

Outline

PSYCHOPHARMACOLOGICAL FOUNDATIONS

• Core Pharmacological Principles

Brain structures & circuits involved in:

- Emotional regulation
- Executive function & inhibitory control
- Reward & pleasure
- Learning & memory

Receptors and neurotransmitters important in the actions of psychopharmacological agents

- Biogenic amines
- Excitatory & inhibitory neurotransmitters
- Endorphins & endocannabinoids

• Your Role in Combined Psychological & Pharmacological Treatments

- Collaboration & communication with prescribing professionals
- Manage the combined treatments
- Referrals for medication
- Client psycho-education
- Monitor drug effects & side effects
- Promote adherence to combined treatments

DRUGS USED IN THE TREATMENT OF DSM-5® MENTAL DISORDERS

• Depressive Disorders

Neurobiology of depression

Drugs used to treat depressive disorders

Selective Serotonin Reuptake Inhibitors (SSRIs)

Effects, side effects, and cautions

Suicide risk & discontinuation syndrome

Serotonin syndrome

Serotonin-Norepinephrine Reuptake Inhibitors (SNRIs)

Effects, side effects, and cautions

Atypical antidepressant agents

Effects, side effects, and cautions

Tricyclic antidepressants (TCAs)

Effects, side effects, and cautions

Why were newer drugs needed?

MAO inhibitors

Effects, side effects, and cautions

• Choosing an antidepressant

• What if first-line antidepressants do not work?

Augmentation with antipsychotics

• What about herbs like St. John's Wort?

• Schizophrenia Spectrum Disorders

Biological theories of schizophrenia

"Typical" & "atypical" antipsychotic drugs

Effects, side effects & cautions – similarities & differences

Latest evidence-based comparisons

Drugs for treatment-resistant schizophrenia

Other uses of antipsychotic drugs

• Bipolar Disorders

Biological theories for bipolar disorders

Drugs used to treat bipolar disorders

A prototype agent-lithium

Effects, side effects & cautions

Anticonvulsants

Effects, side effects & cautions

Antipsychotics – approved agents

Combination drug therapy

• Anxiety, Obsessive-Compulsive & Sleep-Wake Disorders

The neurobiology of anxiety-related disorders

The structure of sleep

Drugs used in the treatment of anxiety & insomnia

Benzodiazepines & Benzodiazepine-like drugs

Misuse of these drugs in treatment

SSRI's & other drugs used to treat anxiety

• Attention-Deficit/Hyperactivity Disorder & Neurocognitive Disorders (Dementia)

ADHD

Psycho-stimulants

Effects, side effects & cautions

Alpha-Adrenergic Agonists

Major neurocognitive disorders

Drugs used in the treatment of cognitive impairment

Future treatments

• Prescription Drug Abuse

Mental disorders & risk of comorbid prescription drug abuse

Classes of drugs that are frequently abused

Stimulants

Sedative-hypnotics

Opiates

Strategies for the prevention & early identification of prescription drug abuse

LIMITATIONS OF THE RESEARCH AND POTENTIAL RISK

Objectives

1. Communicate the neurotransmitter systems and neuroanatomy underlying the biological basis for mental disorders and pharmacotherapy.
2. Evaluate the role of mental health professionals who treat clients receiving both psychotherapeutic medications and psychotherapy.
3. Analyze the major classes of drugs used to treat mental disorders and which mental disorders are appropriately treated with each class of drugs.
4. Compare the effects and side effects of various psychotropic medications, including antipsychotics, antidepressants, benzodiazepines and anticonvulsants.
5. Determine the abuse liability of drugs used in the treatment of anxiety, insomnia, pain and ADHD.
6. Implement methods for prevention and early identification of prescription drug abuse among clients.

Target Audience: Counselors • Psychotherapists • Psychologists • Social Workers • Nurse Practitioners • Case Managers • Marriage & Family Therapists • Addiction Counselors • Nurses • Clinical Nurse Specialists • Pharmacists • School Psychologists • Occupational Therapists & Occupational Therapy Assistants • Other Mental Health Professionals

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Psychopharmacology for Mental Health Professionals



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Psychopharmacology for Mental Health Professionals

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- Effective medications for DSM-5® disorders
- Alternative treatments when standard medications fail
- Strategies for predicting and preventing prescription drug abuse

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Psychopharmacology

for Mental Health Professionals

Most clients with DSM-5® diagnoses are being treated with a combination of psychological and pharmacological treatments. Newer drugs are being developed to treat mental disorders based on a better understanding of neurobiological contributions to mental disorders and the latest pharmacological research. To provide appropriate services, you are expected to have a thorough understanding of these common and complex issues. As a mental health professional, keeping up-to-date is essential.

This seminar will update and increase your knowledge of:

- Neurobiological underpinnings of major DSM-5® diagnoses
- Effects and side effects of drugs used to treat these diagnoses
- Responsibilities of the non-prescribing therapist to clients taking psychiatric medication

Specifics of the pharmacological treatment and drugs of choice for **Depressive, Bipolar, Schizophrenia Spectrum, Anxiety, OCD, Sleep-Wake, ADHD and Neurocognitive disorders** will be presented. Unique to this seminar is information on the common types of psychotherapeutic drugs and other drugs that are abused, and methods for prevention and early detection. Throughout the day, representative case studies will generate discussion and examination of the latest drug treatment for DSM-5® disorders. You will leave this seminar with knowledge and confidence regarding effective and safe application of pharmacological drugs.

Speaker

Alan S. Bloom, Ph.D., is professor of pharmacology and toxicology at the Medical College of Wisconsin where he teaches psychopharmacology to medical students and neuroscience graduate students. He earned a joint Ph.D. in psychology and pharmacology and consults regularly with psychiatrists and attorneys in drug abuse and other pharmacology related cases.

Dr. Bloom has conducted extensive research on the impact of drugs of abuse (marijuana, cocaine, etc.) on the brain through use of functional magnetic resonance imaging (fMRI). He also directed research on the cognitive effects of chemotherapy drugs administered to women with breast cancer, commonly known as “chemo-brain”. His studies have been funded by the NIH and other national organizations and reported in an extensive number of publications and presentations. Dr. Bloom has served on the NIDA Center grant review panel and is an appointed member of the Controlled Substance Board of the State of Wisconsin.

Dr. Bloom is a strong and experienced presenter providing lively, information-packed seminars. He encourages the active learning of participants through application of the material in case studies and problem-based learning. In 1997 he was elected to membership in the Medical College of Wisconsin Society of Teaching Scholars.

Speaker Disclosure:

Financial: Alan Bloom is a Professor of Pharmacology and Toxicology at the Medical College of Wisconsin. He receives a speaking honorarium from PESI, Inc.

Non-financial: Alan Bloom is the vice-chair for the State of Wisconsin Controlled Substances Board.

Live Webcast Details and Live Webcast Continuing Education Credit Information

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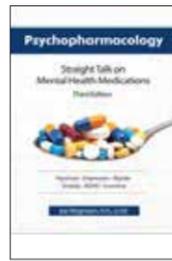
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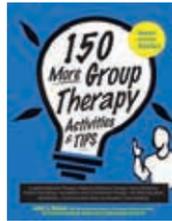
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(Times listed in Eastern)

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8:00 Program begins

11:50-1:00 Lunch (on your own)

4:00 Program ends

There will be two 15-min breaks (mid-morning & mid-afternoon). Actual lunch and break start times are at the discretion of the speaker. A more detailed schedule is available upon request.



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If your profession is not listed, please contact your licensing board to determine your continuing education requirements and check for reciprocal approval. For other credit inquiries not specified below, or questions on home study credit availability, please contact cepesi@pesi.com or 800-844-8260 before the event.

Materials that are included in this course may include interventions and modalities that are beyond the authorized practice of mental health professionals. As a licensed professional, you are responsible for reviewing the scope of practice, including activities that are defined in law as beyond the boundaries of practice in accordance with and in compliance with your professions standards.

PESI, Inc. offers continuing education programs and products under the brand names PESI, PESI Healthcare, PESI Health and Psychotherapy Networker.

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NEW JERSEY COUNSELORS: This intermediate activity consists of 6.25 clock hours of continuing education instruction. Credit requirements and approvals vary per state board regulations. Please contact your licensing board to determine if they accept programs or providers approved by other national or state licensing boards. A certificate of attendance will be awarded at the end of the program to participants who are in full attendance and who complete the program evaluation.

NEW YORK COUNSELORS: PESI, Inc. is recognized by the New York State Education Department’s (NYSED) State Board for Mental Health Practitioners as an approved provider of continuing education for Licensed Mental Health Counselors. #MHC-0033. This activity will qualify for 7.5 contact hours. Full attendance is required; no partial credits will be offered for partial attendance.

MARRIAGE & FAMILY THERAPISTS: This activity consists of 380 minutes of continuing education instruction. Credit requirements and approvals vary per state board regulations. You should save this course outline, the certificate of completion you receive from the activity and contact your state board or organization to determine specific filing requirements.

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NURSE PRACTITIONERS: This program offers 380 instructional minutes of pharmacology content which is designed to qualify for 6.3 contact hours toward your pharmacology requirement to receive credit. It is your responsibility to submit your certificate of successful completion and a copy of the seminar brochure to your licensing board.

OCCUPATIONAL THERAPISTS & OCCUPATIONAL THERAPY ASSISTANTS: PESI, Inc. is an AOTA Approved Provider of continuing education. Provider #: 3322. Full attendance at this course qualifies for 6.0 contact hours or .6 CEUs in the Category of Domain of OT and Occupational Therapy Process. Partial credit will be issued for partial attendance. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. Course Level: Intermediate.

PHARMACISTS: PESI, Inc. is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. Successful completion of this Knowledge-based activity qualifies for 6.3 contact hours. ACEP Universal Program Number: 0289-0000-17-012-L01-P. Full attendance is required. No partial contact hours will be awarded for partial attendance. You are required to complete a program evaluation/post-test and bring your e-Profile ID to the seminar to receive CPE credit. Don’t have your e-Profile ID yet? Visit the National Association of Boards of Pharmacy (NABP) website and complete your e-profile at www.nabp.net in order to obtain your NABP e-Profile ID.

PSYCHOLOGISTS: PESI, Inc. is approved by the American Psychological Association to sponsor continuing education for psychologists. PESI maintains responsibility for this program and its content. PESI is offering this activity for 6.25 hours of continuing education credit. Full attendance is required; no partial credits will be offered for partial attendance.

PSYCHOLOGISTS/SCHOOL PSYCHOLOGISTS: PESI, Inc. is approved by the National Association of School Psychologists to offer professional development for school psychologists. PESI maintains responsibility for the program. Provider #1140. PESI is offering this activity for 6.25 hours of continuing education credit. Full attendance is required; no partial credits will be offered for partial attendance.

SOCIAL WORKERS: PESI, Inc. Provider #1062, is approved as a provider for social work continuing education by the Association of Social Work Boards (ASWB), www.aswb.org through the Approved Continuing Education (ACE) Program. PESI, Inc. maintains responsibility for the program. ASWB Approval Period: January 27, 2017 - January 27, 2020. Social workers should contact their regulatory board to determine course approval for continuing education credits. Social workers participating in this course will receive 6.25 (Clinical) continuing education clock hours for this Intermediate course. A certificate of attendance will be awarded at the end of the program to social workers who complete the program evaluation.

NEW JERSEY SOCIAL WORKERS: This course is approved by the Association of Social Work Boards – ASWB NJ CE Course Approval Program Provider #10 Course #1316 from 03/13/2017 to 03/13/2019. Social workers will receive the following type and number of credit(s): Clinical 6.25.

ASWB NJ Continuing Education Course Approval Program for the New Jersey Board of Social Work Examiners.

NEW YORK SOCIAL WORKERS: PESI, Inc. is recognized by the New York State Education Department’s (NYSED) State Board for Social Work as an approved provider of continuing education for licensed social workers #SW-0008. This activity will qualify for 7.5 contact hours. Full attendance is required; no partial credits will be offered for partial attendance.

OTHER PROFESSIONS: This activity qualifies for 380 minutes of instructional content as required by many national, state and local licensing boards and professional organizations. Save your course outline and certificate of completion, and contact your own board or organization for specific requirements.

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