
CONTENTS

USER'S GUIDE TO THE CURRICULUM

| | |
|---|-----------|
| Background | 11 |
| Rationale Underlying the Pedagogy | 11 |
| Organization..... | 13 |
| How to Use the Seminar Modules | 14 |
| Consultation | 17 |
| <u>ACKNOWLEDGEMENTS</u> | 18 |
| <u>REFERENCES & RELATED ARTICLES</u> | 19 |
| <u>CONTRIBUTORS</u> | 21 |

CURRICULUM & TEACHING MATERIALS

PART I: INTRODUCTION TO THE ASCP'S MODEL CURRICULUM

| | |
|--|-----------|
| PREFACE | 30 |
| Using the Model Curriculum to Teach Psychiatric Residents, Medical Students, Primary Care Physicians and Other Health Professionals..... | 32 |
| RATIONALE | 33 |
| ORGANIZATION OF A PSYCHOPHARMACOLOGY PROGRAM | 33 |
| Relationship of Research to Training | 34 |

PART II: THE CORE CURRICULUM

| | |
|---|-----------|
| OVERVIEW AND EDUCATIONAL OBJECTIVES | 35 |
| Knowledge | 35 |
| Skills | 36 |
| WHAT AND HOW TO TEACH | 39 |
| The Didactic Program..... | 39 |
| Organization of Courses and Presentations | 39 |
| Special Considerations Related to Presentations | 40 |
| • Issues, Concepts and a Template..... | 43 |
| • Specific Seminar Topics..... | 46 |

| | |
|--|----|
| • Teaching Sessions on Psychosocial Topics..... | 54 |
| Literature Review Seminar | 56 |
| Case Conference | 59 |
| Computers and Psychopharmacology..... | 60 |
| • General | 60 |
| • Research | 61 |
| • Organizations..... | 61 |
| • Smartphones | 61 |
| Supervision | 62 |
| • Introduction | 62 |
| • Background..... | 63 |
| • Rationale..... | 63 |
| • Clinical Mentorial Teaching Using Selected Case Material | 66 |
| • Supervision in Psychopharmacology Clinics, Inpatient Units and Emergency Rooms | 68 |
| Off-Label Prescribing | 68 |
| Reading Materials | 69 |
| • Textbooks | 69 |
| • Journals and Newsletters | 69 |
| Neuroscience Seminar Series..... | 72 |
| Psychopharmacology Units | 73 |
| HOW TO EVALUATE | 75 |
| Formal Examination..... | 75 |
| Documentation Patterns | 76 |
| Evaluation by Supervisor..... | 78 |
| Trainee Evaluation of Supervision and of the Program..... | 79 |
| Accreditation Issues | 79 |
| FINAL PEARLS | 79 |
| Professionalism | 80 |
| PART III: CURRICULA FOR SPECIAL AREAS | |
| CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY | 81 |

| | |
|--|----|
| Child and Adolescent Seminar Series..... | 82 |
| Child and Adolescent Instruments and Rating Scales | 83 |
| GERIATRIC PSYCHOPHARMACOLOGY..... | 84 |
| Geriatric Seminar Series | 85 |
| ALCOHOL AND SUBSTANCE USE PSYCHOPHARMACOLOGY | 86 |
| Alcohol and Substance Use Seminar Series | 86 |

PART IV: APPENDICES

| | |
|--|-----|
| APPENDIX A: Objective Assessment Measures: Rating Scales | 87 |
| APPENDIX B: List of Other Useful Books | 97 |
| APPENDIX C: List of Additional Journals | 100 |
| APPENDIX D: Forms for Evaluation of Trainee, Clinical Supervisor, Teaching Faculty, and Of Entire Course..... | 102 |
| APPENDIX E: An Investigative Psychiatry Curriculum for Residents | 116 |
| APPENDIX F: Guidelines for Pharmacotherapy Follow Up Visits and Quality of Care | 120 |
| APPENDIX G: Psychopharmacology and the Internet | 124 |

SEMINAR COURSES AND AUTHORS

| <u>Crash Course – David Osser, M.D.</u> | Seminar Number |
|--|-----------------------|
| <u>Antipsychotics</u> | 101 |
| ▪ David N. Osser, M.D. | |
| <u>Medicine for Bipolar Disorder</u> | 102 |
| ▪ Theo Manschreck, M.D., MPH, James W. Jefferson, M.D. | |
| <u>Antidepressants</u> | 103 |
| ▪ David N. Osser, M.D. | |
| <u>Anti-Anxiety Agents</u> | 104 |
| ▪ David N. Osser, M.D. | |
| <u>Drug-Drug Interactions 101 + Table (105 B)</u> | 105 |
| ▪ Jessica R. Oesterheld, M.D., David N. Osser, M.D., Mujeeb Shad, M.D. | |
| <u>Long-Term Psychopharmacology</u> | 106 |
| ▪ Ira Glick, M.D., James M. Ellison, M.D., MPH | |
| <u>Art of Psychopharmacology</u> | 107 |
| ▪ Ira D. Glick, M.D., Richard Balon, M.D. | |
| <u>Basic Course</u> | |
| <u>Psychopharmacology in the Emergency Room</u> | 201 |
| ▪ Michael D. Jibson, M.D., Ph.D. | |
| <u>Pharmacokinetics of Psychotropic Drugs</u> | 202 |
| ▪ Terence A. Ketter, M.D. | |
| <u>Schizophrenia and Antipsychotic Medications: Focus on Acute Treatment</u> | 203 |
| ▪ Michael D. Jibson, M.D., Ph.D., Ira Glick, M.D. | |
| <u>Acute Mania</u> | 204 |
| ▪ Terence A. Ketter, M.D. | |
| <u>Bipolar Disorders Psychopathology</u> | 205 |
| ▪ Po W. Wang, M.D. | |
| <u>Bipolar Disorders Acute Treatment</u> | 206 |
| ▪ Po W. Wang, M.D. | |
| <u>Antidepressant Pharmacotherapy</u> | 207 |
| ▪ Charles DeBattista, M.D. | |
| <u>Treatment Resistant Depression</u> | 208 |
| ▪ Charles DeBattista, M.D. | |
| <u>Electroconvulsive Therapy</u> | 209 |
| ▪ Justin Coffey, M.D. | |

| | |
|--|-----|
| <u>Substance Use Disorders</u> | 210 |
| ▪ Jyothsna Karlapalem, M.D., Mujeeb Shad, M.D. | |
| <u>Evaluation and Treatment of Sleep Disorders</u> | 211 |
| ▪ Rafael Pelayo, M.D. | |
| <u>Psychopharmacology of Violence</u> | 212 |
| ▪ Leslie Citrome, M.D., MPH | |
| <u>Traumatic Brain Injury</u> | 213 |
| ▪ Jonathan M. Silver, M.D. | |

Advanced Course

| | |
|--|-----|
| <u>Combining Pharmacotherapy and Psychotherapy</u> | 301 |
| ▪ Ira D. Glick, M.D., Matej Markota, M.D. | |
| <u>Mood Disorders in Women of Child Bearing Age</u> | 302 |
| ▪ Katherine E. Williams, M.D. | |
| <u>Pregnancy and Psychopharmacology</u> | 303 |
| ▪ Marlene Freeman, M.D. | |
| <u>Schizophrenia and Antipsychotic Medications: Mid/Long-Term Treatment</u> | 304 |
| ▪ Ira D. Glick, M.D. | |
| <u>Panic Disorder</u> | 305 |
| ▪ Lorrin Koran, M.D., R. Bruce Lydiard, Ph.D., M.D. | |
| <u>Generalized Anxiety Disorder</u> | 306 |
| ▪ Lorrin Koran, M.D., R. Bruce Lydiard, Ph.D., M.D. | |
| <u>Social Anxiety Disorder/Social Phobia</u> | 307 |
| ▪ R. Bruce Lydiard, Ph.D., M.D., James Ellison, M.D., MPH, Lorrin Koran, M.D. | |
| <u>Post-Traumatic Stress Disorder</u> | 308 |
| ▪ Thomas A. Mellman, M.D., R. Bruce Lydiard, Ph.D., M.D., Howard A. Fenn, M.D. | |
| <u>Personality Disorders</u> | 309 |
| ▪ Donald W. Black, M.D., Lawrence J. Siever, M.D. Mujeeb Shad, M.D. | |
| <u>Eating Disorders</u> | 310 |
| ▪ B. Timothy Walsh, M.D. | |
| <u>Body Dysmorphic Disorder</u> | 311 |
| ▪ Katharine A. Phillips, M.D. | |
| <u>Psychopharmacology and the HIV-Positive Patient</u> | 312 |
| ▪ Lawrence M. McGlynn, M.D., Peter Marcus, PsyD. | |

SEMINAR MODULES : COURSES (CONT.)

Seminars Which Can Be Included In Any Course or May Be Optional

| | |
|--|-----|
| <u>Quality Psychiatric Care: Accurate Diagnosis & Measurement-Based Care</u> | 401 |
| ▪ David V. Sheehan, M.D. | |
| <u>Evidence Based Medicine and Psychopharmacology</u> | 402 |
| ▪ Leslie Citrome, M.D., James M. Ellison, M.D. | |
| <u>Therapeutic Drug Monitoring in Psychopharmacology</u> | 403 |
| ▪ Georgios Schoretsanitis, M.D. | |
| <u>Neuromodulation in Psychiatry</u> | 404 |
| ▪ Alexander Bystritsky, M.D. | |
| <u>When and How to use Clozapine</u> | 405 |
| ▪ David N. Osser, M.D. | |
| <u>Tardive Dyskinesia</u> | 406 |
| ▪ Christoph Correll M.D., Jose M Rubio M.D., John Kane M.D., Yash Joshi, M.D. | |
| <u>Short Term Interventions with Potentially Long-Term Benefits in MDD</u> | 407 |
| ▪ Charles DeBattista, M.D. | |
| <u>Lithium</u> | 408 |
| ▪ David N. Osser, M.D. | |
| <u>A Brief History of Benzodiazepines</u> | 409 |
| ▪ Carl Salzman, M.D. | |
| <u>Herbal Psychopharmacology</u> | 410 |
| ▪ James W. Jefferson, M.D. (deceased) | |
| <u>Psychopharmacologic Treatment of Aggressive/Self Injurious Intellectually Disabled Adult</u> | 411 |
| ▪ David S. Janowsky, M.D. | |
| <u>Adult ADHD</u> | 412 |
| ▪ David Goodman, M.D. | |
| <u>Suicidal Behavior and Psychopharmacology</u> | 413 |
| ▪ J. John Mann, M.D. | |
| <u>Sexual Function/Dysfunction, Physiology, Diagnosis and Prevalence</u> | 414 |
| ▪ Anita H. Clayton, M.D. | |
| <u>Factors Affecting Sexual Functioning and Management of Sexual Dysfunction</u> | 415 |
| ▪ Anita H. Clayton, M.D., David Wilson, M.D. | |
| <u>Cross-Cultural Psychopharmacology</u> | 416 |
| ▪ Weiguo Zhu, M.D., Ph.D | |
| <u>Clinical Ethnopsychopharmacology</u> | 417 |

| | |
|---|-----|
| ▪ Andrew Olagunju, M.D., William B. Lawson, M.D., Ph.D. | |
| <u>Evaluating the Psychopharmacology Research Literature</u> | 418 |
| ▪ Srinath Gopinath, M.D. | |
| <u>Ethical Issues in Psychopharmacology</u> | 419 |
| ▪ Thomas Gutheil, M.D., Yash Joshi, M.D., Ph.D. | |
| <u>Psychopharmacology in Medically Complex Patients</u> | 420 |
| ▪ Angela Mayorga, M.D., FAPA | |
| <u>Forensic Aspects of Psychopharmacology</u> | 421 |
| ▪ William Cardasis, M.D., Brandon G Moore, M.D., MBA | |
| <u>An Ethical Framework for Clinicians and Psychopharmacology Industry Interactions</u> | 422 |
| ▪ Michael D. Jibson, M.D. | |
| <u>Deconstructing Drug Company Promotion</u> | 423 |
| ▪ Jeff Mattes, M.D. | |
| <u>Clinical Psychopharmacology Trials</u> | 424 |
| ▪ John M. Kane, M.D., Thomas Laughren, M.D., Lawrence Alphs, M.D., Mujeeb Shad, M.D., | |

Child and Adolescent Psychopharmacology – Vishal Madaan, M.D.

| | |
|--|-----|
| <u>Pediatric Psychopharmacology: General Principles</u> | 501 |
| ▪ Shashank Joshi, M.D., Kiki Chang, M.D. | |
| <u>Update on Child and Adolescent Psychopharmacology</u> | 502 |
| ▪ Glen R. Elliot, M.D., Ph.D. | |
| <u>Neuropsychopharmacology Basics and Beyond</u> | 503 |
| ▪ Mani Pavuluri, M.D., Ph.D., Mujeeb Shad, M.D. | |
| <u>Teamwork: The Therapeutic Alliance in Pediatric Psychopharmacology</u> | 504 |
| ▪ Shashank V. Joshi, M.D., FAAP | |
| <u>Using and Teaching Evidence-Based Medicine in Child Psychiatry</u> | 505 |
| ▪ Vishal Madaan, M.D. | |
| <u>Psychopharmacology of Autism Spectrum Disorder</u> | 506 |
| ▪ Christopher J. McDougle, M.D., Robyn. P. Thom, M.D. | |
| <u>The Assessment and Treatment of ADHD</u> | 507 |
| ▪ Shashank V. Joshi, M.D., FAAP | |
| <u>Childhood Onset Schizophrenia: Evaluation and Treatment</u> | 508 |
| ▪ Janani Venugopalakrishnan, M.D. MPH, David Braitman, M.D., Philip Cawkwell, M.D. | |
| <u>Antipsychotic Adverse Effects in Children and Adolescents</u> | 509 |

| | |
|---|-----|
| ▪ Christoph U. Correll, M.D. | |
| <u>Emerging Issues in the Treatment of Impulsive Aggression In Children/Adolescents</u> ... | 510 |
| ▪ Peter S. Jensen, M.D. | |
| <u>An Overview of Pediatric Depression</u> | 511 |
| ▪ Cynthia R. Pfeffer, M.D. | |
| <u>The Use of Medications for Pediatric Bipolar Disorder</u> | 512 |
| ▪ Kiki D. Chang, M.D. | |
| <u>Treatment of Childhood and Adolescents with Anxiety Disorders</u> | 513 |
| ▪ John Walkup, M.D. | |
| <u>Childhood OCD</u> | 514 |
| ▪ Vishal Madaan, M.D., Kate Fitzgerald, M.D., Jenny Lee, M.D. | |
| <u>Post-Traumatic Stress Disorder in Youth</u> | 515 |
| ▪ Vishal Madaan, M.D., Venkata Kolli, MRCPPsych | |
| <u>Tourette's Disorder</u> | 516 |
| ▪ Vishal Madaan, M.D., Isheeta Zalpuri, M.D. | |
| <u>FDA Approved Psychotropic Medications for Pediatric Use</u> | 517 |
| ▪ Vishal Madaan, M.D., Boris Lorberg, M.D., Yana Turkowski, M.D. | |

Geropsychiatry Psychopharmacology – James Ellison, M.D.

| | |
|---|-----|
| <u>Pharmacotherapy and Alzheimer's Disease</u> | 601 |
| ▪ Gary W. Small, James H. Ellison, M.D., MPH | |
| <u>Delirium</u> | 602 |
| ▪ Barbara Kamholz, M.D., Howard Fenn, M.D. | |
| <u>Psychosis and Schizophrenia in Later Life</u> | 603 |
| ▪ David Sultzer, M.D., Brandon C. Yarns, M.D. | |
| <u>Major Neurocognitive Disorder with Behavioral Disturbance (Behavioral and Psychological Symptoms of Dementia (BPSD))</u> | 604 |
| ▪ Howard H. Fenn, M.D., Rita Hitching, MSc | |
| <u>Depression in the Elderly</u> | 605 |
| ▪ Gary W. Small, M.D., James M. Ellison, M.D., MPH | |
| <u>Bipolar Disorders in Late Life</u> | 606 |
| ▪ Robert C. Young, M.D., Benoit H. Mulsant, M.D.; Dr. Soham Rej, M.D. | |
| <u>Anxiety Disorders in Later Life</u> | 607 |
| ▪ Jennifer Gatchel, M.D. | |
| <u>Alcohol and Sedative-Hypnotic Addiction in the Elderly</u> | 608 |
| ▪ David W. Oslin, M.D. | |
| <u>Drug-Drug Interactions in the Elderly</u> | 609 |

-
- Bruce G. Pollock, M.D., Ph.D.

Alcohol and Substance Use Psychopharmacology – Charles O’Brien, M.D.

| | |
|--|-----|
| <u>Brain and Behavior: Substance Use</u> | 701 |
| ▪ Charles P. O’Brien, M.D., Ph.D., Charles Dackis, M.D. | |
| <u>Addiction: A Disease of the Brain</u> | 702 |
| ▪ Charles P. O’Brien, M.D., Ph.D. | |
| <u>Substance Use: The Nation’s Number One Health Problem</u> | 703 |
| ▪ James Cornish, M.D., Charles P. O’Brien, M.D. | |
| <u>Marijuana in Mental Health</u> | 704 |
| ▪ Joe Pierre, M.D. | |
| <u>Stimulants</u> | 705 |
| ▪ Charles Dackis, M.D. | |
| <u>Nicotine: A Drug of Abuse</u> | 706 |
| ▪ Janet Audrain-McGovern, Ph.D. | |
| <u>Alcoholism</u> | 707 |
| ▪ David W. Oslin, M.D. | |
| <u>Hallucinogenic Agents</u> | 708 |
| ▪ Laura F. McNicholas, M.D., Ph.D. | |
| <u>Prescription Drug Use</u> | 709 |
| ▪ Kyle M. Kampman, M.D. | |
| <u>Psychiatric Disorders and Psychotherapy of Substance Abuse</u> | 710 |
| ▪ Robert M. Weinrieb, M.D. | |
| <u>Effects of Drugs on the Developing Brain: Pregnancy, Adolescence and Beyond</u> | 711 |
| ▪ Marina Goldman, M.D. | |
| <u>Medical Complications of Substance Abuse</u> | 712 |
| ▪ Phil Green, M.D., Vishal Madaan, M.D. | |
| <u>Pain and Opioids</u> | 713 |
| ▪ Charles O’Brien, M.D. | |

Algorithms – David Osse, M.D.

| | |
|--|-----|
| <u>Advantages and Disadvantages</u> | 801 |
| ▪ David N. Osse, M.D. | |
| <u>Major Depression</u> | 802 |
| ▪ David N. Osse, M.D., Christoforos Irakis Giakoumatis, M.D. | |
| <u>Bipolar Depression</u> | 803 |
| ▪ David N. Osse, M.D. | |

| | |
|---|-----|
| <u>Bipolar Mania</u> | 804 |
| ▪ David N. Osser, M.D., Dana Wang, M.D. | |
| <u>Psychotic Depression</u> | 805 |
| ▪ David N. Osser, M.D., OM. Mohammed, M.D. | |
| <u>PTSD</u> | 806 |
| ▪ David N. Osser, M.D. | |
| <u>Schizophrenia</u> | 807 |
| ▪ David N. Osser, M.D., Mohsen Jalali Roudsari, M.D., Theo C. Manschreck, M.D., Yash Joshi, M.D. | |
| <u>Social Anxiety Disorder</u> | 808 |
| ▪ David N. Osser, M.D. | |
| <u>Generalized Anxiety Disorder</u> | 809 |
| ▪ David N. Osser, M.D., Harmony Abejuela, M.D. | |