

Contents

VOLUME 1

SECTION 1

Clinical Examination in Psychiatry and Epidemiology of Mental Disorder

- | | |
|---|----|
| 1. Clinical Examination in Psychiatry | 1 |
| <i>Somnath Sen Gupta</i> | |
| 2. Neurological Examination in Psychiatry | 19 |
| <i>KS Anand, A Prasad, SC Pradhan</i> | |
| 3. Epidemiology of Mental Disorders | 27 |
| <i>R Chandrasekaran, Sudhir Kumar CT</i> | |

SECTION 2

Organic Mental Disorder and Substance Related Disorders

- | | |
|--|-----|
| 4. Organic Mental Disorders | 45 |
| <i>S Kalyanasundram, Johnson Pradeep R</i> | |
| 5. Substance Use Disorders | 103 |
| 5.1. Classification and Epidemiology | 103 |
| <i>Nimesh G Desai, Dhanesh K Gupta, KA Khurshid</i> | |
| 5.2. Alcohol Use Disorder | 176 |
| <i>RK Solanki</i> | |
| 5.3. Diagnosis, Assessment and Management of Alcohol Use Disorder: Nice Guidelines | 184 |
| <i>RK Solanki</i> | |
| 5.4. Diagnosis and Clinical Management of Alcohol Use Disorder | 186 |
| <i>RK Solanki</i> | |
| 5.5. Adverse Health Effects of Nonmedical Cannabis Use | 188 |
| <i>RK Solanki, Ashok Singhal</i> | |
| 5.6. Tobacco Addiction | 194 |
| <i>G Prasad Rao</i> | |

SECTION 3

Schizophrenia, Other Psychotic Disorders and Mood Disorder

- | | |
|---------------------------------------|-----|
| 6. Schizophrenia | 225 |
| 6.1. Introduction and Overview | 225 |
| <i>Avinash De Souza, Nilesch Shah</i> | |
| 6.2. Schizophrenia: Epidemiology | 232 |
| <i>Avinash De Souza, Nilesch Shah</i> | |

6.3. Schizophrenia: Neurobiology	237
<i>Avinash De Souza, Nilesh Shah</i>	
6.4. Schizophrenia: Genetics	246
<i>Avinash De Souza, Nilesh Shah</i>	
6.5. Schizophrenia: From Psychodynamics to Neurodynamics	251
<i>Avinash De Souza, Shivanshu Shrivastava, Nilesh Shah</i>	
6.6. Schizophrenia: Clinical Features	258
<i>Avinash De Souza, Allen De Souza, Nilesh Shah</i>	
6.7. Schizophrenia: Somatic Treatment	266
<i>Avinash De Souza, Nilesh Shah</i>	
6.8. Schizophrenia: Psychosocial Treatments	269
<i>Avinash De Souza, Nilesh Shah</i>	
6.9. Schizophrenia: Role of Psychotherapy	274
<i>Avinash De Souza, Nilesh Shah</i>	
6.10. Treatment Resistant Schizophrenia	279
<i>Avinash De Souza, Nilesh Shah</i>	
6.11. Schizophrenia: Psychosocial Rehabilitation	284
<i>Avinash De Souza, Nilesh Shah</i>	
6.12. Schizophrenia: The Indian Scenario	287
<i>Avinash De Souza, Nilesh Shah</i>	
7. Mood Disorders	300
7.1. Epidemiology and Classification	300
<i>JN Vyas, Dinesh Tyagi</i>	
7.2. Etiology	305
<i>Ashok Singhal</i>	
7.3. Diagnostic Criteria, Clinical Features and Management of Mood Disorder, Dysthymic and Cyclothymic Disorders	312
<i>JN Vyas, Dinesh Tyagi</i>	
7.4. Genetics of Bipolar Disorder	330
<i>JN Vyas</i>	
7.5. Bipolar Disorder: Diagnosis, Challenges and Future Direction	336
<i>JN Vyas</i>	
7.6. Treatment of Bipolar Disorders	342
<i>Neena Bohra, NK Bohra</i>	
7.7. Bipolar Disorder: Focus on Bipolar II Disorders and Mixed Depression	347
<i>JN Vyas</i>	
7.8. Bipolar Disorder: A Focus on Depression	355
<i>JN Vyas, RK Solanki</i>	
7.9. Mechanism of Disease: Major Depressive Disorder	361
<i>RK Solanki</i>	
7.10. Major Depressive Disorder: New Clinical, Neurobiological and Treatment Perspective	366
<i>JN Vyas</i>	

7.11. Depression in Elderly <i>BK Singh</i>	372
7.12. Medical Treatment of Depression <i>JN Vyas</i>	378
7.13. Dysthymia: Conceptual Evolution and Current Status <i>Ajit Avasthi, Sandeep Grover, Alkananda Dutt, Baljit Singh Saluja</i>	385
7.14. Recent Development and Current Controversies in Depression <i>JN Vyas, SK Pandey</i>	393
7.15. Treatment Resistant Depression <i>Manoj Dhungana</i>	401
7.16. Cognitive Behavior Therapy of Depression <i>JN Vyas</i>	404
8. Delusional Disorders <i>Niraj Ahuja, B Reddy</i>	456
9. Other Psychotic Disorders <i>Jayesh Ranjan</i>	476

SECTION 4 Anxiety Disorders

10. Anxiety Disorders: An Overview <i>Dinesh Tyagi</i>	493
10.1. General Aspects of Anxiety Disorder	493
10.2. Panic Disorders	497
10.3. Generalized Anxiety Disorders	503
11. Generalized Anxiety Disorder: Diagnosis and Treatment <i>JN Vyas, Deyashini Lahiri Tikka, Jayati Simlai</i>	509
12. Obsessive-Compulsive Disorder <i>Christoday RJ Khess, Roshan V Khanande, Bhoomika Sachacher, Summant Khanna</i>	517
13. Phobic Disorders <i>Ashok Singhal</i>	526
14. Panic Disorder <i>JN Vyas, Sandeep M, Jayati Simlai</i>	532
15. Social Anxiety Disorders <i>JN Vyas, Bhoomika Sachacher, Roshan V Khanande, Jayati Simlai</i>	544

SECTION 5 Stress Related Disorders

16. Adjustment Disorders and Bereavement <i>Shree Ram Ghimire</i>	553
16.1. Adjustment Disorder	553
16.2. Bereavement	559

- | | | |
|-----|---|-----|
| 17. | Acute Stress Reaction
<i>Shree Ram Ghimire</i> | 565 |
| 18. | Post-traumatic Stress Disorder
<i>Shree Ram Ghimire</i> | 571 |

SECTION 6

Psychosomatic Medicine, Somatoform Disorder, Dissociative Disorder and Other Related Disorders

- | | | |
|-------|--|-----|
| 19. | Psychosomatic Medicine and Somatoform Disorder | 585 |
| 19.1. | Psychosomatic Medicine: Concept
<i>Avinash De Souza</i> | 585 |
| 19.2. | Somatoform Disorders
<i>RK Chadda</i> | 587 |
| 20. | Dissociative Disorders
<i>Niraj Ahuja, Sudhir Hebbar</i> | 603 |
| 21. | Malingering and Factitious Disorders
<i>Sandeep Grover, Munish Agarwal, Ajit Avasthi</i> | 630 |
| 22. | Psychosomatic Disorders
<i>JN Vyas, VS Chadda</i> | 636 |
| 23. | Chronic Fatigue Syndrome
<i>Rakesh Lal</i> | 654 |

SECTION 7

Personality Disorder, Sexual Disorder, Sleep Disorder and Eating Disorders

- | | | |
|-----|--|-----|
| 24. | Personality Disorders
<i>Sumant Khanna, W Balati</i> | 665 |
| 25. | Normal Human Sexuality and Sexual Disorders
<i>TS Sathyanarayana Rao, Abhinav Tandon</i> | 685 |
| 26. | Sleep Disorders
<i>RK Solanki, Nikhil Jain</i> | 701 |
| 27. | Chronic Insomnia
<i>BS Bhogle, SN Ali, Asha Krishnan, Christoday RJ Khess</i> | 715 |
| 28. | Eating Disorders
<i>Prabha S Chandra, Santosh K Chaturvedi, AW Jagdeesh</i> | 729 |

SECTION 8

Pregnancy and Menstruation Related Disorders

- | | | |
|-----|---|-----|
| 29. | Postpartum Psychiatric Disorders
<i>Neena Bohra, NK Bohra</i> | 743 |
| 30. | Premenstrual Disorders
<i>Neena Bohra, NK Bohra</i> | 751 |

SECTION 9

Liaison Psychiatry, Neuropsychiatry, Psychiatric Aspect of Medical Disorders and Other Related Conditions

31.	Abnormal Illness Behavior	763
	<i>Issy Pilowsky</i>	
32.	Consultation Liaison Psychiatry	770
	<i>GC Munjal, Niraj Ahuja</i>	
33.	Psychiatric Aspects of Medical Disorders	780
	<i>Adarsh Tripathi, Shaswat Saxena, Late JK Trivedi</i>	
34.	Psychiatry in Oncology	793
	<i>Gayatri Saraf, Santosh K Chaturvedi</i>	
35.	Dermatopsychiatric Disorders	807
	<i>RA Bumb, RD Mehta</i>	
36.	Neuropsychiatric Disorders	822
	<i>JN Vyas</i>	
37.	Psychiatric Aspects of Parkinsonism	840
	<i>Andrea-Sylvia Winkler, K Ray Chaudhuri</i>	
38.	Seizure Disorder	848
38.1.	Epilepsy	848
	<i>KK Verma</i>	
38.2.	Newer Drugs for Focal Epilepsy in Adults	854
	<i>JN Vyas</i>	
38.3.	Diagnosis and Management of the Epilepsies in Adults and Children: Summary of Updated NICE Guidance	859
	<i>KK Verma</i>	
39.	Neuropsychiatry	868
39.1.	Neuropsychiatric Manifest Related to Malaria	868
	<i>DK Kochar, Shubhakaran</i>	
39.2.	Psychiatric Aspects of Diabetes Mellitus and Cardiovascular Disease	872
	<i>RP Agarwal</i>	
40.	Psychiatric Disorders of HIV Infection and AIDS	881
	<i>Prabha S Chandra</i>	

Section 10

Emergency in Mental Health

41.	Psychiatric Emergencies	893
	<i>Shivananda Jena</i>	
42.	Human Self-destructive Behavior	898
	<i>KE Sadanandan Unni</i>	

VOLUME 2

SECTION 11
Child and Adolescent Psychiatry

43. Child and Adolescent Psychiatric Disorders	937
43.1. Examination in Child Psychiatry	937
<i>NK Singh</i>	
43.2. General Principles of the Clinical Interview	941
<i>Neena Bohra</i>	
43.3. Developmental Assessment of Children	944
<i>Raju Sedhain, JN Vyas</i>	
43.4. Anxiety Disorders and Post-traumatic Stress Disorder in Children and Adolescent	950
<i>JN Vyas, Pramodh Bhardhwaj</i>	
43.5. Eating Disorder: Anorexia	959
<i>Neena Bohra, NK Bohra</i>	
43.6. Autism Spectrum Disorder	968
<i>PB Behere, A Das, AP Behere</i>	
43.7. Child Substance Abuse	983
<i>Dilip R Patel, Laura Murray</i>	
43.8. Child Sexual Abuse: Current Scenario in India	989
<i>PB Behere, A Mulmule, AP Behere</i>	
43.9. Physical Abuse and Neglect of Children	993
<i>JN Vyas, SS Nathawat</i>	
43.10. Conduct Disorders in Children	1001
<i>JN Vyas</i>	
43.11. Developmental Child Psychopathology	1014
<i>Malavika Kapur</i>	
43.12. Mental Retardation/Intellectual Disability	1022
<i>Jayati Simlai, Joyita Sinha, Christoday RJ Khess</i>	
43.13. Specific Developmental Disorders	1033
<i>Manju Mehta, Rajesh Sagar</i>	
43.14. Sleep Disorders in Children and Adolescents	1041
<i>RK Solanki</i>	
43.15. Attention-deficit Hyperactivity Disorder	1046
<i>JN Vyas</i>	
43.16. Diagnostic Issues in Childhood Bipolar Disorder	1053
<i>JN Vyas</i>	
43.17. Very Early Intervention in Psychotic Disorders	1056
<i>JN Vyas</i>	
43.18. Cognitive-Behavioral Therapy and Dialectical Behavior Therapy in Children and Adolescents	1060
<i>JN Vyas</i>	

43.19.	Recognition and Management of Psychosis and Schizophrenia in Children and Adolescents	1066
	<i>JN Vyas</i>	
43.20.	Child and Adolescent Psychopathology Updates	1069
	<i>JN Vyas</i>	
43.21.	Paternal Psychiatric Disorders and Children's Psychosocial Development	1076
	<i>JN Vyas</i>	
43.22.	Depression in Adolescence	1081
	<i>Neena Bohra, NK Bohra, Varun S Mehta, Christoday RJ Khess</i>	
43.23.	Self-harm and Suicide in Adolescents	1084
	<i>JN Vyas, N Parvez, Christoday RJ Khess</i>	
43.24.	Psychotropic Drugs in Children and Adolescents	1090
	<i>PB Behere, A Das, AP Behere</i>	

SECTION 12

Basic Sciences and Imaging in Psychiatry

44.	Basic Sciences	1151
44.1.	Neuroanatomy	1151
	<i>Sheela Jain</i>	
44.2.	Neurophysiology	1168
	<i>Uma Joshi, Aparna Garg</i>	
44.3.	Neuropathology	1178
	<i>Sunila Chadda</i>	
44.4.	Neuropharmacology	1191
	<i>AP Dadhich</i>	
44.5.	Psychoneuroimmunology	1202
	<i>LN Gupta, Pramodh Bhardhwaj</i>	
44.6.	Neurovirology	1208
	<i>VS Randhawa, Geeta Mehta</i>	
44.7.	Brain Imaging in Psychiatry	1219
	<i>GN Saxena</i>	

SECTION 13

Neuropsychology, Research Methods, Statistics and Genetics in Psychiatry

45.	Psychological and Social Culture Sciences	1235
45.1.	Neuropsychology	1235
	<i>CR Mukundan, Jyoti Ahuja, Radha Prabhu</i>	
45.2.	Theories of Learning	1250
	<i>PSDV Prasadaraao, V Kumaraiah</i>	
45.3.	Measurement in Psychiatry	1260
	<i>SK Verma, A Puri</i>	
45.4.	Epidemiology and Research Methods	1270
	<i>RC Chowdhary, Hemant Vyas</i>	

45.5. Research Measurement and Statistics	1287
<i>AP Dadhich, Mridula Vyas, Sai Krishna Tikka, Christoday RJ Khess</i>	
45.6. Genetics in Relation to Psychiatry	1302
<i>SC Bhargav, Umesh S, Christoday RJ Khess</i>	
45.7. Fundamental of Psychology	1315
<i>SS Nathawat, Vijaya S Nathawat</i>	

SECTION 14

Biological Therapies

46. Pharmacological and Other Methods of Treatment	1343
46.1. Antipsychotic Drugs	1343
<i>Niraj Ahuja, Shree Ram Ghimire</i>	
46.2. Atypical Antipsychotics	1360
<i>Avinash De Souza, Nilesh Shah</i>	
46.3. Antidepressants	1363
<i>VN Vahiya, Anjali Chabbria, Dinesh Mohan Das</i>	
46.4. Newer Antidepressants for the Treatment of Depression in Adults	1371
<i>Neha Singh, Christoday RJ Khess, Jayati Simlai</i>	
46.5. Mood Stabilizing Drugs	1377
<i>Avinash De Souza</i>	
46.6. Sedative Hypnotic and Anxiolytic Drugs	1384
<i>BS Chavan, Priti Arun</i>	
46.7. Electroconvulsive Therapy	1389
<i>Eesha Sharma, Urvakhsh Mehta, Jagadisha Thirthalli, BN Gangadhar</i>	
46.8. Psychosurgery	1404
<i>V Balasubramaniam, Sachchidanand Singh, Christoday RJ Khess, Jayati Simlai</i>	
46.9. Psychopharmacological Drugs	1416
<i>Jayati Simlai, Anushul Khichy, JN Vyas</i>	
46.10. Drug Therapy of Schizophrenia	1426
<i>G Prasad Rao</i>	
46.11. Drug Treatment of Alzheimer's Disease	1433
<i>Christoday RJ Khess, Bikramaditya Jaiswal, Jayati Simlai</i>	
46.12. Treatment of Chronic Insomnia	1436
<i>JN Vyas</i>	
46.13.1. Recent Advances in the Diagnosis and Management of Migraine	1441
<i>VS Chadda</i>	
46.13.2. Diagnosis and Management of Headaches in Young People and Adults: Summary of NICE Guidance	1446
<i>JN Vyas</i>	
46.14. Atypical Antipsychotics for Bipolar Disorder	1449
<i>JN Vyas</i>	

46.15. Atypical Mood Stabilizers: Atypical Role for Atypical Antipsychotics	1454
<i>JN Vyas</i>	
46.16. Vagus Nerve Stimulation and Deep Brain Stimulation	1458
<i>RK Solanki, JN Vyas</i>	
46.17. Complementary Medicine in Psychiatry	1465
<i>Jayati Simlai, Anjanik Kumar Ranjan, Neena Bohra, NK Bohra</i>	
46.18. Pharmacological Prevention of Migraine	1470
<i>JN Vyas</i>	
46.19. Management of Chronic Epilepsy	1473
<i>VS Chadda</i>	
46.20. Management of Seasonal Affective Disorder	1478
<i>BK Singh</i>	
46.21. Cholinesterase Inhibitors and Memantine for Symptomatic Treatment of Dementia	1482
<i>RK Solanki</i>	

SECTION 15

Psychological Methods of Treatment

47. Psychotherapies	1523
47.1. Psychoanalysis	1523
<i>DN Nandi, AN Basu</i>	
47.2. Psychotherapy	1541
<i>DN Nandi, AN Basu</i>	
47.3. Psychological Therapies	1555
<i>JN Vyas, SS Nathawat</i>	
47.4. Group Psychotherapy	1570
<i>Ajit Avasthi</i>	
47.5. Family and Marital Therapy	1581
<i>Ajit Avasthi, Hitesh Khurana, Sandeep Grover, Munish Aggarwal</i>	
47.6. Current Status and Future Direction in Couple Therapy	1601
<i>JN Vyas, SS Nathawat</i>	
47.7. Enduring Effects for Cognitive Behavior Therapy in the Treatment of Depression and Anxiety	1610
<i>JN Vyas, AR Garg</i>	
47.8. Behavioral Medicine	1620
<i>JN Vyas, SS Nathawat</i>	
47.9. Psychoanalysis, Psychoanalytic Psychotherapy, and Supportive Psychotherapy	1627
<i>Neena Bohra, NK Bohra</i>	
47.10. Interpersonal Psychotherapy	1642
<i>JN Vyas</i>	
47.11. Behavior Therapy	1649
<i>JN Vyas</i>	

- | | | |
|--------|---|------|
| 47.12. | Cognitive Therapy: Current Status and Future Directions
<i>JN Vyas, SS Nathawat</i> | 1664 |
| 47.13. | Occupational Therapy
<i>Sujata Malik</i> | 1670 |
| 47.14. | Rehabilitation in Psychiatry
<i>Ashok Singhal</i> | 1674 |

SECTION 16

Geriatric Psychiatry: Life Stress, Sociology, and Psychiatry

- | | | |
|-----|---|------|
| 48. | Geriatric Psychiatry
<i>Late V Ramachandran</i> | 1717 |
| 49. | Life Stress and Psychiatric Disorders
<i>Indira Sharma, Abhishek Pathak</i> | 1727 |
| 50. | Sociology and Psychiatry
<i>Indira Sharma, Abhishek Pathak</i> | 1738 |
| 51. | Sociology, Psychiatry and Mental Health
<i>JN Vyas, Veena Vyas</i> | 1749 |

SECTION 17

Mental Health Issues in Women and Indian Minorities

- | | | |
|-----|---|------|
| 52. | Mental Health Issues in Women
<i>SC Malik</i> | 1763 |
| 53. | Mental Health Issues in Indian Minorities
<i>RC Jiloha</i> | 1772 |
| 54. | Women and Aggression
<i>Jayati Simlai, Swarnali Bose, Sourav Khanra, Christoday RJ Khess</i> | 1777 |
| 55. | Psychiatry and Reproduction
<i>Jayati Simlai, Swarnali Bose, Umesh S, Christoday RJ Khess</i> | 1789 |

SECTION 18

Culture, Spirituality, Anthropology and Psychiatry

- | | | |
|-----|---|------|
| 56. | Cultural and Psychiatry
<i>PB Behere, M Behere, A Das</i> | 1805 |
| 57. | Culture-bound Syndrome
<i>Sandeep Grover, Alakananda Dutt, Ajit Avasthi</i> | 1825 |
| 58. | Transcultural Psychiatry
<i>VK Verma</i> | 1832 |
| 59. | Anthropology and Psychiatry
<i>M Behere, PB Behere, A Das</i> | 1855 |
| 60. | Psychiatry and Spirituality
<i>Christoday RJ Khess, Sourav Khanra, Swarnali Bose, Jayati Simlai</i> | 1863 |

SECTION 19

Community Psychiatry and Psychiatric Nursing

- | | | |
|------------|--|-------------|
| 61. | Community Psychiatry
<i>Suresh Bada Math, Naveen Kumar C, CR Chandrashekar</i> | 1881 |
| 62. | Psychiatric Nursing
<i>Raminder Kalra, Sarita Parajuli</i> | 1891 |

SECTION 20

Special Area of Interest

- | | | |
|------------|---|-------------|
| 63. | Computers in Psychiatry
<i>Chittaranjan Andrade, Shashi Kiran, N Sanjay Kumar Rao</i> | 1897 |
| 64. | Amnesic Disorders
<i>JN Vyas, Anushul Khichy, Jayati Simlai, Christoday RJ Khess</i> | 1913 |
| 65. | Medically Unexplained Symptoms in the Patients Attending Medical Clinics
<i>Neena Bohra, NK Bohra</i> | 1925 |
| 66. | Erectile Dysfunction
<i>JN Vyas, SK Pandey</i> | 1935 |
| 67. | Suicide in Young Men
<i>Neena Bohra, NK Bohra</i> | 1944 |
| 68. | Mechanisms of Disease: Drug Addiction
<i>JN Vyas</i> | 1953 |
| 69. | Schizophrenia: New Pathological Insights and Therapies
<i>JN Vyas</i> | 1962 |
| 70. | Borderline Personality Disorder
<i>JN Vyas</i> | 1969 |
| 71. | Advancements in the Treatment of Epilepsy
<i>VS Chadda</i> | 1980 |
| 72. | Psychological Adjustment to Chronic Disease
<i>JN Vyas</i> | 1994 |
| 73. | Delirium in Older Person
<i>JN Vyas</i> | 2005 |
| 74. | Spectrum of Tardive Syndromes: Clinical Recognition and Management
<i>BK Singh</i> | 2012 |
| 75. | Tourette's Syndrome and Other Tic Disorder
<i>Ashok Singhal</i> | 2022 |
| 76. | Gambling Disorder
<i>JN Vyas</i> | 2028 |
| 77. | Functional Symptoms in Neurology: Mimics and Chameleons
<i>JN Vyas, VS Chadda</i> | 2040 |
| 78. | Nonconventional Approaches of Treatment in Psychiatry
<i>Jayati Simlai, Sourav Khanra, Umesh S, Christoday RJ Khess</i> | 2049 |

SECTION 21**Forensic Psychiatry and Mental Health Legislation**

- | | |
|--|-------------|
| 79. Forensic Psychiatry
<i>GC Munjal, Niraj Ahuja</i> | 2067 |
| 80. Mental Health Legislation in India: A Critical Appraisal
<i>Indira Sharma, Abhishek Pathak</i> | 2088 |

SECTION 22**Ethics and History of Psychiatry**

- | | |
|--|-------------|
| 81. Ethics in Psychiatry
<i>AK Agarwal, SC Gupta</i> | 2097 |
| 82. History of Psychiatry
<i>Niraj Ahuja</i> | 2104 |
| <i>Index</i> | 2125 |