

Contents

Preface, vi

List of contributors, vii

List of abbreviations, viii

Acknowledgements, xi

Introduction

- 1 How to be a medical student, 2
- 2 Basic clinical skills, 4
- 3 The critically ill patient, 8

Clinical Presentations at a Glance

Cardiovascular Disease

- 4 Chest pain, 12
- 5 Oedema, 14
- 6 Palpitations, 16
- 7 The painful leg, 17
- 8 Heart murmurs, 18
- 9 Shock, 20

Respiratory Disease

- 10 Breathlessness, cough and haemoptysis, 22
- 11 Wheeze (stridor), 26
- 12 Pleural effusion, 27
- 13 Pneumothorax, 28

Gastroenterology

- 14 Unintentional weight loss, 30
- 15 Constipation and change in bowel habit, 32
- 16 Diarrhoea: acute and chronic, 34
- 17 Vomiting and intestinal obstruction, 36
- 18 Haematemesis and melaena, 38
- 19 Rectal bleeding, 40
- 20 Dysphagia, 42
- 21 Abdominal pain and dyspepsia, 44
- 22 Jaundice, 46
- 23 Abdominal mass, 48
- 24 Ascites, 49

Renal Medicine

- 25 Polyuria and oliguria, 50
- 26 Dysuria, frequency and urgency, 52
- 27 Haematuria, 53

Endocrinology

- 28 Sweating, flushing and thyroid swellings, 54
- 29 Obesity, 56
- 30 Hirsutism and infertility, 58
- 31 Erectile dysfunction and gynaecomastia, 60

Infectious Disease

- 32 Principles of infection, 62
- 33 Diagnosis of infection, 64

- 34 Fever and the assessment of the patient with presumed infection,
- 35 Fever and infections in hospital patients, 68
- 36 Fever of unknown origin, 70
- 37 Fever and rash, 72
- 38 Fever in HIV-infected patients, 74
- 39 Fever in the returned traveller, 76
- 40 Vaginal discharge and urethritis, 78

Haematology

- 41 Anaemia, 80
- 42 Clinical approach to lymphadenopathy and splenomegaly, 82
- 43 The patient with abnormal bleeding or bruising, 84
- 44 Leukopenia, 85

Oncology

45 Oncological emergencies, 86

Neurology

- 46 Introduction to neurological diagnosis 1, 88
- 47 Introduction to neurological diagnosis 2, 90
- 48 Introduction to neurological diagnosis 3: neuroepidemiology, 92
- 49 Common neurological symptoms, 93
- 50 Weakness, 96
- 51 Disturbance of vision: a neurological perspective, 99
- 52 Sudden painless loss of vision, 102
- 53 Tremor and other involuntary movements, 104
- 54 Headache and facial pain, 106
- 55 Episodic alterations in awareness and consciousness, 108

Ophthalmology

56 The red eye, 112

Rheumatology

- 57 Introduction to rheumatological disease, 114
- 58 Low back pain and other regional pain syndromes, 118

Dermatology

- 59 Introduction to dermatology, 122
- 60 Itching and rashes, 124
- 61 Hair loss, clubbing and nail disorders, 126
- 62 Leg ulcers, 128
- 63 Photodermatoses, 129

Other Acute Medical Emergencies

- 64 Attempted suicide by drug poisoning, 130
- 65 Anaphylaxis, 132
- 66 Allergic reactions, 134
- 67 Cardiac and respiratory arrest, 136
- 68 Acute confusional states, 138
- 69 Coma, 140

Diseases and Treatments at a Glance

Cardiovascular Disease

70 Hypertension, 144

- 71 Hyperlipidaemia, 146
- 72 Acute coronary syndromes, 148
- 73 Acute myocardial infarction, 150
- 74 Chronic coronary syndromes, 152
- 75 Aortic dissection, 154
- 76 Heart failure, 156
- 77 Aortic valve disease, 158
- 78 Mitral valve disease, 160
- 79 Cardiomyopathies, 162
- 80 Pericardial disease, 163
- 81 Pulmonary embolism, 164
- 82 Cardiac infections, 166
- 83 Tachyarrhythmias, 168
- 84 Bradyarrhythmias, 172
- 85 Congenital heart disease, 174

Respiratory Disease

- 86 Lung function tests, 176
- 87 Sleep apnoea, 177
- 88 Respiratory failure, 178
- 89 Basic chest Xray interpretation, 180
- 90 Non-invasive ventilation, 181
- 91 Mechanical ventilation, 182
- 92 Lower respiratory tract infection: pneumonia, 184
- 93 Upper respiratory tract infection, 187
- 94 Asthma, 188
- 95 Chronic obstructive pulmonary disease, 191
- 96 Bronchiectasis, 194
- 97 Cystic fibrosis, 196
- 98 Sarcoidosis and other granulomatous lung diseases, 198
- 99 Extrinsic allergic alveolitis (hypersensitivity pneumonitis), 200
- 100 Fibrosing alveolitis, 202
- 101 Pulmonary eosinophilia and vasculitis, 204
- 102 Fungi and the lung, 206
- 103 Industrial lung disease, 208
- 104 Lung disease caused by drugs, 210
- 105 BOOP and ARDS, 211
- 106 Primary tumours of the lung, 212

Gastroenterology

- 107 Food poisoning and gastrointestinal infections, 214
- 108 Reflux, 215
- 109 Peptic ulcer disease, 216
- 110 Diverticular disease, 217
- 111 Iron deficiency, 218
- 112 Abnormal liver function tests, 220
- 113 Inflammatory bowel disease, 222
- 114 Malabsorption, 224
- 115 Pancreatitis and pancreatic cancer, 226
- 116 Gallstone disease, 228
- 117 Hepatitis: viral and autoimmune, 229
- 118 Acute and chronic liver disease, 233
- 119 Metabolic liver disease (including alcohol), 236
- 120 Upper gastrointestinal cancer, 238
- 121 Colorectal cancer, 240
- 122 Imaging in gastrointestinal disease, 242
- 123 Functional gastrointestinal disorders, 243
- 124 Nutrition, 244

Renal Medicine

- 125 Renal physiology and function tests, 246
- 126 Hypokalaemia and hyperkalaemia, 248
- 127 Hyponatraemia and hypernatraemia, 250
- 128 Disorders of acid-base balance, 252
- 129 Urinary calculi, 254
- 130 Nephrotic and nephritic syndromes, 256
- 131 Glomerulonephritis, 258
- 132 Renal involvement in systemic disease, 260
- 133 Hereditary renal disorders, 264
- 134 Tubulointerstitial disease, 266
- 135 Acute renal failure, 268
- 136 Chronic renal failure and the dialysis patient, 270
- 137 The renal transplant recipient, 272
- 138 Drugs and renal failure, 274
- 139 Benign prostatic hypertrophy, 275
- 140 Urinary tract infection, 276

Endocrinology

- 141 Diabetes mellitus, 278
- 142 Complications of diabetes, 280
- 143 Diabetic emergencies, 282
- 144 Hyperprolactinaemia and acromegaly, 283
- 145 Hypothyroidism, 284
- 146 Hyperthyroidism, 286
- 147 Calcium metabolism, 288
- 148 Adrenal disease, 290
- 149 Miscellaneous endocrine disorders, 292
- 150 Hypogonadism, 294

Infectious Disease

- 151 Bacteraemia and septic shock, 296
- 152 Common viral infections in adults, 298
- 153 HIV infection and AIDS, 300
- 154 Common fungal infections, 302
- 155 Specific bacterial infections, 304
- 156 Malaria, 306
- 157 Tuberculosis, 308
- 158 Tropical infectious diseases, 310
- 159 Diseases predisposing to infection, 312
- 160 Immunological deficiency syndromes, 314

Haematology

- 161 Haematinic deficiency anaemias, 318
- 162 Haemolytic anaemia, 320
- 163 Thalassaemia and sickle cell disease, 324
- 164 Bone marrow failure, 326
- 165 Acute leukaemia, 328
- 166 Chronic leukaemia, 330
- 167 Lymphoma, 332
- 168 Myeloproliferative disorders, 334
- 169 Myeloma, 336
- 170 Myelodysplasia, 337
- 171 The blood in systemic disease, 338
- 172 Platelet disorders, 340
- 173 Disorders of coagulation, 342
- 174 Anticoagulation, 344
- 175 Thrombophilia, 346

Oncology

- 176 Aetiology of cancer, 348
- 177 Diagnostic strategies and basic principles of cancer management, 350
- 178 Cancer screening and early detection, 352
- 179 Breast cancer, 354
- 180 Prostate cancer, 356
- 181 Cancer with an unknown primary, 358
- 182 Paraneoplastic syndromes and hormone-producing cancers, 360
- 183 Management of terminal illness, 362

Neurology

- 184 Stroke, 364
- 185 Management of stroke, 366
- 186 Other vascular disorders of the brain, 368
- 187 Dementias, 370
- 188 Epilepsy, 372
- 189 Multiple sclerosis, 374
- 190 Infections of the central nervous system, 376
- 191 Tumours and the nervous system, 378
- 192 Spinal cord disease, 380
- 193 Neuromuscular disease, 382
- 194 Peripheral neuropathy, 384
- 195 Movement disorders, 386

Rheumatology

- 196 Osteoarthritis, 388
- 197 Gout and pseudogout, 390
- 198 Arthritis associated with infectious agents, 392

- 199 Metabolic bone disease, 394
- 200 Other bone disease, 396
- 201 Rheumatoid arthritis, 398
- 202 Seronegative spondyloarthropathies, 402
- 203 Vasculitis, 406
- 204 Systemic lupus erythematosus, 409
- 205 Inflammatory muscle disease and other conditions, 412

Dermatology

- 206 Eczema and urticaria, 414
- 207 Psoriasis, 417
- 208 Acne, rosacea, hidradenitis, 418
- 209 Disorders of skin pigmentation, 419
- 210 Blistering diseases, 420
- 211 Skin infections and infestations, 422
- 212 The skin and systemic disease, 425
- 213 Skin tumours, 428
- 214 Orogenital disease, 430

Miscellaneous

- 215 Psychiatric disorders, 432
- 216 Illness in elderly people, 434
- 217 Fluid replacement therapy, 436
- 218 Chronic tiredness and other medically unexplained symptoms, 438
- 219 Drug toxicity (adverse drug reactions), 440

Index, 445