Contents

Contributors xiii
Preface xx
Preface to Second Edition xxii
Preface to First Edition xxiii

PART A HISTORICAL BACKGROUND 1

1 A Conceptual History in the Nineteenth Century 3
   German E. Berrios
2 The Development of Old Age Psychiatry in the UK 7
   Claire Hilton and Tom Arie
3 Commentary on ‘In the Beginning’ by Felix Post 12
   Claire Hilton

PART B NORMAL AND ABNORMAL AGEING 15

4 Changes in the Macrostructure and Microstructure of the Ageing Brain 17
   Natalie M. Zahr, Adolf Pfefferbaum and Edith V. Sullivan
5 Functional Imaging of the Ageing Brain 28
   Robert Pernecky, Christian Sorg and Hans Förstl
6 Neurophysiology of the Ageing Brain 36
   Paolo Maria Rossini and Laura Parisi
7 Potential Regeneration of the Ageing Brain 42
   Stephen B. Dunnett
8 Neuroendocrinology of Ageing 45
   Marcus Simmgen
9 Genetic Aspects of Ageing 51
   Ben Pickard and Douglas Blackwood
10 The Clinical Pharmacology of Ageing 55
    Brian Clarke and S. H. D. Jackson
11 Cognitive Gerontology 60
    Patrick Rabbitt
12 Chronological and Functional Ageing 65
    David Melzer and Iain Lang
13 Successful Ageing 70
    Ann Bowling
14 Sexuality, Non-Traditional Relationships and Mental Health in Older People 74
    Ian Peate
15 The Care Home Experience 78
    Ailisoun Milne
16 Ageing: International Statistical Trends and Prospects 83
    Fiona E. Matthews and George M. Savva
17 Economics of Ageing and Mental Health 90
    Anders Wimo
18 The Influence of Social Factors on Mental Health 97
    Donna D. McAlpine and David Mechanic

PART C DIAGNOSIS AND ASSESSMENT 103

19 Classification of Dementia and other Cognitive Disorders in ICD-10 and DSM-IV 105
   A. Jablensky and J.E. Cooper
20 Taking a Psychiatric History from Elderly Patients 109
   Sunita Sahu and Monica Cruge
21 Mental State Examination in the Elderly 113
   Joanne Rodda and Zuzana Walker
22 The Physical Examination: A Guide for Old Age Psychiatrists 117
   Stephen Todd, John O’Hare, Bernadette McGuinness and A. Peter Passmore
23 Investigations in Old Age Psychiatry 122
   Sujatha Merve and Robert C. Baldwin
24 Bedside Assessment of Cognitive Functioning 129
   Richard Perry
25 Neuropsychological Assessment 135
   Linda Clare
26 Overview of Rating Scales in Old Age Psychiatry 141
   Kenneth C. M. Wilson, Ben Green and Pat Mottram
27 The Mini-Mental State Examination: A Brief Cognitive Assessment 145
   Marshal Folstein, Susan Folstein and Jonathan Folstein
28 The Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE) 147
   Nicolas Cherbuin and Anthony Francis Jorm
29 Geriatric Depression Scale 152
   Meghan A. Marty, Renee Pepin, Andrea June and Daniel L. Segal
30 Dementia Care Mapping 157
   Dawn Brooker
31 Staging Dementia 162
Barry Reisberg, Imran A. Jamil, Sharjeel Khan, Isabel Monteiro, Carol Tossonian, Steven Ferris, Marwan Sabbagh, Serge Gauthier, Stefanie Auer, Melanie B. Shulman, Alan Kluger, Emilie Franssen and Jerzy Wegiel

32 The Clinical Dementia Rating 170
Rawan Tarawneh, B. Joy Snider, Mary Coats and John C. Morris

33 GMS-HAS-AGECAT Package and the Global Mental Health Assessment Tool (GMHAT): Epidemiology and Closing the Treatment Gap 174
John R. M. Copeland

34 Assessing Life Skills 176
Colin Depp, Veronica Cardenas, Ashley Cain and Thomas L. Patterson

35 Quality of Life Measures in Old Age 183
Juanita Hoe, Martin Orrell and Gill Livingston

PART D DEGENERATIVE AND RELATED DISORDERS 193

36 Delirium 195
Barbara Kamholz

37 The Nosology of Dementia 201
Kenneth Rockwood

38 Epidemiology of Dementia 207
Mary Ganguli

39 An Introduction to the Medical Research Council Cognitive Function and Ageing Studies (CFAS) I and II 213
Fiona E. Matthews and Carol Brayne

40 The Lundby Study 222
Mats Bogren, Cecilia Mattisson and Per Nettelbladt

41 Clinical Features of Alzheimer’s Disease: Cognitive and Non-cognitive 226
Oludamilola Salami and Constantine G. Lyketsos

42 Neuropsychological Assessment of Dementia and Alzheimer’s Disease 232
David Aaron Maroof and Cynthia A. Munro

43 Genetics of Alzheimer’s Disease 238
Lynn M. Bekris, Chang-En Yu, Thomas D. Bird and Debby Tsuang

44 Mouse Models of Alzheimer’s Disease 252
Esther Oh, Constantine Lyketsos and Philip Wong

45 Physiological Neuroimaging in Ageing and Dementia: Metabolic and Molecular Scanning 257
Markus Donix, Susan Y. Bookheimer and Gary W. Small

46 Computational Anatomy in Alzheimer’s Disease 262
Alex D. Leow, Liana G. Apostolova and Paul M. Thompson

47 Alzheimer’s Disease: Risk Factors and Preventive Strategies 271
JoAnn T. Tschanz and John C. S. Breitner

48 Down Syndrome: Genetic and Clinical Overlap with Dementia 281
Giles M.Y. Tan and Declan G.M. Murphy

49 The Molecular Neuropathology of Alzheimer’s Disease 287
Orly Lazarov

50 Neurochemistry of Alzheimer’s Disease 295
Paul T. Francis

51 Antemortem Markers 299
Susan J. van Rensburg, Felix C.V. Potocnik, Mariha J. Kotze and Dan J. Stein

52 Pharmacological Therapies in Alzheimer’s Disease 304
Martin Steinberg and Constantine G. Lyketsos

53 Behavioural Management in Alzheimer’s Disease – Pharmacological 312
David A. Merrill and David L. Sultzer

54 Behavioural Management: Non-Pharmacological 324
Jiska Cohen-Mansfield

55 Emerging Applications of Gene and Somatic Cell Therapy in Geriatric Neuropsychiatry 330
Eric Wexler

56 Vascular Dementia 342
Ingmar Skoog

57 The Frontotemporal Dementia Syndromes 348
Mario F. Mendez

58 The Lewy Body Dementia Spectrum (Alpha Synucleinopathies) 360
J.-P. Taylor and I. G. McKeith

59 Prion Diseases 372
Brian S. Appleby

60 Alcoholic and Other Toxic Dementias 378
Eileen M. Joyce

61 Reversible Dementias 383
Michael Philpot

62 Cognitive Domains Affected by Conditions of Ageing and the Role of Neuropsychological Testing 389
Heather R. Romero, Scott M. Hayes and Kathleen A. Welsh-Bohmer

63 Memory Training for Older Adults 397
Karen Miller, Linda Ercoli, Jeanne Kim and Gary W. Small

64 Complementary and Alternative Medicine Approaches to Memory Improvement in the Elderly 403
Helen Lavretsky

65 Ethics of Dementia Care 410
Eran Klein and Jason Karlawish

66 Successful Interventions for Family Caregivers 415
L. McKenzie Zeiss, Yookyung Kwon, Renee Marquett and Dolores Gallagher-Thompson
67 The Role of Alzheimer Societies in the United States 421
Ruth O'Hara and Bevin Powers

68 Psychiatric Manifestations of Nervous System Infections 426
Jeffrey T. Guptill and E. Wayne Massey

69 Magnetic Resonance Imaging and Computed Tomography 433
Howard Aizenstein and Vijay Venkatraman

70 Functional MRI Studies in Ageing and Early Alzheimer's Disease 437
Ottavio V. Vitolo and Reisa A. Sperling

71 Magnetic Resonance Spectroscopy 446
Olusola Ajilore, Brent Forester, Matthew R. Woodward and Anand Kumar

PART E AFFECTIVE DISORDERS 455

72 Nosology and Classification of Mood Disorders 457
Dan Blazer

73 Genetics of Affective Disorders 460
Carolina Aponte Urdaneta and John L. Beyer

74 Environmental Factors, Life Events and Coping Abilities 464
Toni C. Antonucci and James S. Jackson

75 Vascular Disease and Late-Life Depressive Disorder 468
Robert Baldwin

76 Mood Disorders in Parkinson’s Disease 473
John V. Hindle

77 Epidemiology of Depression: Prevalence and Incidence 479
Ruoling Chen and John Copeland

78 Neuroimaging in Geriatric Depression 489
Faith M. Gunning

79 Clinical Features of Depressive Disorders in the Elderly 495
Davangere P. Devanand and Steven P. Roose

80 The Outcome of Late-life Depressive Disorders 502
Aartjan T.F. Beekman, Harm W.J. van Marwijk and Max L. Stek

81 Physical Illness and Depression 508
Mavis Evans

82 Depression After Stroke 515
Peter Knapp and Allan House

83 Cross-Cultural Variation in the Experience of Depression in Older People in the UK 518
Vanessa Lawrence, Joanna Murray, Anthony Klugman and Sube Banerjee

84 Treatment of Late-Life Depression In Community Settings 524
Carolyn Chew-Graham

85 Electroconvulsive Therapy (ECT) 529
David G. Wilkinson

86 Pharmacological Treatment of Depression 537
Mohammed T. Abou-Saleh and Cornelius Katona

PART F SCHIZOPHRENIC DISORDERS AND MOOD-INCONGRUENT PARANOID STATES 589

94 Late-Life Psychotic Disorders: Nosology and Classification 591
Nicole M. Lanouette, Lisa T. Eyler and Dilip V. Jeste

95 Schizophrenic Disorder and Mood-Incongruent Paranoid States: Epidemiology and Course 596
Cynthia D. Fields and Peter V. Rabins

96 Clinical Assessment and Differential Diagnosis 599
David N. Anderson

97 Treatment of Late-Life Psychosis 604
Peter Connelly and Neile Prentice

PART G NEUROSES (ANXIETY DISORDERS) 609

98 Nosology and Classification of Neurotic Disorders 611
David Bienenfeld

99 The Epidemiology of Depression and Anxiety 616
Robert Stewart and James Lindesay

100 Psychopharmacological Treatment of Anxiety 624
John L. Beyer

101 Obsessive-Compulsive Disorder 632
James Lindesay

102 Somatoform Disorders and Unexplained Physical Symptoms 636
Bart Sheehan

103 Other Neurotic Disorders 640
Jerome J. Schulte, C. Michael Hendricks and David Bienenfeld

PART H PERSONALITY DISORDERS 647

104 Personality Disorders: Description, Aetiology, and Epidemiology 649
Victor Molinari and Daniel L. Segal