

Χαρακτηριστικά:

- Showcases fundamental information on the basics of the science of pharmacology, exploring the study of drug actions and their therapeutic uses
- Includes illustrations and tables to enhance learning experiences
- Offers study questions, case questions, and other beneficial learning material for students, as well as test banks, PowerPoint slides, and video content for instructors

Περιεχόμενα:

Unit I: General Principals

1. Introduction
2. Pharmacodynamics
3. Pharmacokinetics
4. Pharmacogenomics
5. Medication Errors
6. Complementary and Alternative Therapies
7. Medical Law and Ethics
8. Drug Approvals and Drug Regulation

Unit II: Drug Effects in the Central Nervous System

9. Sedative-Hypnotic Drugs
10. Antiseizure Drugs
11. General Anesthetics
12. Local Anesthetics
13. Skeletal Muscle Relaxants
14. Drugs Used in Parkinsonism and Other Movement Disorders
15. Opioid Analgesics and Antagonists
16. Substance Use Disorders

Unit III: Autonomic Drugs

17. Neurotransmitters
18. Adrenergic Agonists
19. Adrenergic Antagonists
20. Cholinergic Agonists
21. Cholinergic Antagonists

Unit IV: Mental and Behavioral Health Drugs

22. Anxiety and Insomnia Drugs
23. Antidepressants
24. Antipsychotic Drugs
25. Schizophrenia Drugs

- 26. Personality Disorder Drugs
- 27. Somatic Symptom Disorders
- 28. Attention-Deficit/Hyperactivity Disorder Drugs

Unit V: Cardiovascular Drugs

- 29. Antihyperlipidemic Drugs
- 30. Antianginal Drugs
- 31. Antihypertensive Drugs
- 32. Antiarrhythmic Drugs
- 33. Drugs Used in Coagulation Disorders
- 34. Drugs Used in Heart Failure
- 35. Diuretics
- 36. Drugs Used for Electrolyte and Acid-Base Imbalances

Unit VI: Endocrine Drugs

- 37. Hypothalamic and Pituitary Hormones
- 38. Thyroid and Antithyroid Drugs
- 39. Adrenocorticosteroids and Adrenocortical Antagonists
- 40. Gonadal Hormones and Inhibitors
- 41. Pancreatic Hormones and Antidiabetic Drugs

Unit VII: Gastrointestinal Drugs

- 42. Antiemetics and Antidiarrheal Drugs
- 43. Antiulcer Drugs
- 44. Chronic Bowel Disease and Inflammatory Bowel Disease Drugs

Unit VIII: Respiratory Drugs

- 45. Asthma Drugs
- 46. Chronic Obstructive Pulmonary Disorder Drugs

Unit IX: Chemotherapeutic Drugs

- 47. Antiviral Drugs
- 48. Antibacterial Drugs
- 49. Antituberculosis Drugs
- 50. Antifungal Drugs
- 51. Antiprotozoal Drugs
- 52. Cancer Chemotherapy
- 53. Immunopharmacology

Unit X: Toxicology

- 54. Heavy Metals
- 55. Occupational Toxicology
- 56. Treatment of Intoxicated Patients

Unit XI: Special Topics

- 57. Dietary Supplements and Herbal Medications
- 58. Drug Interactions
- 59. NSAIDs and Acetaminophen
- 60. Drugs Used in Rheumatoid Arthritis and Gout

Appendix

- A: Dosage Calculations
- B: ISMP List of High-alert Medications
- C: Answers to End-of-Chapter Questions
- D: Answers to Case Study Critical Thinking Questions