

Contents

Preface	v
Contributors	xi
<i>Part I Scientific Background of Alzheimer's Disease</i>	
1 Genetics of Alzheimer's Disease and Related Disorders	3
<i>John Hardy</i>	
2 Neuropathology of Alzheimer's Disease	21
<i>Christian Schultz, Kelly Del Tredici, and Heiko Braak</i>	
3 Oxidative Stress in the Development of Alzheimer's Disease and Other Dementias	33
<i>Domenico Praticò</i>	
4 Metabolism and Alzheimer's Disease	39
<i>John P. Blass</i>	
<i>Part II Epidemiology</i>	
5 Alzheimer's Disease: Epidemiological and Statistical Data	51
<i>Brigitte Zoeller Richter and Ralph W. Richter</i>	
6 The Economic Burden of Alzheimer's Disease and Dementia	57
<i>Anders Wimo and Bengt Winblad</i>	
7 Potential and Established Risk Factors for Alzheimer's Disease	65
<i>Brigitte Zoeller Richter</i>	
<i>Part III Clinical Assessment</i>	
8 Medical Diagnosis and Workup of Alzheimer's Disease	75
<i>Ralph W. Richter</i>	
9 Neuroimaging Techniques: CT, MRI, SPECT, PET	89
<i>Norman L. Foster</i>	
10 Biological Markers in Alzheimer's Disease	103
<i>Ramon Diaz-Arrastia and Fred Baskin</i>	
11 The Neuropsychology of Alzheimer's Disease	109
<i>Kirsten I. Taylor and Andreas U. Monsch</i>	
12 Vascular Cognitive Impairment in Clinical Practice	121
<i>Kenneth Rockwood and Timo Erkinjuntti</i>	
13 Lewy Body Disease	127
<i>Robert Barber, Jane Newby, and Ian G. McKeith</i>	
14 Frontotemporal Lobe Dementia	137
<i>Malgorzata Franczak, Diana Kerwin, and Piero Antuono</i>	
<i>Part IV The Transitional Stage</i>	
15 Mild Forgetfulness: Distinguishing Early AD from Normal Aging	147
<i>Scott A. Small</i>	
16 Mild Cognitive Impairment: What the Physician Should Know	153
<i>Brigitte Zoeller Richter</i>	

17	Diagnosis of Predementia AD in a Clinical Setting	157
	<i>Pieter Jelle Visser</i>	
18	Loss of Olfactory Function in Patients With Alzheimer's Disease	165
	<i>Claire Murphy and Paul E. Gilbert</i>	
	<i>Part V Treatment Options</i>	
19	Treatment of Alzheimer's Disease: <i>Basic Considerations</i>	177
	<i>Brigitte Zoeller Richter and Ralph W. Richter</i>	
20	Donepezil in Treatment of AD	179
	<i>Ging-Yuek Robin Hsiung and Howard Feldman</i>	
21	Rivastigmine for Treatment of AD	187
	<i>Martin R. Farlow</i>	
22	Galantamine in Treatment of AD	193
	<i>M. Saleem Ismail and Pierre N. Tariot</i>	
23	Memantine in Treatment of AD	203
	<i>Hans Jörg Möbius</i>	
24	Alternative Treatment Options	211
	<i>Brigitte Zoeller Richter</i>	
	<i>Part VI Late-Stage Therapy</i>	
25	Pain and Palliative Care in Late-Stage Dementia Patients	217
	<i>Sophie Pautex, Dina Zekry, Gilbert Zulian, Gabriel Gold,</i> <i>and Jean-Pierre Michel</i>	
26	Cardiological Issues in Late-Stage Alzheimer's Disease: <i>A Clinician's Approach</i>	225
	<i>José R. Medina</i>	
	<i>Part VII Prevention Strategies</i>	
27	Neuroprotection and Neurodegenerative Disease	235
	<i>Frank John Emery Vajda</i>	
28	Neurotrophic Factors for Prevention of Alzheimer's Disease	245
	<i>Mark H. Tuszynski</i>	
29	Statins in Prevention and Treatment of Alzheimer's Disease	253
	<i>David A. Drachman</i>	
30	Potential Role of Androgens and Androgen Receptors in Alzheimer's Disease	259
	<i>Jacob Raber</i>	
31	Role of Nutrition in Prevention or Delay of Alzheimer's Disease	273
	<i>Hannes B. Stachelin</i>	
32	Impact of Physical Activity on Prevention of Alzheimer's Disease	281
	<i>Danielle Laurin, René Verreault, and Joan Lindsay</i>	
	<i>Part VIII Future Developments</i>	
33	Stem Cell Therapy for Alzheimer's Disease	289
	<i>Kiminobu Sugaya</i>	
34	Secretases as Potential Targets for Treatment of Alzheimer's Disease	301
	<i>Weiming Xia</i>	

35	AMPA Potentiation as a Treatment Option for Alzheimer's Disease	309
	<i>Amy S. Chappell and Michael M. Witte</i>	
36	Glycosaminoglycans as Potential Future Treatment of Alzheimer's Disease	315
	<i>Umberto Cornelli</i>	
37	Implications of Research for Management of AD	329
	<i>Peter J. Whitehouse</i>	
	<i>Part IX Treatment Outcome Measurement</i>	
38	Rating Scales and Outcome Variables Used in Clinical Trials	337
	<i>Lon S. Schneider</i>	
	<i>Part X Neuropsychiatric Management</i>	
39	Gender Differences in Behavior of AD Patients	353
	<i>Brian R. Ott</i>	
40	Management of Emotional and Behavioral Symptoms in AD	363
	<i>Myron F. Weiner</i>	
41	Assessment and Treatment of Neuropsychiatric Symptoms in Alzheimer's Disease	371
	<i>Andrew R. Gustavson and Jeffrey L. Cummings</i>	
42	Neuropsychiatric Symptoms in African American Dementia Patients	387
	<i>Raymelle Schoos, Carl I. Cohen, and Lorna Walcott-Brown</i>	
43	Resource Utilization by African American Dementia Patients	395
	<i>Beatrice Pollock</i>	
44	Apathy in Alzheimer's Disease: Relationship to Executive Function	399
	<i>Susan McPherson</i>	
45	Are Alzheimer's Patients Aware of Their Deficits?	407
	<i>Ben Seltzer</i>	
	<i>Part XI Family and Care Issues</i>	
46	Diagnostic Family Conference in AD: Issues and Recommendations	415
	<i>Paul Michael Ramirez, David Castro-Blanco, and Michelle Kehn</i>	
47	Care, Caregiver Issues, and Communication With the Demented Patient	421
	<i>Ralph W. Richter and Brigitte Zoeller Richter</i>	
48	Dental Care of AD Patients	427
	<i>Christina A. Gitto, Michael J. Moroni, Geza T. Terezhalmay, and Satinderpal K. Sandu</i>	
49	Long-Term Medical Care Issues	441
	<i>Vonda K. Gravely and Jacobo Mintzer</i>	
50	Loneliness and Depression in Caregivers	449
	<i>Rose A. Beeson</i>	
51	Frequently Asked Questions About Alzheimer's Disease	455
	<i>Brigitte Zoeller Richter</i>	
	Appendix: Resources	461
	Index	465

Alzheimer's Disease

A Physician's Guide to Practical Management

Richter, R.W.; Zoeller Richter, B. (Eds.)

2004, XIV, 479 p. 39 illus., Hardcover

ISBN: 978-0-89603-891-2

A product of Humana Press