Clinical Pharmacology, 11/e
International Edition

By Peter N. Bennett, MD FRCP DPMSA, Morris J. Brown, MA MSc FRCP FAHA FMedSci and Pankaj Sharma, MD PhD FRCP

A thorough knowledge of pharmacological and therapeutic principles is vital if drugs are to be used safely and effectively for increasingly informed patients. Those who clearly understand how drugs get into the body, how they produce their effects, what happens to them in the body, and how evidence of their therapeutic effect is assessed, will choose drugs more skilfully, and use them more safely and successfully than those who do not. Now in a fully revised 11th edition, Clinical Pharmacology is essential reading for undergraduate medical students, junior doctors and anyone concerned with evidence-based drug therapy.

KEY FEATURES

• Introductory first three sections cover general principles of clinical pharmacology; five subsequent sections cover drug treatment of disease, organised by body system
• Retains the highly approachable style set by the original author, Professor Laurence and appreciated by generations of readers
• Emphasis throughout is on evidence-based and safe drug prescribing
• The International Advisory Board ensures content reflects the needs of the developing world.


Section 7 Gastrointestinal System. Oesophagus, stomach and duodenum. Intestines. Liver, biliary tract and pancreas.

Pharmacology, 8/e International Edition
With Student Consult Online Access

By Humphrey P. Rang, MB MS MA DPhil FMedSci FRS Hon FBPharmacolS, Maureen M. Dale, MB BCh PhD, James M. Ritter, DPhil FRCP FBPharmacolS FMedSci, Rod J. Flower, PhD DSc FBPharmacolS FMedSci FRS and Graeme Henderson, BSc PhD FBPharmacolS

For 25 years, Rang and Dale’s Pharmacology has delivered the core basic and clinical science information required by students and healthcare practitioners worldwide. Authors H. P. Rang, J. M. Ritter, R. J. Flower, and G. Henderson have ensured that the 8th Edition of this easy-to-read, comprehensive text continues the tradition of excellence with new coverage of drugs affecting the skin and new components online at Student Consult.

KEY FEATURES

• Get the essential pharmacology information you need from one authoritative source with an outstanding global reputation for excellence.
• Progress confidently through all relevant aspects of pharmacology, beginning with a molecular understanding of receptors and drug actions through clinical uses of key groups of drugs.
• Find important content quickly thanks to a color-coded layout that enables easy navigation and cross-referencing.
• Master difficult concepts with Key Points boxes, Clinical Uses boxes, and full-color illustrations throughout.

Section 1: General principles
1. What is pharmacology?
2. How drugs act: general principles
3. How drugs act: molecular aspects
4. How drugs act: cellular aspects—excitation, contraction and secretion
5. Cell proliferation, apoptosis, repair and regeneration
6. Cellular mechanisms: host defence
7. Method and measurement in pharmacology
8. Drug absorption and distribution
9. Drug metabolism and elimination
10. Pharmacokinetics
11. Pharmacogenetics, pharmacogenomics and ‘personalised medicine’

Section 2: Chemical mediators
12. Chemical mediators and the autonomic nervous system
13. Cholinergic transmission
14. Noradrenergic transmission
15. 5-Hydroxytryptamine and the pharmacology of migraine
16. Purines
17. Local hormones: cytokines, biologically active lipids, amines and peptides
18. Cannabinoids
19. Peptides and proteins as mediators
20. Nitric oxide

Section 3: Drugs affecting major organ systems
21. The heart
22. The vascular system
23. Atherosclerosis and lipoprotein metabolism
24. Haemostasis and thrombosis
25. Haemopoietic system and treatment of anaemia
26. Anti-inflammatory and immunosuppressant drugs
27. The respiratory system
28. The kidney
29. The gastrointestinal tract
30. The control of blood glucose and drug treatment of diabetes mellitus
31. Obesity
32. The pituitary and the adrenal cortex
33. The thyroid
34. The reproductive system
35. Bone metabolism

Section 4: The nervous system
36. Chemical transmission and drug action in the central nervous system
37. Amino acid transmitters
38. Other transmitters and modulators
39. Neurodegenerative diseases