TABLE OF CONTENTS				
1	Validating the Facts and Science of Anti-Aging Medicine: A Report on the State of the Clinical Specialty	1		
	An Interview by the Medical Committee on Aging Research and Education (MCARE) with			
2	Dr. Robert Goldman and Dr. Ronald Klatz Biological Torrain Account	25		
2	Biological Terrain Assessment Frank Shallenberger, M.D.	25		
3	Biomarkers of Aging: Applying the Paradigm of Menopause to Other Organs and Systems <i>Eric Braverman, M.D.</i>	33		
4	Body Radiosurgery for Primary Extracranial Tumors Gil Lederman, M.D.	35		
5	Skin Care Special	41		
(	Nicholas Perricone, M.D.	12		
6	Functional and Biological Markers of Aging Brice D. Fowler, M.D.	43		
7	Alzheimer's Update: New Approach to Diagnostics and Therapeutics	53		
8	<i>Michael Munzar, M.D.</i> Minimizing Obesity with Hormone Replacement Therapy	59		
Ť	Thierry Hertoghe, M.D.	• •		
9	Top 10 Anti-Aging Treatment Protocols for Your Practice	77		
10	David Leonardi, M.D.	20		
10	Anti-Aging Treatment With IV Nutrient Therapy Binyamin Rothstein, D.O.	89		
11	The Disappearance of Aging	97		
	Jeffrey S. McClanahan, M.D.	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
12	Slowing Brain Aging and Treating Neurodegenerative Diseases with Optimal Nutrition	103		
13	Robert Crayhon, M.S. Provocative Clinical Perspectives of Autoimmune-Related Conditions	109		
15	Bradley S. Rachman, D.C.	109		
14	Nonpharmacological Cardiovascular Therapies	121		
	Harvey Eisenberg, M.D.			
15	Toward Totally Endoscopic CABG	131		
16	Randall Wolf, M.D.	100		
16	Cerebral Blood Flow and Alzheimer's Disease: The Omental Transposition <i>William Regelson, M.D.</i>	133		
17	Falun Dafa: Health Benefits, Anti-Aging Effects, and Beyond	139		
	Jingduan Yang, M.D. and John Nania			
18	Use of the Internet and LEXCORE for a Unified Program of Computerized Data Collection and Analysis for Anti-Aging Diagnosis and Treatment	145		
	Catherine Cebula			
19	Novel Immunotherapy Against Cancer: Its Meaning in Anti-Aging Medicine	155		
	Setsuya Fujita, M.D., Ph.D., and Tsunataro Kishida, M.D., Ph.D.			
20	External Counterpulsation: A New Paradigm for Treating Angina and Congestive Heart	169		
	Failure George J. Jeutersonke, D.O.			
21	Detoxification as an Anti-Aging Tool	177		
	William Rea, M.D.	1//		
22	Hefty Concerns Raised by Obesity and Overweight	198		
	Dr. Ronald Klatz and Dr. Robert Goldman			

23	Introduction to Dysoxygenosis, A Molecular Pathway of Cellular Injury: Focus on Endothelial	209
	Biology	
	Majid Ali, M.D.	
24	Clinical Pathological Correlation of the Conduction System as Related to Aging and Common	219
	Cardiac Arrhythmias	
	Saroja Bharati, M.D.	
25	The Pause Model for Applied Anti-Aging Medicine	227
	Eric Braverman, MD	
26	Anti-Aging In a Plastic Surgery Practice	235
	James Carraway, M.D.	
27	Proprioceptive Deficit in the Geriatric Athlete	241
20	John W. Downes, D.C.	247
28	Allergy, the Immune System, and Anti-Aging	247
20	Dato Harnam, M.D.	255
29	24-Hour Urine Tests in Hormone Replacement Therapies: Which Tests to Ask for and How to	255
	Interpret Them Thierry Hertoghe, M.D.	
30	Laboratory Medicine for the Anti-Aging Practitioner	285
50	Brett Jacques, N.D.	285
31	Reversing Immunosenescence: Modulation of Impaired Immune Response in the Treatment and	297
51	Prevention of Chronic and Degenerative Disease	271
	Dan Kenner, Ph.D., L.Ac.	
32	The Women's Health Initiative Study: An Anti-Aging Medical Perspective	309
	Michael Klentze. M.D.	
33	Immunomodulation by Nutrition: A New Challenge for Milk-Derived Proteins and Peptides	315
	Marian L. Kruzel, Ph.D.	
34	Hormone Replacement Therapy: A Primer – DHEA, Estrogen, HGH, Melatonin, Progesterone,	325
	Testosterone, Thyroid	
	Roberta Morgan, M.D., D.O.	
35	Non-Invasive Techniques for Skin-Rejuvenation: Cutting Edge Topical Treatments and Non-	339
	Invasive Facial Rejuvenation Procedures	
26	S.K. Tan, M.D.	2.45
36	Decreasing Cellular Aging: Enhancing Immune Function and Cancer Prevention and Treatment	347
27	Floyd E. Taub, M.D.	265
37	Clinical Considerations in Conditioning and Exercise for Older Patients	365
38	<i>Coralee Van Egmond, D.C.</i> Efficacy of Vinpocetine in the Management of Cognitive Impairment and Memory Loss	375
30	Bernd Wollschlaeger, M.D., F.A.A.F.P.	515
39	Adult Growth Hormone Deficiency: A Higher Compliance Delivery System	385
59	Eric Braverman, MD	505
40	Jumpstarting The Arthritic Knee	391
	Robert DeJonge, D.O.	571
41	Anti-Aging and the Musculoskeletal System: Functional Assessment and Spinal Stabilization	395
-	Richard F. Gennaro, Jr., D.C.	
42	The New Science of Anti-Aging Hormone Replacement Therapy - A Multidimensional	405
	Approach	
	Michael Klentze. M.D., Ph.D.	
43	Demystifying the Wrinkle Cure	425
	Jennifer Nissen, ND	

44	Innovative Diagnosis and Treatment of Chronic Illness	433
	Carol Ann Ryser, M.D., F.A.A.P.	
45	Facial Liposuction	455
	Marcelo A. Suarez-Bigetti, M.D.	
46	Foot Pronation: How a Simple Biomechanical Dysfunction Accelerates the Aging Process -	459
I	Effective Diagnosis, Treatment, and Prevention	
	James Stoxen, DC	
47	State of the Art Anti-Aging Practice: Diagnostic Difficulties of the Andropause	473
	Robert S. Tan, M.D.	
48	Frontiers in Biopreservation Technology: Challenges for the Storage of Living tissues and	483
	Engineered Constructs	
	Michael J Taylor Ph.D. and Kelvin GM Brockbank, Ph.D.	
49	Arrival of the Triple-Digit Lifespan Through the Application of Biotechnologies: Towards	495
	Human Augmentation	
	Dr. Ronald Klatz and Dr. Robert Goldman	