer detection and monitoring. Being proactive about detecting cancer early is an important step in fighting this devastating disease. The You Test You™ Cancer Assessment can provide evidence of 20 different cancer types in one simple blood test. Catch cancer earlier and enhance the chance of successful treatment and outcome.

PHONE: 877-496-8837
WEBSITE: www.youtestyou.com
EMAIL: info@youtestyou.com

▶ ZRT LABORATORY HAS REVOLUTIONIZED TESTING AGAIN WITH DRIED URINE

Following a significant amount of research and development, ZRT is pleased to offer a diagnostic test for Iodine deficiency in dried urine. This is a new, innovative, totally non-invasive technology only offered by ZRT Laboratory.

Iodine deficiency is an issue because it is pivotal to normal function of the thyroid gland, in addition to the health and integrity of breast tissue. With ZRT's dried urine test it only requires a few minutes to collect urine on a filter strip 2 times a day as opposed to the 24-hour urine collection. To learn more, attend Dr. Zava's lecture on December 11th.



PHONE: 1-866-600-1636
WEBSITE: www.zrtlab.com



By Bradley West, ND

More and more people are taking fish oil and other marine supplements. Why? Because of the extensive health benefits of increased omega-3 intake. Backed by over 40 years of research, omega-3s—eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA)—are essential fatty acids; “essential” means that the body cannot produce these good-for-us fats, hence they must be consumed from diet or supplements. Today the scientific consensus is so strong that health policy makers worldwide, including the American Heart Association (AHA) and the World Health Organization (WHO), all agree that omega-3s maintain health and prevent disease. Omega-3 supplements are one of the fastest growing categories of supplements, and there is an ever-growing array of omega-3 products for the consumer to choose from.

What is Krill?

Recently some companies have started selling krill oil supplements as a source of omega-3. Krill are shrimp-like crustaceans that are a dietary staple for whales, small fish, and seabirds. Krill exist in large numbers and are an integral part of the aquatic food chain.

Sustainability

The increased fishing of krill has led to grassroots protests and a call to

action by The National Oceanic and Atmospheric Administration (NOAA). Scientists, fishery groups, and federal environmental organizations like the NOAA have all voiced concerns about the potential impact of increased krill fishing. Due to these concerns, the fishing of krill has been banned on the West Coast of the US, and has been strictly limited in places like Norway and Antarctica¹.

In contrast, fish oil supplements are predominantly produced from sardines and anchovies, species that are currently in abundant supply, fished well below mandated limits, and are considered ideal species for sustainability, given their short reproductive cycles. A study published in the journal, *Science*, by marine conservation biologists also suggested that fishing should concentrate more on these pelagic species, in order to reduce the dependence on fish species currently threatened by overfishing².

Omega-3 Concentration

Whereas krill oil generally provides 7–24% omega-3s (EPA and DHA), and about 0.2% astaxanthin, a reddish carotenoid pigment, fish oil naturally contains about 30% omega-3s (EPA and DHA). Concentrated fish oil formulas, produced through molecular distillation or other processing of natural fish oil, contains up to 98% omega-3s (EPA and DHA). Fish

oil also typically contains 0.25–0.50% antioxidants as added oil stabilizers.

Stability

Krill contains the antioxidant, astaxanthin, which makes up 0.2% of the oil by weight. This percentage is not sufficient to offset krill’s rapid decomposition, which occurs in only 2–3 hours. Fish oil has a significantly longer interval of decomposition, about 48–72 hours, which allows ample time for processing with very low oxidative stress. Techniques for optimizing the stability of fish oil have been extensively researched and have long been established; adding approximately 0.25–0.5% of vitamin E and rosemary extract (fat-soluble antioxidants) have been proven to be the most effective technique for maintaining oil freshness. This combination of antioxidants provides, at a minimum, an equal Oxygen Radical Absorbance Capacity (ORAC) value when compared to krill oil.

Research-Proven

To date, there are only 3 published human studies conducted with krill oil, whereas over 8,000 clinical human studies have been published on fish oil. Marketing of krill oil has recently included claims about being “faster absorbed,” “more rich than fish oil,” etc., which has triggered the involvement

of the National Advertising Division of the Council of Better Business Bureau (www.nadreview.org/CaseReports.aspx). A review of the literature shows no evidence or supportive studies for these claims. In response, an agreement has been reached to stop advertising these unsubstantiated claims.

Purity

Even though the US government has not set specific criteria for fish oil products, most fish oil manufacturers hold themselves to strict international standards for safety and purity. (For the strictest purity guidelines in the world, please refer to The World Health Organization). Any fish oil manufacturer that prioritizes quality should be able to supply third-party test results to prove purity and ensure compliance with quality standards. In fact, over 50 fish oil manufacturers have had their products tested for impurities by the Environmental Defense Fund, and the majority received commendations for conforming to the strictest standards for safe levels of contaminants and toxins.

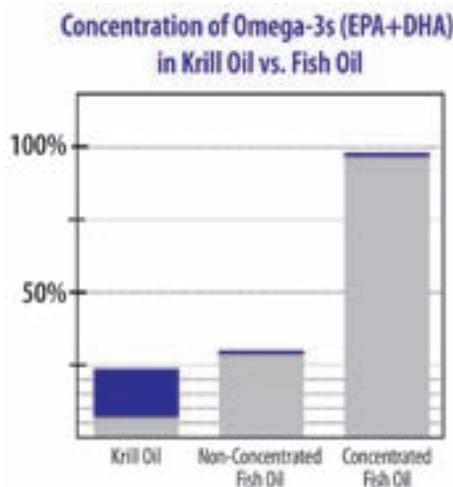
Absorption

In order for an oil to reach maximum absorption AND utilization by the body, it needs to be fresh. Freshness is measured by laboratory methods that evaluate the degree of oxidation in the oil, which is measured in terms of the oil's peroxide value and anisidine value. Oxygen breaks apart the bond of omega-3 molecules and creates free radicals, which can have a negative effect on human health. Whether produced from krill or fish, omega-3s that have been oxidized (i.e. that are not fresh) often have a poor taste and smell, and will not supply the health benefits for which these essential fatty acids are known. Consequently, the freshness values (peroxide and anisidine values) of the omega-3 supplement are crucial to avoiding poor taste, achieving optimal absorption, and thus to receiving the health benefits of increased omega-3 consumption.

Consider the Fat

When manufacturing a raw material for its omega-3 content, it is important to consider its fat percentage. Sardines

and anchovies yield greater than 80% fat, while krill yields less than 5% fat, which causes decomposition to occur within hours and thus becomes a significant obstacle for its manufacture. To reduce decomposition and oxidation, krill need to be kept alive in water tanks, or frozen until processing. This substantially increases the cost of getting the raw material to shore for processing. As a result, the average wholesale cost for krill oil is around \$230/kg, compared to natural fish oil that is priced around \$10/kg. Given these considerations, sardines and anchovies are not only more ecologically sustainable but also a more economical source for omega-3 supplements.



Is Krill Oil Pure?

Due to the high cost of the krill raw material explained previously, it is not uncommon for manufacturers to mix krill oil with fish oil. Astaxanthin and phospholipids (PL) can also be added to mimic 100% krill oil. Claims of krill's superior absorption (which are now ending due to the National Advertising Division's involvement) are based on PL and DHA levels. Krill oil contains under 10% DHA, on average. Fish oil contains a minimum of 12% DHA, increasing to over 75% after concentration. Although fish oil initially has no DHA bound directly to PL (but rather it is a triglyceride), it is easily bound to PL in the body. In fact, all DHA molecules in the human body are bound to PL. Fish oil also contains a minimum of 18% EPA, which, along with DHA, is the other health-promoting omega-3. Krill contains about 14% EPA.

Strict Standards

The fish oil industry has driven the development of technology to greater and greater precision for detecting environmental toxins such as mercury, heavy metals, PCBs, dioxins, pesticides, and other toxins (some of which are nameless as of yet.) This technology can quantify these molecules down to parts per billion and even parts per trillion. Properly manufactured, high quality fish oils have no detectable contaminants, even at these extremely low levels, and should be able to verify that purity with third-party lab results.

In conclusion, although, at this point in time, not all fish oil or krill oil companies follow international quality standards, fish oil does have a proven record of safety, efficacy, purity, and sustainability when manufactured according to the standards of the European Pharmacopeia and the World Health Organization. There may be more science behind omega-3 essential fatty acids than any other single natural supplement. Research has shown that omega-3s benefit every cell, tissue, organ, and system in the human body and that the best source of omega-3s is a high quality fish oil supplement. ♦

REFERENCES

- 1 By the states of California, Oregon, and Washington, in response to groups such as NOAA, Pacific Fishery Management Council, Antarctic and Southern Ocean Coalition, Convention on the Conservation of Antarctic Marine Living Resources The Ocean Research Institute of Norway, and Antarctic Krill Conservation Project (www.krillcount.org).
- 2 Boris Worm, *et al.* Impacts of Biodiversity Loss on Ocean Ecosystem Services. *Science* 2006;314:787-790.

▮ Dr. Bradley R. West, ND, is a licensed Naturopathic Doctor that specializes in integrative, traditional, and functional medicine. His emphasis is on chronic disease prevention and treatment, nature-cure, holistic endocrinology, gastroenterology, CFS/FMS, and environmental medicine.

© Nordic Naturals, Inc. 2009. Reproduction not allowed without explicit written consent by the publishers.

AESTHETIC MEDICAL TREATMENTS

Ageless Aesthetic Institute

330 Racquet Club Rd.
Weston, FL 33326
USA

800-420-2689
www.agelessaestheticinstitute.com

Alma Lasers

485 Half Day Rd. #100
Buffalo Grove, IL 60089
USA

866-414-2562
www.almalasers.com

DEKA Medical

665 Third St., Ste. 20
San Francisco, CA 94107
USA

877-844-5552
www.dekamedinc.com

Hair Loss Control Clinic

4 Avis Dr.
Latham, NY 12110
USA

518-220-1500
www.hlconline.com

Light Age, Inc.

500 Apgar Dr.
Somerset, NJ 08873
USA

732-563-0600
www.lightage.com

Rebonson

95 Oakland Rd., Ste. 2B
Lawrenceville, GA 30044
USA

770-825-0100
www.rebonson.com

Syneron

3 Goodyear, Unit A
Irvine, CA 92618
USA

866-259-6661
www.syneron.com

Neurotris

9450 7th St., Ste. J
Rancho Cucamonga, CA 91730
USA



Press Release NEW Advancements in MICRO, NANO & PICO technology

The Neurotris SX series are full body sculpting machines utilizing advanced NANO technology that incorporates unique specific frequencies and signatures that achieve inch-loss, muscle building, body toning, facial rejuvenation, wrinkle reduction, and face lifting.

877-929-9920
www.neurotris.com

ALTERNATIVE THERAPIES

Apptec PharmaChem

4 Washington Dr.
Cranbury, NJ 08512
USA

800-698-6367
www.apptecusa.org

BioMat Wellness Center

1802 N. Carson St., Ste 108
Carson City, NV 89701
USA

775-315-7250
www.biomatwellnesscenter.com

Eternity Medicine Institute

8930 W. Sunset Rd., Ste. 100
Las Vegas, NV 89148
USA

702-248-4364
www.eternitymedicine.com

Fisher Wallace Labs

515 Madison Ave., Ste 5W
New York, NY 10022
USA

212-688-8100
www.fisherwallace.com

G-Tech

3736 Panarama Dr.
Saratoga Springs, UT 84045
USA
801-766-3929
www.asyra.com

Heartland Products, Inc.

PO Box 777
Valley City, ND 58072
USA
888-772-2345
www.heartlandnatural.com

Guna Inc.

3724 Crescent Court West
Whitehall, PA 18052
USA
484-223-3500
www.gundinc.com

Heel Inc.

10421 Research Rd. SE
Albuquerque, NM 87123
USA
800-621-7644
www.heelusa.com

Haelan Research Foundation

18568 142nd Ave. NE, Bldg. F #6
Woodinville, WA 98072
USA
425-269-7798
www.haelanresearch.org

High Tech Health Int'l., Inc.

4888 Pearl East Cir., Ste. 202W
Boulder, CO 80301
USA
800-794-5355
www.hightechhealth.com

Health Forever Products

11141 Black Forest Way
Gaithersburg, MD 20879
USA
888-328-5279
www.health-forever.com

i-Health

1193 Oakridge Park Dr.
Farmington, UT 84025
USA
801-458-1217
www.ihealthamerica.com

A new, more powerful tool to improve patient outcomes and grow your practice

The ALCAT Test accurately measures innate immune responses to over 290 foods, additives and environmental chemicals.

For over 24 years, The ALCAT Test has provided physicians and their patients successful tools for testing food and chemical sensitivities. Benefits include improvement in metabolic, CNS, digestive, respiratory, skin and other conditions.



"For ten years I have used The ALCAT Test in my practice - no other test is as useful." - Fred Pescatore, M.D., M.P.H., Medical Director, Partners in Integrative Medicine, New York, NY



"Most of my patients who take The ALCAT Test have marked improvements of their symptoms." - Donald Dennis, M.D., F.A.C.S., Medical Director, Atlanta Center for ENT, Atlanta, GA



"I have found that with the elimination of food sensitivities through The ALCAT Test, I am able to obtain better and more dramatic results." - Juan Remos, M.D., M.B.A., Wellness Director, The Miami Institute, Miami, FL



"I strongly believe that everyone, and I mean EVERYONE, should have an ALCAT Test." - Michael Brown, N.M.D., Practicing Physician, Your Wellness Connection, Shawnee Mission, KS

- New test agents available
- No cost to get started
- Enjoy the additional benefits of belonging to our Physician Referral Network at no cost to you
- Results available online within five business days
- Mobile and lab based blood draw service available upon request
- FDA inspected, registered
- Awarded 3 US patents
- CLIA licensed and inspected
- Available in over 20 countries worldwide
- Supported by the EU
- 98% success with improvement of scale weight and/or body composition
- The ALCAT Test is 83.4% accurate with foods and 96% accurate with food additives



Cell Science Systems 1(800)US-ALCAT(872-5228) 1-954-426-2304 852 South Military Trail, Deerfield Beach, Florida 33442 www.ALCAT.com

610-904 Rev

InnoVision Health Media, Inc.

1408 Northland Dr., Ste. 306
Mendota Heights, MN 55120
USA
651-251-9617
www.imjournal.com

Natural Source International Ltd.

150 East 55th St.
New York, NY 10022
USA
212-308-7066
www.natural-source.com

NeuroScience, Inc.

373 280th St.
Osceola, WI 54020
USA
888-342-7272
www.neuroscienceinc.com

Novus Optimum

PO Box 640588
San Francisco, CA 94164
USA
415-986-8991 / 888-499-9100
www.novusoptimum.com

Optimum Health International, LLC

257 East Center St.
Manchester, CT 06040
USA
800-228-1507
www.opthealth.com

SaunaRay

864 Hurontario St.
Collingwood, ON L9Y 2M8
Canada
877-992-1100
www.saunaray.com

Scenar Health USA

2620 Regetta Dr., Ste. 102
Las Vegas, NV 89128
USA
702-553-1080
www.scenarhealth.us

Sun Chlorella USA

3305 Kashiwa St.
Torrance, CA 90505
USA
800-829-2828 x 2604
www.sunchlorellausa.com

Synergy 5 Star

5255 W. 11000 North, Ste. 225
Highland, UT 84003
USA
801-770-6896
www.zerostrokes.com

TDP Global Health & Wellness, Inc.

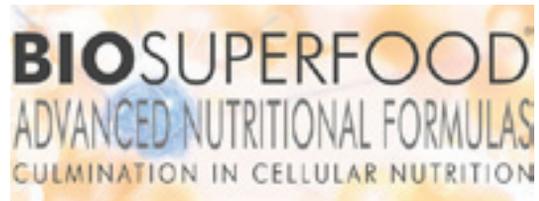
PO Box 78
Somers Point, NJ 08244
USA
888-992-5528
www.alkav.com

ZYTO

387 S. 520 West St., Ste 200
Lindon, UT 84042
USA
866-369-2265
www.zyto.com

BIOAGE

4600 Witmer Industrial Est., Ste. 6
Niagara Falls, NY 14305
USA



BIOAGE
Advanced Nutritionals
4600 WITMER INDUSTRIAL EST. #6
NIAGARA FALLS, NY 14305
Tel.: 303-683-8116
Web: www.bioage.com
Email: info@bioage.com

303-683-8113
www.bioage.com

BodyLogicMD, Inc.

5000 T-Rex Ave., Ste. 200
Boca Raton, FL 33431
USA



Your Practice. Our Solution. The Future. BodyLogicMD is the nation's largest franchise of highly trained physician-owned practices specializing in bioidentical hormones integrated with customized fitness and nutrition programs. With 23 offices nationally and rapidly expanding, we offer you a quick and successful approach to grow your practice. Find out about our Risk Free Guarantee. 888-625-8705

561-935-9478
www.bodylogicmd.com

Fisher Wallace Labs

515 Madison Ave., Ste 5W
New York, NY 10022
USA



Our flagship medical device, the FW-100 Cranial Stimulator has been shown to stimulate the brain's production of serotonin and dopamine while causing no negative side effects (see website for details). The Fisher Wallace Cranial Stimulator is portable and often reduces symptoms of depression, anxiety and insomnia within two weeks of daily use.

212-688-8100
www.fisherwallace.com

ASSOCIATIONS / EDUCATION**A4M Brazil**

24141 Ann Arbor Trail
Dearborn Heights, MI 48127
USA
313-561-6800
www.a4mbrasil.com

Digitell, Inc.

111 West 2nd St., 3rd Floor
Jamestown, NY 14701
USA
800-679-3646
www.digitellinc.com

Frequency Specific Seminars

3915 NE 38th St.
Vancouver, WA 98661
USA
360-695-7500
www.frequency-specific.com

HRT-Rx

5500 Military Trail, Ste. 22-218
Jupiter, FL 33458
USA
888-554-7879
HRT-Rx.com

COMPOUNDING PHARMACIES**Abrams Royal Pharmacy**

8220 Abrams Rd.
Dallas, TX 75231
USA
214-349-8000
www.abramsroyalpharmacy.com

AnazaoHealth Corporation

6630 W. Arby Ave., Ste. 102
Las Vegas, NV 89118
USA
800-723-7455
www.anazaohealth.com

ANERx

523 Parkway View Dr.
Pittsburgh, PA 15205
USA
877-788-8908
www.anerx.com

Apothecure, Inc.

4001 McEwen Rd., Ste. 100
Dallas, TX 75244
USA
800-969-6601 / 972-960-6601
www.apothecure.com

Central Drugs

520 W. La Habra Blvd.
La Habra, CA 90631
USA
562-691-6754
www.centraldrugsrx.com

College Pharmacy

3505 Austin Bluffs Pkwy., Ste. 101
Colorado Springs, CO 80918
USA
719-262-0022
www.collegepharmacy.com

CompoundMD

2125 State St., Ste. 17
New Albany, IN 47150
USA
502-298-9085
www.compoundmd.com

Essential Pharmacy Compounding

620 N. 114 St.
Omaha, NE 68154
USA
888-733-0300
www.epcpharmacy.com

Franck's Compounding Lab

1210 SW 33rd Ave.
Ocala, FL 34474
USA
800-622-4510
www.francks.com

Harbor Compounding Pharmacy

2000 Harbor Blvd., Ste. 200
Costa Mesa, CA 92627
USA
800-564-1565
www.harborcompounding.com

Key Pharmacy Compounding Center

23422 Pacific Highway S.
Kent, WA 98032
USA
800-878-1322
www.keycompounding.com

MedQuest Solutions

669 West 900 N.
North Salt Lake, UT 84054
USA
888-222-2956
www.mqrx.com

One Stop Pharmacy

3193 Tech Dr., Ste. B
St. Petersburg, FL 33716
USA
877-561-9080
www.onestoppharmacyinc.com

Women's International Pharmacy

2 Marsh Ct.
Madison, WI 53718
USA
800-279-5708
www.womensinternational.com

University Compounding Pharmacy

1875 3rd Ave.
San Diego, CA 92101
USA



UCP is a compounding pharmacy that is board accredited by PCAB. This certification assures that you are getting the highest quality compounds. UCP compounds a wide variety of compounded medications used in the age management market. We deliver anywhere in the USA. See our website at www.ucprx.com.

619-683-2005
www.ucprx.com

Medicine for the Skin



Maxika

- Provides firming action and instant lifting
- Energy-stimulating biomodulins
- Improves skin's firmness and elasticity
- Totally natural formula



Kycell

- Eliminates fine lines and wrinkles
- Anti-stress soother
- Totally natural formula



Optimal Dermatological Therapy
www.kuhravital.ch
www.kuhravital.com



USA Manufacturer Under Exclusive
License of KuhraVital Switzerland
1.954.938.8828
www.kurabiolabs.com

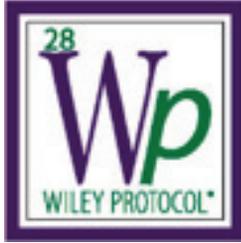


Exclusive World-Wide Distributor
1.800.993.1252
www.biopharmainternational.com



Wiley Systems

PO Box 23932
Santa Barbara, CA 93121
USA



Wiley Systems unites 60 pharmacies with 350 providers on four continents in a common goal to standardize bio-identical hormones for academic research. Wiley Systems offers customized packaging designed to increase patient compliance and accurately titrate dosing for the Wiley Protocols. Pharmacies that join us are eligible for future NIH study.

805-565-7508
www.thewileyprotocolsystems.com

COMPUTERS / EMR**Canfield Imaging Systems**

253 Passaic Ave.
Fairfield, NJ 07004
USA

973-276-0336
www.canfieldsci.com

CNS Vital Signs

598 Airport Blvd., Ste. 1400
Morrisville, NC 27560
USA

888-750-6941
www.cnsvs.com

eMedical Fusion, LLC

8229 Boone Blvd., Ste. 280
Alexandria, VA 22312
USA

703-260-1306
www.emedicalfusion.com

PhysioAge Systems

30 Central Park S.
New York, NY 10019
USA

877-888-3210
www.physioagesystems.com

Prime Clinical Systems, Inc.

3675 E. Huntington Dr., Ste. A
Pasadena, CA 91107
USA

626-449-1705
www.primeclinical.com

COSMECEUTICALS**Ayush Herbs**

2239 152nd Ave., NE
Redmond, WA 98052
USA

425-637-1400
www.ayush.com

Biotivia

1 River Pl., Ste 1001
New York, NY 10036
USA

866-658-7800
www.biotivia.com

Clarity RX Clinical Skin Care

3537 Old Conejo Rd., Ste. 107
Newbury Park, CA 91320
USA

888-980-7770
www.clarityclinicalskincare.com

Jan Marini Skin Research, Inc.

6951 Via Del Oro
San Jose, CA 95119
USA

800-347-2223
www.janmarini.com

Physiodermie

4930 Bois Franc
St. Laurent, QC H4S 1A7
Canada
800-263-8888
www.derme.ca

Regeron, Inc.

103 BIO-2, Hi-Tech Venture Town 38 Gangbyun-Ro
Chuncheon, Kangwon-Do 200-161
South Korea
+82-33-258-6262
www.regeron.com

Stem Cell Mask, LLC

200 Cordin Pl., Ste. 3R
Brooklyn, NY 11235
USA
212-521-4310
www.stemcellmask.com

Stem Cell Mask, LLC

200 Cordin Pl., Ste. 3R
Brooklyn, NY 11235
USA



SCM Forte™ is an active cosmetic serum for professional use. It is sold as a Uni-Dose Sterile Unit (15ml) in an airless bottle. SCM Forte™ was created for doctors as the ultimate complement for all skin resurfacing procedures.

212-521-4310
www.stemcellmask.com

DENTAL**Liquid Smile**

7437 S. Eastern Ave., Ste. 200
Las Vegas, NV 89123
USA
888-954-7843
www.liquidsmile.com

Regen Lab

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland



RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

41218643800
www.regenlab.com

DERMATOLOGY**DEKA Medical**

665 Third St., Ste. 20
San Francisco, CA 94107
USA
877-844-5552
www.dekamedinc.com

Protocadmus Technologies Spain S.L.

E-78 Sixteenth Sq., AFE, Okhla
New Delhi, 110025
India
919811137145
www.proesthetic.us

Regen Lab

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland



RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

41218643800
www.regenlab.com

DIAGNOSTIC SERVICE / LABORATORIES**Age Diagnostic Laboratories**

852 S. Military Trail
Deerfield Beach, FL 33442
USA
877-983-7863
www.ADLTests.com

American Metabolic Laboratories

1818 Sheridan St., Ste. 102
Hollywood, FL 33020
USA
954-929-4814
www.americanmetabolclaboratories.net

Biophysical Corporation

10801-2 North Mopac Expressway, Ste. 140
Austin, TX 78759
USA
512-623-4900
www.biophysicalcorp.com

Cardio Crusaders

11722 Light Fall Ct.
Columbia, MD 21044
USA
855-US-Cardio
www.cardiocrusaders.com

Cell Science Systems / ALCAT

852 S. Military Trail
Deerfield Beach, FL 33442
USA
800-872-5228
www.ALCAT.com

Diagnos-Techs, Inc.

19110 66th Ave., S. Bldg. G
Kent, WA 98032
USA
800-878-3787
www.diagnostechs.com

G-Tech

3736 Panarama Dr.
Saratoga Springs, UT 84045
USA
801-766-3929
www.asyra.com

Genova Diagnostics

63 Zillicoa St.
Asheville, NC 28801
USA
800-552-4762
www.gdx.net

HairCheck

12188 SW 128th St.
Miami, FL 33186
USA
305-253-9200
www.haircheck.com

Hormone Labs

2760 W. Oakland Park Blvd.
Fort Lauderdale, FL 33311
USA
877-511-5227
www.hormonelabs.com

INOHealth Products

8601 Six Forks Rd., Ste. 400
Raleigh, NC 27616
USA
919-676-5334
www.inohealth.com

Labrix Clinical Services

619 Madison St., Ste. 100
Oregon City, OR 97045
USA
877-656-9596
www.labrix.com

Meridian Valley Laboratories

801 SW 16th St., Ste. 126
 Renton, WA 98057
 USA
 425-271-8689
 www.meridianvalleylab.com

Path Medical

185 Madison Ave.
 New York, NY 10016
 USA
 888-304-PATH
 www.pathmed.com

Metamatrix Clinical Laboratory

3425 Corporate Way
 Duluth, GA 30096
 USA
 800-221-4640
 www.metamatrix.com

Rhein Consulting Labs

4475 SW Scholls Ferry Rd., Ste. 101
 Portland, OR 97225
 USA
 503-292-1988
 www.rheinlabs.com

NeuroScience, Inc.

373 280th St.
 Osceola, WI 54020
 USA
 888-342-7272
 www.neuroscienceinc.com

Sage Medical Laboratory

1400 Hand Ave., Ste. L
 Ormond Beach, FL 32174
 USA
 800-491-9511
 www.sagemedlab.com

NutraTest

4646 North Shallowford Rd., Ste. N
 Dunwoody, GA 30338
 USA
 678-736-6374
 www.nutratetestlabs.com

SpectraCell Laboratories, Inc

10401 Town Park Dr.
 Houston, TX 77072
 USA
 800-227-5227
 www.spectracell.com

Getting Real with RELEANA®

OFFERING THE ONLY MEDICAL-GRADE PATENTED SUB-LINGUAL hCG WEIGHT LOSS PROGRAM - RELEANA®

Visit us at **Booth 245** at the 18th Annual World Congress on Anti-Aging Medicine & Regenerative Biomedical Technologies and learn about how **Releana®** can help your patients lose weight and increase your bottom line.

Enter to win an iPad every day during the show!

Hear one of America's foremost experts on hCG - **Releana®** founder and President Deirdre S. Tuntland - PA-C, discuss "hCG and Weight Loss: Facts vs Myths" - **Friday, December 10, 2010 at 2:30 pm - 3:00 pm.**

www.Releana.com or Toll Free (877) 446-5803 ext.706

You Test You Cancer Assessment

6777 Nancy Ridge Dr.
San Diego, CA 92121
USA
877-496-8837
www.youtestyou.com

ZRT Laboratory

8605 SW Creekside Pl.
Beaverton, OR 97008
USA
866-600-1636
www.zrtlab.com

US BioTek Laboratories

13500 Linden Ave. N.
Seattle, WA 98133
USA



COLA Laboratory Award of Excellence recipient. Leader in ELISA-based testing; IgA/IgE/IgG for Foods/Inhalants/Common Analgesics, Candida and Cellac. Metabolic Profiling, Environmental Pollutants and Steroid Hormone testing from urine via GC/MS & LC/MS/MS. CLIA-certified and accredited, COLA-compliant and CAP-surveyed. Competitively Priced. Innovative Specimen Collection Technologies "No Liquid Specimen Required for most assays." Serving the World.

877-318-8728
www.usbiotek.com

Precision Laser Therapy

3690 Orange Pl., Ste. 115
Beachwood, OH 44122
USA
800-310-2662
www.precisionlasertherapy.com

Transdermal Cap, Inc.

920 Chestnut Run
Gates Mills, OH 44040
USA
440-241-1846
www.lasercap.us

Regen Lab

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland



RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

41218643800
www.regenlab.com

HAIR REJUVENATION

Apira Science

100 Bayview Cir.
Newport Beach, CA 92660
USA
949-854-9900
www.theigrow.com

Midwest RF

1050 Walnut Ridge Dr.
Hartland, WI 53029
USA
262-367-6925
www.midwestrf.com

HOLISTIC MEDICINES

Alan R. Gaby, MD

12 Spaulding St.
Concord, NH 03301
USA
603-225-0134
www.doctorgaby.com

Ardyss International

360 E. 72nd St., Ste. 1A
New York, NY 10021
USA
917-882-0181
www.ardyslife.com/doctorh

Argentyn 23 by Natural-Immunogenics Corp.

3265 W. McNab Rd.
Pompano Beach, FL 33069
USA
888-328-8840
www.natural-immunogenics.com

King Bio

3 Westside Dr.
Asheville, NC 28806
USA
800-543-3245
www.safecarex.com

Ondamed Inc.

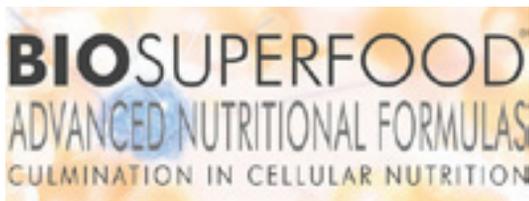
2570 Route 9W
Cornwall, NY 12518
USA
845-534-0456
www.ondamed.net

Scientific Biologics

28100 Bouquet Canyon Rd., Ste. 212
Saugua, CA 91350
USA
661-296-7400
www.aerialdynamics.net

BIOAGE

4600 Witmer Industrial Est., Ste. 6
Niagara Falls, NY 14305
USA



BIOAGE
Advanced Nutritionals
4600 WITMER INDUSTRIAL EST. #6
NIAGARA FALLS, NY 14305
Tel.: 303-683-8116
Web: www.bioage.com
Email: info@bioage.com

303-683-8113
www.bioage.com

HYPERBARIC / OXYGEN THERAPIES

OxyHealth, LLC

10719 Norwalk Blvd.
Santa Fe Springs, CA 90670
USA
877-789-0123
www.oxyhealth.com

**INSURANCE / FINANCE /
PRACTICE MANAGEMENT / MARKETING**

AhHa Press Inc.

11903 Southern Blvd., Ste. 208
Royal Palm Beach, FL 33411
USA
561-784-7852
www.alsearsmd.com

Allied Health Association

5420 S. Quebec St., Ste. 102
Englewood, CO 80111
USA
800-444-7546
www.alliedhealth.net

American Express OPEN

200 Vessey St.
New York, NY 10285
USA
212-640-2000
www.open.com

Holtorf Medical Group

23456 Hawthorne Blvd., Bldg. 5, Ste. 160
Torrence, CA 90505
USA
310-375-2705
www.HoltorfMed.com/Franchise

**LocateADoc.com - PracticeDock /
Mojo Interactive**

1060 Woodcock Rd.
Orlando, FL 32803
USA
877-665-6798
www.practicedock.com

Maxim Yutsis Wealth Management

122 East 42nd St., Ste. 4900
New York, NY 10168
USA
212-490-4590
www.maxwealthonline.com

MD-Ware Software

1788 Drew Rd., Ste. A
Mississauga, ON L5S 1L7
Canada
800-798-6199
www.mdware.com

National Risk Experts, LLC

11380 Prosperity Farms Rd., Ste. 113
Palm Beach Gardens, FL 33410
USA
561-775-2588
www.nationalriskexperts.com

Prime Life Integrative Medicine

610 Kingsmill Cove, Ste. 210
Lake Mary, FL 32746
USA
888-818-8550
www.primelifemed.com

Professional Liability Solutions, LLC

7421 Carmel Executive Park
Charlotte, NC 28226
USA
800-871-6871
www.professionalliabilitysolutions.net

Radiant Life

1910 Jacob St.
Wheeling, WV 26003
USA
877-754-3308
www.radiantlifemagazine.com

WebToMed

2700 S. River Rd., Ste. 100
Des Plaines, IL 60018
USA
866-999-8550
www.webtomed.com

Yodle

50 W. 23rd St., Ste. 401
New York, NY 10010
USA
646-753-6312
www.yodle.com

YourCity.MD

209 S. West St.
Mason, OH 45040
USA
877-796-8724
www.YourCity.MD

MED SPA / EQUIPMENT**DEKA Medical**

665 Third St., Ste. 20
San Francisco, CA 94107
USA
877-844-5552
www.dekamedinc.com

Edge Systems Corporation

2277 Redondo Ave.
Signal Hill, CA 90755
USA
800-603-4996
www.skinhealthforlife.com

General Physiotherapy Inc.

13222 Lakefront Dr.
St. Louis, MO 63045
USA
314-291-1442
www.g5.com

Global Source Products

2027 Alga Rd.
Carlsbad, CA 92009
USA
888-466-1566
www.proiondetox.com

Nouveau Contour

189 S. Orange Ave., Ste. 110
Orlando, FL 32801
USA
877-628-7201
www.nouveaucontourusa.com

Nuskin

2251 N. Rampart Blvd., Ste. 353
Las Vegas, NV 89128
USA
702-363-5343
www.nsevideos.com

Ondamed Inc.

2570 Route 9W
Cornwall, NY 12518
USA
845-534-0456
www.ondamed.net

TRUST. IN NUTRITIONAL HEALTH



STOP BY BOOTH #826 FOR A FREE SAMPLE OF THESE TWO EXCITING NEW PRODUCTS!

Douglas Laboratories is participating in the Mercedes-Benz giveaway.
Stop by our booth (#826) to have your entry card validated!

ORGANIC Greens&Reds Enjoy The Benefits of Fruits and Vegetables

Great tasting and mixes
great with water or juice

400% of the Daily Value
for Vitamin C

Supplies fiber and
digestive enzymes

A wide assortment
of organic fruits and
vegetables

**Free Shaker Cups Available While
Supplies Last.**

All the benefits you look for with a taste you'll love!

For Kids...Omega Soft™ DHA
Natural Orange Flavor

For Adults...Omega Soft™ EPA
Natural Lemon Flavor



 **DOUGLAS
LABORATORIES**

Pharmanex

2251 N. Rampart Blvd., Ste. 353
Las Vegas, NV 89128
USA
702-363-5343
www.vitalityoverview.com

Pillo 1

PO Box 6727
Malibu, CA 90264
USA
310-457-2004
www.pillo1.com

Sciton

925 Commercial St.
Palo Alto, CA 94303
USA
650-493-9155
www.sciton.com

Starbene

David Luque 519
Cordoba,
Argentina
543514240051
www.starbene.com

Neurotris

9450 7th St., Ste. J
Rancho Cucamonga, CA 91730
USA



Press Release NEW Advancements in MICRO, NANO & PICO technology

The Neurotris SX series are full body sculpting machines utilizing advanced NANO technology that incorporates unique specific frequencies and signatures that achieve inch-loss, muscle building, body toning, facial rejuvenation, wrinkle reduction, and face lifting.

877-929-9920
www.neurotris.com

MEDICAL EQUIPMENT / SUPPLIES**ACIGI Relaxation / Fujiiryoki**

4399 Ingot St.
Fremont, CA 94538
USA
510-651-9088
www.drFuji.com

AdiStem USA

100 Wilshire Blvd., Suite 950
Santa Monica, CA 90401
USA
800-240-6480
www.adistem.com

BTL Industries, Inc.

312 Long Pointe Ln.
Columbia, SC 29229
USA
866-285-1656
www.btlusa.com

Center For Hearts (Forevergreen)

57 Coachwood Point
Lethbridge, AB T1K 6B1
Canada
877.554.2956
www.CenterForHearts.com

Clear Mind Center

804 Marinella Aisle
Irvine, CA 92606
USA
949-222-1020
www.clearmindcenter.com

Colonic.net

10911 West Ave.
San Antonio, TX 78213
USA
210-308-8888
www.colonic.net

CryoProbe US

PO Box 480895
Kansas City, MO 64148
USA
816-348-8900
www.cryoprobe-us.com

Cynosure, Inc.

5 Carlisle Rd.
Westford, MA 01886
USA
978-256-4200
www.cynosure.com

DEKA Medical

665 Third St., Ste. 20
San Francisco, CA 94107
USA
877-844-5552
www.dekamedinc.com

Enagic USA - Kangen Water

28605 118th Ave. SE
Auburn, WA 98092
USA
206-406-8720
www.uneedgoodwater.com

Itamar Medical

842 Upper Union St., Ste. 2
Franklin, MA 02038
USA
888-748-2627
www.itamar-medical.com

Korr Medical Technologies

2463 S. 3850 W., Bldg. 200
Salt Lake City, UT 84120
USA
801-483-2080
www.korr.com

Ondamed Inc.

2570 Route 9W
Cornwall, NY 12518
USA
845-534-0456
www.ondamed.net

Palomar Medical Technologies

15 Network Dr.
Burlington, MA 01803
USA
781-993-2300
www.palomarmedical.com

Renua Medical a Health First Technologies Co.

655 Hwy 50 E., Ste. 1
Dayton, NV 89403
USA
877-885-1258
www.renuamedical.com

Sandstone Medical Technologies

105 Citation Ct.
Homewood, AL 35209
USA
205-290-8251
www.sandstonemedicaltechnologies.com

Santa Barbara Medical Innovations

5550 LBJ Freeway Ste. 800
Dallas, TX 75069
USA
214-722-9600
www.sbmi.com

Spectron IR

115 W. Stewart Ave., Ste. 201
Medford, OR 97501
USA
541-494-1011
www.spectronir.com

Vax-D Medical Technologies

310 Mears Blvd.
Oldsmar, FL 34677
USA
813-343-5000
www.vaxd.com

Viora

30 Montgomery St., Ste. 660
Jersey City, NJ 07302
USA
201-332-4100
vioramed.com

MEDICAL PUBLICATIONS / DIRECTORIES**Elsevier, Inc.**

900 Twinspur Ct.
Henderson, NV 89002
USA
702-205-8740
www.elsevier.com

Living Younger Preventive-Aging Medicine & Business System

10371 N. Oracle Rd., Ste. 205
Oro Valley, AZ 85737
USA
520-229-1900
www.livingyoungerpreventive-aging.com

Medesthetics Magazine

7628 Densmore Ave.
Van Nuys, CA 91406
USA
800-442-5667
www.medestheticsmagazine.com

Smart Publications

PO Box 4667
Petaluma, CA 94955
USA
800-976-2783
www.smart-publications.com

The American Chiropractor

8619 NW 68th St., Ste 138
Miami, FL 33166
USA
888-668-8728
www.TheAmericanChiropractor.com

Wiley Systems

PO Box 23932
Santa Barbara, CA 93121
USA
805-565-7508
www.thewileyprotocolsystems.com

MESOTHERAPY / HORMONE THERAPIES**Sottopelle**

8580 E. Shea Blvd., Ste 140
Scottsdale, AZ 85260
USA
877-476-8867
www.sottopelletherapy.com

BodyLogicMD, Inc.

5000 T-Rex Ave., Ste. 200
Boca Raton, FL 33431
USA



Your Practice. Our Solution. The Future. BodyLogicMD is the nation's largest franchise of highly trained physician-owned practices specializing in bioidentical hormones integrated with customized fitness and nutrition programs. With 23 offices nationally and rapidly expanding, we offer you a quick and successful approach to grow your practice. Find out about our Risk Free Guarantee. 888-625-8705

561-935-9478
www.bodylogicmd.com

Regen Lab

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland



RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

41218643800
www.regenlab.com

MISC**AAG Health & Wellness**

20800 W. Dixie Hwy.
Aventura, FL 33180
USA
305-682-1818
www.aaghealth.com

Centers for Health Promotion, Inc.

2825 N. University Dr., Ste. 410
Coral Springs, FL 33065
USA
954-227-1540
www.lipodr.com

Incredible Marketing

16441 Scientific Way, Ste. 202
Irvine, CA 92618
USA
800.949.0133
www.IncredibleMarketing.com

LifeWave

1020 Prospect St., Ste. 200
La Jolla, CA 92037
USA
800 983-9303
www.HumanBioEnergetics.com

Sangeeta Pati, MD, FACOG

954 Lake Baldwin Ln.
Orlando, FL 32814
USA
407-478-9797
www.sajune.com

A.C. Grace Company

PO Box 570
Big Sandy, TX 75755
USA
903-636-4368
www.acgrace.com

Solanova, LLC.

7110 Redwood Blvd., Ste. A
Novato, CA 94945
USA
415-892-3880 x 113
www.Solanova.com

Aidan Products

2223 W. Pecos Rd., Ste. 6
Chandler, AZ 85224
USA
480-756-8900
www.aidanproducts.com

US Jaclean, Inc.

1816 W. 135th St.
Gardena, CA 90249
USA
310-538-2298
www.usjaclean.com

Allergy Research Group

2300 North Loop Rd.
Alameda, CA 94502
USA
510-263-2000
www.allergyresearchgroup.com

NUTRACEUTICALS

AMARC Enterprises (poly-MVA)

1339 Broadway
San Diego, CA 92021
USA
866-765-9682
www.polymva.com



A **Powerful** and **Essential** business resource serving the medical aesthetics industry

- **Revealing interviews** with medical directors of successful medical aesthetic practices
- **Product reviews** and **in-depth coverage** of the latest equipment
- **Reports** on service trends, legal and legislative issues, marketing ideas and management resources

To subscribe call: **800.624.4196**
or visit **medestheticsmagazine.com**

Advertising Information Contact:
Jerry Lovell, Associate Publisher
at 800.442-5667, ext. 509
or jlovell@creativeage.com

Creative Age also publishes
DAYSPA, Launchpad, Nailpro
and *Beauty Store Business*
creativeage.com



American BioSciences Inc.

560 Bradley Parkway, Ste. 4
Blauvelt, NY 10913
USA
888-884-7770
www.americanbiosciences.com

DaVinci Laboratories

20 New England Dr.
Essex Junction, VT 05452
USA
800-325-1776
www.davincilabs.com

American Biotech Labs

80 W. Canyon Crest Rd.
Alpine, UT 84004
USA
801-756-1000
www.americanbiotechlabs.com

Delgado Protocol

4121 Westerly Pl., Ste. 114
Newport Beach, CA 92660
USA
866-319-0566
www.delgadoprotocol.com

American Herbal Labs

8526 E. Garvey Ave.
Rosemead, CA 91770
USA
626-307-0928
www.newvita.com

Designs for Health

980 South St.
Suffield, CT 06078
USA
800-847-8302
www.designsforhealth.com

Aminocare Products, L.P

9432 Katy Freeway, Ste. 200
Houston, TX 77055
USA
713-335-5675
www.aminocare.com

Douglas Laboratories

600 Boyce Rd.
Pittsburgh, PA 15205
USA
800-245-4440
www.douglaslabs.com

ASEA

PO Box 100
Randleman, NC 27317
USA
336-653-6930
www.aseawins.com

FJV Nutritionals

1991 Marcus Ave.
Lake Success, NY 10042
USA
877-747-8427
www.antiglycationformula.com

Bioenergy Life Science, Inc.

13840 Johnson St. NE
Minneapolis, MN 55304
USA
763-757-0032
www.corvalenrx.com

Future Formulations

PO Box 26021
Tucson, AZ 85726
USA
800-357-5027
www.adrenalfatigue.org

BioPharma Scientific

9010 Kenamar Dr., Ste. 101
San Diego, CA 92121
USA
877-772-4362
www.biopharmasci.com

GW Health

4001 Prado del Trigo
Calabasas, CA 91302
USA
818-591-9355
www.radiantgreens.com

Complimed, AllVia, Oakmont Labs

304 Shelburne Center Rd.
Shelburne Falls, MA 01370
USA
800-272-1754
complimed.com, allviahealth.com, oakmontlabs.com

Health Secrets USA

24141 Ann Arbor Trail
Dearborn Heights, MI 48127
USA
313-561-6800
www.healthsecretusa.com

Home First Health Services

6648 N. Fairfield Ave.
Chicago, IL 60645
USA
866-395-1881
www.homefirst.com

HP LifeScience

707 24th Ave. W.
Bradenton, FL 34205
USA
866-559-8548
www.hplifescience.com

Jusuru

3635 S. Fort Apache Rd., Ste. 200-7
Las Vegas, NV 89147
USA
818-998-7778
www.DoJusuru.com

Kavalia Health Products

8 East Broadway, Ste. 428
Salt Lake City, UT 84111
USA
801-532-3029
www.kavaliainc.com

Kurabiol Laboratories

1101 NW 51 St.
Fort Lauderdale, FL 33309
USA
954-938-8828
www.kurabiolabs.com

Life Extension

1100 W. Commercial Blvd.
Ft. Lauderdale, FL 33309
USA
888-884-3657
www.lifeextension.com

LivOn Laboratories

2654 W. Horizon Ridge Pkwy., Ste. B-5 Dept. 108
Henderson, NV 89052
USA
866-790-2107
www.livonlabs.com

MD Prescriptives

4767 New Broad St.
Orlando, FL 32814
USA
877-963-7737
www.mdprescriptives.com

Metabolic Maintenance

PO Box 940
Sisters, OR 97759
USA
541-549-7800
www.metabolicmaintenance.com

Metagenics, Inc.

100 Avenida La Pata
San Clemente, CA 92673
USA
800-692-9400
www.metagenics.com

Natural Clinician

47 Center Dr.
Little Falls, NJ 07424
USA
973-256-4660
www.naturalclinician.com

Nature's Oracles

2247 East 3700 N.
Layton, UT 84040
USA
801-660-9681
www.naturesoracles.com

NuMedica

9503 E. 55th Pl.
Tulsa, OK 74145
USA
866-787-5175
www.numedica.com

Nutramedix

2885 Jupiter Park Dr., Ste. 1600
Jupiter, FL 33458
USA
561-745-2917
www.nutramedix.com

Nutrilab/CustomVite

PO Box 865 Docks Corner Rd.
Dayton, NJ 08810
USA
800-379-9979
www.customvite.com

Orenda International

1180B S. Mount Shasta Blvd.
Mount Shasta, CA 96067
USA
530-926-1000
www.orendalive.com/30929

Ortho Molecular Products

3017 Business Park Dr.
Stevens Point, WI 54482
USA
800-332-2351
www.orthomolecularproducts.com

PhysioLogics

2100 Smithtown Ave.
Ronkonkoma, NY 11779
USA
800-765-6775
www.physiolitics.com

Premier Research Labs

3500 Wadley Pl., Bldg B
Austin, TX 78728
USA
800-325-7734
www.prlabs.com

Priority One Nutritional Supplements, Inc.

2681 Delta Ring Rd.
Ferndale, WA 98248
USA
800-443-2039
www.priorityonevitamins.com

Prothera, Inc.

10439 Double R Blvd.
Reno, NV 89521
USA
888-488-2488
www.protherainc.com

Protocol For Life Balance

395 S. Glen Ellyn Rd.
Bloomington, IL 60108
USA
877-776-8610
www.protocolforlife.com

Pure Encapsulations

490 Boston Post Rd.
Sudbury, MA 01776
USA
800-753-2277
www.PureCaps.com

Quality of Life Labs

2975 Westchester Ave., Ste. G01
Purchase, NY 10577
USA
877-937-2422
www.q-o-l.com

Rejuvenation Science

811 N. Catalina Ave., Ste. 3208
Redondo Beach, CA 90277
USA
888-737-3588
www.rejuvenation-science.com

Researched Nutritionals

PO Box 224
Los Olivos, CA 93441
USA
800-755-3402
www.researchnutritionals.com

Seroyal

827 N. Central Ave.
Wood Dale, IL 60191
USA
888-737-6925
www.seroyal.com

Standard Process Inc.

1200 W. Royal Lee Dr.
Palmyra, WI 53156
USA
800-848-5061
www.standardprocess.com

Stem Cell Products, LLC

3350 Palms Center Dr.
Las Vegas, NV 89103
USA
702-949-5995
www.stem120.com

TA Sciences

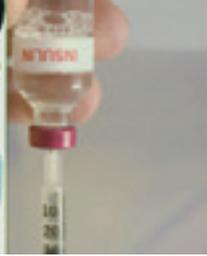
24 E. 64th St., 5th Floor
New York, NY 10065
USA
212-588-8805
www.tasciences.com

Terra Biological LLC

5033 Seachase St.
San Diego, CA 92130
USA
858-947-5722
www.benagene.com

Vital Choice

PO Box 4121
Bellingham, WA 98227
USA
800-608-4825
www.vitalchoice.com



Dr. Eisenstein has implemented the Metabolic Syndrome & HCG Weight Loss Protocol into his practice. He will teach you how to add his protocol into your practice.

*** Increase Revenue**

*** No Capital Investment**

*** Easy to Implement**

*** Low Maintenance**



September, 2009
334 Lbs.

**Dr. Eisenstein,
MD, JD, MPH**
**13 Months &
105 Lbs. lighter**
After following
the HCG
Protocol diet.



October, 2010
229 Lbs.

Results Typical!!

In the nine months since Dr. Eisenstein has offered this protocol to his patients, over 300 patients have lost more than 5 tons!!!!

Stop by Homefirst's Booth #108 to find out how you can implement Dr. Eisenstein's Protocol into your practice.

See One, Do One, Teach One

Vital Nutrients

45 Kenneth Dooley Dr.
Middletown, CT 06457
USA
888-328-9992
www.vitalnutrients.net

Vitamin Research Products

4610 Arrowhead Dr.
Carson City, NV 89706
USA
800-877-2447
www.cpmedical.net

Wellesley Therapeutics, Inc.

200 Gerrard St. E, Ste. 307
Toronto, ON M5A 2E6
Canada
866-359-5290
www.ulfimateglucosamine.com

World Health Products, LLC

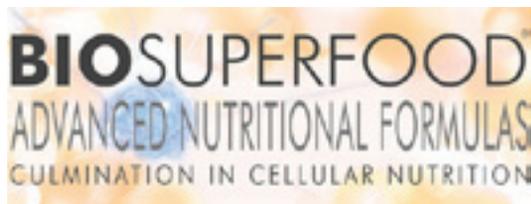
12685 South 125 East
Draper, UT 84020
USA
877-656-4553
www.detoxamin.com

Xion Medical, Inc

216 Willis Ave.
Roslyn Heights, NY 11577
USA
800-417-2040
www.xionmedical.net

BIOAGE

4600 Witmer Industrial Est., Ste. 6
Niagara Falls, NY 14305
USA



BIOAGE
Advanced Nutritionals
4600 WITMER INDUSTRIAL EST. #6
NIAGARA FALLS, NY 14305
Tel.: 303-683-8116
Web: www.bioage.com
Email: info@bioage.com

303-683-8113
www.bioage.com

Daiwa Health Development, Inc.

1411 W. 190th St., Ste. 375
Gardena, CA 90248
USA



Daiwa Health Development offers two specialty dietary supplements that deliver unmatched benefits to your patients. BRM4 is a broad spectrum immune modulator that impacts both the innate and adaptive components of the immune system. Plasmanex1 acts as a blood coagulation modulator. (877) 434-3633
www.dhmed.com

877-434-3633
www.dhmed.com

MD Prescriptives

4767 New Broad St.
Orlando, FL 32814
USA



MD Prescriptives is a practitioner exclusive manufacturer of nutritional supplements who seamlessly integrates natural ingredients with the latest scientific research to offer a line of nutritional products to the patient for maximum hormonal activation
www.mdprescriptives.com.

877-963-7737
www.mdprescriptives.com

Mushroom Wisdom, Inc.

1 Madison St., Bldg. F6
East Rutherford, NJ 07073
USA



Mushroom Wisdom is a global leader in medicinal mushroom supplements. Founded nearly twenty years ago to bridge Eastern wisdom and Western science, products include proven formulations derived from healthful Maitake, Shiitake, Lion's Mane, Reishi, Cordyceps, Meshima and Chaga mushrooms.

It's a complete mushroom supplement line, including products to support a healthy immune system; blood sugar; brain function; energy level; weight management and more.

800-747-7418
www.mushroomwisdom.com

PHARMACEUTICAL

Bellevue Pharmacy Solutions

1034 S. Brentwood Blvd., Ste. 102
St. Louis, MO 63117
USA
314-727-8787
www.bellevuex.com

Calmoseptine, Inc.

16602 Burke Ln.
Huntington Beach, CA 92647
USA
714-840-3405
www.calmoseptine.com

Hallandale Pharmacy

1109 E. Hallandale Beach Blvd.
Hallandale, FL 33009
USA
954-455-3822
www.hallandalex.com

International Antiaging Systems

PO Box 19
Sark Cl, GY9 05B
Great Britain
415-992-5563
www.antiaging-systems.com

Lawley Pharmaceuticals PTY LTD

Unit 2/ 15A Harrogate St.
West Leederville Perth, Western Australia 6007
Australia
+61 893880096 / 800-961-7813
www.horomonesolutions.com

MasterPharm LLC

115-06 Liberty Ave.
Richmond Hill, NY 11419
USA
866-630-5600
www.masterpharm.com

Medaus Pharmacy

6801 Cahaba Valley Rd., Ste 116
Birmingham, AL 35242
USA
800-526-9183 / 205-981-2352
www.medaus.com

The Suspension Lift of the future is here.



BEFORE



1 HOUR AFTER



Meet the Reynolds-Serdey Suture Suspension Lift system. *Best of its kind.*

Once upon a time, lifts required a surgeon to make large, dramatic incisions in order to create results. With Suture Suspension, however, small incisions combine with long internal sutures to contour and shape the face and body without resorting to such invasive and complex surgery. It is one of a kind. *It is the future.* Be among the first in your area to offer Suture Suspension!

- FACT** Minimally invasive Suture Suspension Lifts of the face, neck, breast and buttock are performed under local anesthesia with no scarring!
- FACT** Our lifts are created to last for a decade, unlike other lifts (Coffee Break, Feather, Aptos, and similar thread lifts) which are superficial.
- FACT** We provide everything you need to get started, including training (with up to 20 Category 1 CME Credits), needles and materials.
- FACT** A small investment allows you to launch a successful and lucrative practice in Suture Suspension Lifting.

FIND OUT EVEN MORE BY VISITING OUR BOOTH (#851) OR EMAILING SSL@LIPODR.COM

2825 N. University Dr.
Suite. 410
Coral Springs, FL
800-338-2322

Centers for Health Promotion, Inc.
Training & Preceptorship Division



lipodr.com/SSL

RLC Labs, Inc.

28248 N. Tatum Blvd., Ste. B1-629
Cave Creek, AZ 85331
USA
877-797-7997
www.rlclabs.com

Royal Palm Compounding Pharmacy

117 South State Rd. #7
Wellington, FL 33414
USA
561-784-0700
www.royalpalmcompoundingpharmacy.com

Slate Pharmaceuticals, Inc

318 Blackwell St., Ste. 240
Durham, NC 27701
USA
919-682-8800
www.festopel.com

Nordic Naturals

94 Hanger Way
Watsonville, CA 95076
USA



ProOmega provides exceptionally high levels of the omega-3 fats, EPA and DHA. It is ideal for people wanting high intensity, therapeutic support in a smaller serving. Our most popular concentrate, ProOmega supports healthy cardiovascular and respiratory function, joint flexibility and mobility, and the body's natural anti-inflammatory response.

831-724-6200
www.nordicnaturals.com

SPORTS / FITNESS / PHYSICAL THERAPIES

Cardio Infrared Technologies, Inc.

99 Fountainhead Cir.
Henderson, NV 89052
USA
801-558-9646
www.cardio-cor.com

Harvest Technologies Corp.

40 Grissom Rd., Ste. 100
Plymouth, MA 02360
USA
508-732-7500
www.harvesttech.com

Ondamed Inc.

2570 Route 9W
Cornwall, NY 12518
USA
845-534-0456
www.ondamed.net

QCA Spas / Therasauna

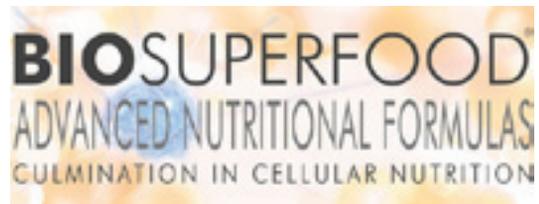
1021 State St.
Bettendorf, IA 52722
USA
563-359-3881
www.qcaspas.com

Renua Medical a Health First Technologies Co.

655 Hwy 50 E., Ste. 1
Dayton, NV 89403
USA
877-885-1258
www.renuamedical.com

BIOAGE

4600 Witmer Industrial Est., Ste. 6
Niagara Falls, NY 14305
USA



BIOAGE
Advanced Nutritionals
4600 WITMER INDUSTRIAL EST. #6
NIAGARA FALLS, NY 14305
Tel: 303-683-8116
Web: www.bioage.com
Email: info@bioage.com

303-683-8113
www.bioage.com


 Michael Buckley
 CEO - Lawley Pharmaceuticals

Lawley
 Pharmaceuticals



HormoneSolutions.com



AndroForte™ 5 www.hormonesolutions.com

Testosterone BP
 5.0% w/v (50mg/mL) Cream 50mL Net



Natragen www.hormonesolutions.com

Estradiol USP / Oestradiol
 0.2% w/v (2mg/mL) Cream 50mL Net



ProFeme® 10 www.hormonesolutions.com

Progesterone BP
 10% w/v (100mg/mL) Cream 50mL Net



AndroFeme® www.hormonesolutions.com

Testosterone BP
 1.0% w/v (10mg/mL) Cream 50mL Net



Lawley Pharmaceuticals manufactures and exports clinically trialed and GMP approved bio-identical hormone creams worldwide.



Visit stand 351 and enter the draw for the MERCEDES-BENZ AUTOMOBILE GIVEAWAY

Regen Lab

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland



RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

41218643800
www.regenlab.com

Stem Cell Institute

Via Isreal and Calle 66, PH Pacific Plaza Office 2B
Punta Pacifica, Panama City
Panama
+57-270-4649
www.cellmedicine.com

Regen Lab

en Budron B2
Le Mont sur Lausanne, Vaud, 1052
Switzerland



RegenLab, a R&D & manufacturer of Medical Devices for Regenerative Medicine; RegenKit-THT, for blood cells collection (PRP, platelet rich plasma & ATS, autologous Thrombin); new injection technique & volume correction. Regen-Extracell, for bone marrow aspiration.

41218643800
www.regenlab.com

STEM CELL THERAPIES**Ageless Aesthetic Institute**

330 Racquet Club Rd.
Weston, FL 33326
USA
800-420-2689
www.agelessaestheticinstitute.com

German Society for Thymus Therapy

Harvestehuder Weg 65
Hamburg, 20149
Germany
+49-1805-849687
www.thymus-therapie.org

Ondamed Inc.

2570 Route 9W
Cornwall, NY 12518
USA
845-534-0456
www.ondamed.net

WEIGHT MANAGEMENT**BioSpace, Inc.**

8820 Wilshire Blvd., Ste. 310
Beverly Hills, CA 90211
USA
310-358-0360
www.biospaceamerica.com

Body Solutions Systems

132 Chesterfield Commons E. Rd.
Chesterfield, MO 63005
USA
636-532-0700
www.bodysolutionsystems.com

HCGTrueDiet.com

1050 W. Pipeline Rd., Ste. 201
Hurst, TX 76053
USA
817-595-3800
www.hcgtruediet.com

Ideal Protein

178 Jean Proulx, Ste. 202
Gatineau, QC J8Z 1V3
Canada
866-314-4447
www.idealprotein.com

KDA Global

2500 N. Circle Dr.
Colorado Springs, CO 80909
USA
719-632-6887
www.kda-global.com

Ondamed Inc.

2570 Route 9W
Cornwall, NY 12518
USA
845-534-0456
www.ondamed.net

Pathway Genomics

4045 Sorrento Valley Blvd.
San Diego, CA 92121
USA
858-450-6600
www.pathway.com

Rejuvenate Living

4102 W. Linebaugh Ave.
Tampa, FL 33624
USA
813-802-9480
www.myweightsense.com

Releana® Corporation

4341 Birch St., Ste. 107
Newport Beach, CA 92660
USA
877-446-5803
www.releana.com

Take Shape for Life by WeightLossDoctor.net

135 S. Sierra Ave., Ste. 2
Solana Beach, CA 92075
USA
858-509-1778
www.newhealthprofessional.com

Neurotris

9450 7th St., Ste. J
Rancho Cucamonga, CA 91730
USA



Press Release NEW Advancements in MICRO, NANO & PICO technology

The Neurotris SX series are full body sculpting machines utilizing advanced NANO technology that incorporates unique specific frequencies and signatures that achieve inch-loss, muscle building, body toning, facial rejuvenation, wrinkle reduction, and face lifting.

877-929-9920
www.neurotris.com

ADVERTISERS INDEX

LAS VEGAS 2010

18th Annual World Congress on Anti-Aging Medicine and
Regenerative Biomedical Technologies, Winter 2010 Advertisers

| COMPANY | CONTACT INFO | PAGE # |
|------------------------------------|---------------------------------------|--------------------|
| A.C. Grace Company | www.acgrace.com | 188 |
| Abrams Royal Pharmacy | www.abramsroyalpharmacy.com | 95 |
| AdiStem USA | www.adistem.com | 47 |
| Age Diagnostic Laboratories | www.ADLTests.com | 191 |
| Ageless Aesthetic Institute | www.agelessaestheticinstitute.com | 24, 25 |
| Alma Lasers | www.almalasers.com | 6 |
| American Metabolic Laboratories | www.americanmetaboliclaboratories.net | 159 |
| Aminocare Products, L.P | www.aminocare.com | 63 |
| ANEWrx | www.anewrx.com | 119 |
| Apothecure, Inc. | www.apothecure.com | 169 |
| Bellevue Pharmacy Solutions | www.bellevuex.com | 199 |
| BodyLogicMD, Inc. | www.bodylogicmd.com | 79 |
| Cell Science Systems / ALCAT | www.ALCAT.com | 211 |
| Centers for Health Promotion, Inc. | www.lipodr.com | 233 |
| Central Drugs | www.centraldrugrx.com | 67, 107 |
| CompoundMD | www.compoundmd.com | 131 |
| Douglas Laboratories | www.douglaslabs.com | 223 |
| Essential Pharmacy Compounding | www.epcpharmacy.com | 103 |
| FJV Nutritionals | www.antiglycationformula.com | 151 |
| Genova Diagnostics | www.gdx.net | 75 |
| Hallandale Pharmacy | www.hallandalerx.com | 193 |
| Holtorf Medical Group | www.HoltorfMed.com/Franchise | 175 |
| Home First Health Services | www.homefirst.com | 231 |
| Ideal Protein | www.idealprotein.com | 51 |
| InnoVision Health Media, Inc. | www.imjournal.com | 93 |
| Jan Marini Skin Research, Inc. | www.janmarini.com | 35 |
| Jusuru | www.DoJusuru.com | 143 |
| Kurabiol Laboratories | www.kurabiolabs.com | 111, 165, 195, 215 |
| Lawley Pharmaceuticals PTY LTD | www.hormonesolutions.com | 235 |
| Life Extension | www.lifeextension.com | 71 |
| LifeWave | www.HumanBioEnergetics.com | 135 |
| MD Prescriptives | www.mdprescriptives.com | 123 |
| Medaus Pharmacy | www.medaus.com | 55 |
| Medesthetics Magazine | www.medestheticsmagazine.com | 227 |
| Metagenics, Inc. | www.metagenics.com | 239 |
| Metametrix Clinical Laboratory | www.metametrix.com | 91 |
| Nordic Naturals | www.nordicanaturals.com | 59 |
| Nuskin | www.vitalityoverview.com | 8, 9 |
| Nutrilab/CustomVite | www.customvite.com | 31 |
| Ondamed Inc. | www.ondamed.net | 26 |
| Ortho Molecular Products | www.orthomolecularproducts.com | 15 |
| Path Medical | www.pathmed.com | 83 |
| Releana® Corporation | www.releana.com | 219 |
| Sangeeta Pati, MD, FACOG | www.sajune.com | 139 |
| Sciton | www.sciton.com | 155 |
| SpectraCell Laboratories, Inc | www.spectracell.com | 41 |
| Sun Chlorella USA | www.sunchlorellausa.com | 181 |
| University Compounding Pharmacy | www.ucprx.com | 87, 163 |
| Vitamin Research Products | www.cpmedical.net | 147 |
| ZRT Laboratory | www.zrtlabs.com | 2 |

I treat people, not diseases.

That's why I use FirstLine Therapy by Metagenics. What is it? A science-based, *lifestyle medicine* program that helps doctors help their patients reverse chronic illness naturally. It's also a complete, turnkey system that makes implementing *lifestyle medicine* easy, and profitable.

In just over a week, our staff was fully trained and our program was up-and-running. From hands-on clinical instruction to helpful tips on insurance billing, the FirstLine Therapy team guided us every step of the way.

Now, our patients are thriving. My practice is growing. I'm making a difference, and loving what I do again.



To learn more, call us at

877 711 FIRST (34778)

or visit us online at

FirstLineTherapy.com



19th Annual World Congress on Anti-Aging Medicine and Biomedical Technologies

April 7-9, 2011 Orlando, Florida



90 + International Presenters with Topics including:

- Bio-identical Hormone Therapies including: DHEA – Melatonin – Estrogen – Progesterone – Testosterone
- Weight Management
- Stem cells
- Non-toxic Cancer Therapies
- Photodynamic Therapies
- Mitochondrial DNA Regeneration & Repair
- Metabolic Glucose Control
- Oxytocin Health & Happiness
- Detoxification for Gulf War Syndromes
- Hypoxic Altitude Training (for augmentation in Native stem cells)
- EECF (External counter pulsation) for heart circulation and the brain
- Thermography
- Gout and Metabolic Syndrome
- Platelet rich plasma
- Role of insulin and cortisone in the epidemic of obesity and metabolic syndromeX

Registration Fee includes:

- Unrestricted Access to All General and Breakout Sessions
- CME Credits
- Access to the Exhibit Hall
- Evening Workshops
- Tickets to the Welcome Reception
- and Much More!

This Conference is Your Opportunity to:

- Connect with 3000 + peers on the latest hot-button anti-aging issues
- Learn about the most recent advancements and technologies from leading experts
- Source cutting edge products from 300+ exhibitors
- Get ahead of your competition in this booming segment of the healthcare market

A4M Executive Officers



Ronald Klatz,
MD, DO
President



Robert Goldman,
MD, PhD, DO, FAASP
Chairman of the Board



Joseph C. Maroon, MD
Senior Vice President



Nicholas A. DiNoble, MD
Vice President



Marriott World Center Orlando World Center Marriott Resort & Convention Center

8701 World Center Drive Orlando, Florida 32821
Call 847-759-4270 for your preferred rate

1-888-997-0112
or visit www.worldhealth.net



**Limited space available
Call Today to reserve your seat**