

Contents

Preface	vii
Drug dosage and nomenclature	ix

SECTION 1 GENERAL PRINCIPLES

1. Principles of pharmacology and mechanisms of drug action.....	3
2. Pharmacokinetics.....	31
3. Drug discovery, safety and efficacy	59
4. Neurotransmission and the peripheral autonomic nervous system.....	67

SECTION 2 THE CARDIOVASCULAR SYSTEM

5. Ischaemic heart disease	87
6. Systemic and pulmonary hypertension	105
7. Heart failure.....	125
8. Cardiac arrhythmias.....	137
9. Cerebrovascular disease and dementia	155
10. Peripheral vascular disease	163
11. Haemostasis	169

SECTION 3 THE RESPIRATORY SYSTEM

12. Asthma and chronic obstructive pulmonary disease.....	187
13. Respiratory disorders: cough, respiratory stimulants, cystic fibrosis and neonatal respiratory distress syndrome	205

SECTION 4 THE RENAL SYSTEM

14. Diuretics	213
15. Disorders of micturition	225
16. Erectile dysfunction.....	233

SECTION 5 THE NERVOUS SYSTEM

17. General anaesthetics	241
18. Local anaesthetics	251
19. Opioid analgesics and the management of pain	257
20. Anxiolytics, sedatives and hypnotics	273
21. The major psychotic disorders: schizophrenia and mania.....	281
22. Depression, attention deficit hyperactivity disorder and narcolepsy	293
23. Epilepsy	309
24. Extrapyrarnidal movement disorders and spasticity	323
25. Other neurological disorders: multiple sclerosis, motor neuron disease and Guillain-Barré syndrome.....	335
26. Migraine and other headaches	339

SECTION 6 THE MUSCULOSKELETAL SYSTEM

27. The neuromuscular junction and neuromuscular blockade	349
28. Myasthenia gravis	355
29. Non-steroidal anti-inflammatory drugs.....	359
30. Rheumatoid arthritis, other inflammatory arthritides and osteoarthritis.....	371
31. Hyperuricaemia and gout	383

SECTION 7 THE GASTROINTESTINAL SYSTEM

32. Nausea and vomiting	391
33. Dyspepsia and peptic ulcer disease	399
34. Inflammatory bowel disease	411
35. Constipation, diarrhoea and irritable bowel syndrome.....	417
36. Liver disease	425
37. Obesity	433

SECTION 8 THE IMMUNE SYSTEM

- 38. The immune response and immunosuppressant drugs 439
- 39. Antihistamines and allergic disease 449

SECTION 9 THE ENDOCRINE SYSTEM AND METABOLISM

- 40. Diabetes mellitus..... 457
- 41. The thyroid and control of metabolic rate..... 473
- 42. Calcium metabolism and metabolic bone disease..... 479
- 43. Pituitary and hypothalamic hormones..... 489
- 44. Corticosteroids (glucocorticoids and mineralocorticoids)..... 501
- 45. Female reproduction..... 511
- 46. Androgens, anti-androgens and anabolic steroids 529
- 47. Anaemia and haematopoietic colony-stimulating factors 535
- 48. Lipid disorders 545

SECTION 10 THE SKIN AND EYES

- 49. Skin disorders 559
- 50. The eye 569

SECTION 11 CHEMOTHERAPY

- 51. Chemotherapy of infections..... 581
- 52. Chemotherapy of malignancy..... 631

SECTION 12 GENERAL FEATURES: TOXICITY AND PRESCRIBING

- 53. Drug toxicity and overdose 661
- 54. Substance abuse and dependence..... 677
- 55. Prescribing, adherence and information about medicines 691
- 56. Drug therapy in special situations 695

- Index 707