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

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

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 &

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 &

Benzodiazepines & Benzodiazepine-like

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

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
- 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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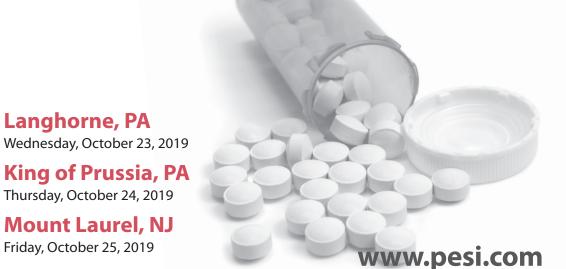
Thursday, October 24, 2019

Mount Laurel, NJ

Friday, October 25, 2019

Psychopharmacology

for Mental Health Professionals



Psychopharmacology

for Mental Health Professionals

- Current neuroscience underlying DSM-5® disorders and the use of psychotropics
- Effective medications for DSM-5® disorders

 Alternative treatments when standard medications fail

Strategies for predicting and preventing prescription drug abuse

Langhorne, PA Wednesday, October 23, 2019

King of Prussia, PA Thursday, October 24, 2019

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Friday, October 25, 2019



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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.

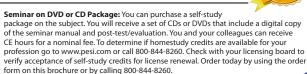
Speaker Disclosure:

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.

Questions? Call customer service at 800-844-8260

Hassle-Free Cancellation Policy: If you contact us before the event date, you can exchange for a DVD or CD/digital manual package on the subject (self-study continuing education credit may be available), a certificate to attend another seminar, or receive a tuition refund less a \$30 cancel fee. Substitutions are permitted at any time.



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7:30 Registration/Morning Coffee & Tea

8:00 Program begins **11:50-1:00** Lunch (on your own)

4:00 Program ends

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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.

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