
Contents

Preface

vii

1 Infectious Diseases

1

- Herpes simplex 1
Chickenpox and herpes
 zoster 2
Infectious mononucleosis 3
CMV infection 3
Measles 4
Mumps 4
Poliomyelitis 5
Rubella 6
Rabies 6
Dengue 7
Hantavirus syndrome 7
Severe acute respiratory syn-
 drome (SARS) 8
Yellow fever 8
Ebola-Marburg disease 8
Respiratory syncytial virus 8
Influenza 9
Typhus fevers 9
Q fever 10
Kawasaki syndrome 10
Streptococcal infection 11
Pneumococcal infections 12
Staphylococcal infections 12
Gas gangrene (clostridial
 myonecrosis) 13
Tetanus 14
Botulism 14
Anthrax 14
Diphtheria 15
Listeriosis 15
Whooping cough 15
Legionnaire's disease 16
Gram negative bacteremia 16
Enteric fever 17
Shigellosis 17
Cholera 17
Brucellosis 18
Tularemia 18
Plague 18
Chancroid 19
Granuloma inguinale 19
Bacillary angiomatosis 19
Anaerobic infections 20
Actinomycosis 20
Nocardiosis 21
Ornithosis 21
Syphilis 22
Nonsexually transmitted
 treponematoses 23
Relapsing fever 23
Ratbite fever 23
Leptospirosis 24
Lyme disease 24
Leishmaniasis 25
Trypanosomiasis 25
Amoebiasis 26
Amoebic
 meningo-encephalitis 28
Babesiosis 28
Balantidiasis 28
Cryptosporidiosis 29
Giardiasis 29
Schistosomiasis 30

Fasciolopsiasis	30	Trichinosis	35
Fascioliasis	30	Trichuriasis	36
Paragonimiasis	30	Toxocariasis	36
Tapeworm infections	31	Filariasis	36
Cysticercosis	31	Loiasis	37
Echinococcosis	32	Onchocerciasis	37
Anisakiasis	32	Candidiasis	38
Angiostrongyliasis	33	Histoplasmosis	38
Ascariasis	33	Cryptococcosis	39
Creeping eruption	34	Aspergillosis	39
Dracunculiasis	34	Mucormycosis	40
Enterobiasis	34	Maduromycosis	40
Gnathostomiasis	34	Blastomycosis	40
Ankylostomiasis	35	Sporotrichosis	40
Strongyloidiasis	35	Malaria	41

2 Renal Diseases

45

Acute renal failure	45	Acute pyelonephritis	52
Chronic renal failure	46	Acute cystitis	53
Nephritic syndrome	47	Prostatitis	53
Nephrotic syndrome	49	Epididymitis	54
Diseases with nephritic and nephrotic components	50	Interstitial cystitis	55
Interstitial nephritis	51	Benign hyperplasia of prostate	55
Polycystic kidney disease	51	Renal cell carcinoma	56
Medullary sponge kidney	52	Testicular tumor	56

3 Endocrine Disorders

59

Hypopituitarism	59	Osteoporosis	66
Diabetes insipidus	59	Osteomalacia	66
Acromegaly	60	Paget's disease	67
Hyperprolactinemia	61	Addison's disease	67
Thyroid nodules	61	Cushing's syndrome	68
Multinodular goiter	62	Hirsutism and virilization	68
Hypothyroidism	62	Hyperaldosteronism	69
Hyperthyroidism	63	Pheochromocytoma	69
Thyroiditis	64	Male hypogonadism	70
Hypoparathyroidism	65	Diabetes mellitus	71
Hyperparathyroidism	65		

4 Diseases of Lungs and Respiration **79**

- | | | | |
|---------------------------|----|-------------------------------------|-----|
| Bronchial asthma | 79 | Bronchopulmonary aspergillosis | 95 |
| Acute bronchitis | 84 | Hypersensitive pneumonitis | 96 |
| Chronic bronchitis | 84 | Pleural effusion | 96 |
| Bronchiectasis | 86 | Empyema | 98 |
| Pneumonia | 87 | Pneumothorax | 98 |
| Pulmonary tuberculosis | 88 | Obesity-hypoventilation syndrome | 100 |
| Bronchogenic carcinoma | 90 | Acute respiratory distress syndrome | 100 |
| Interstitial lung disease | 91 | Emphysema | 101 |
| Pulmonary eosinophilia | 92 | | |
| Pulmonary embolism | 93 | | |
| Pulmonary hypertension | 94 | | |
| Cor pulmonale | 95 | | |

5 Cardiovascular Diseases **103**

- | | | | |
|-----------------------------|-----|-----------------------|-----|
| Congestive heart failure | 103 | Pericardial effusion | 109 |
| Acute pulmonary edema | 104 | Systemic hypertension | 110 |
| Myocarditis | 105 | Angina pectoris | 113 |
| Dilated cardiomyopathy | 105 | Unstable angina | 115 |
| Hypertrophic cardiomyopathy | 106 | Variant angina | 115 |
| Restrictive cardiomyopathy | 107 | Myocardial infarction | 116 |
| Acute rheumatic fever | 108 | Arrhythmias | 117 |

6 Nervous System **121**

- | | | | |
|----------------------------------|-----|--|-----|
| Migraine | 121 | Bell's palsy | 139 |
| Cluster headache | 122 | Myasthenia gravis | 140 |
| Trigeminal neuralgia | 122 | Botulism | 142 |
| Epilepsy | 122 | Common infectious diseases | 142 |
| Transient ischaemic attack (TIA) | 124 | Purulent meningitis | 142 |
| Stoke | 125 | Chronic meningitis | 144 |
| Intracerebral haemorrhage | 128 | Herpes encephalitis | 145 |
| Intracranial tumors | 131 | Arbovirus encephalitides | 145 |
| Brain abscess | 134 | Lymphocytic choriomeningitis | 145 |
| Pseudotumor cerebri | 135 | Alzheimer's disease (AD) | 146 |
| Parkinsonism | 135 | Guillain-Barre syndrome (infective polyneuritis) | 147 |
| Multiple sclerosis (MS) | 137 | | |
| Motor neurone disease | 138 | | |
| Syringomyelia | 139 | | |

7 Diseases of Alimentary Tract

149

- Upper GI bleed 149
Lower GI bleed 150
Gastroesophageal reflux disease 151
Infectious esophagitis 153
Caustic esophageal injury 153
Esophageal varices 154
Cancer esophagus 154
Achalasia 155
Esophageal dysmotility 155
Gastritis and gastropathy 156
Peptic ulcer disease 157
Zollinger-Elison syndrome 159
Carcinoma stomach 160
Gastric lymphoma 160
Malabsorption 161
Paralytic ileus 162
Appendicitis 162
Intestinal tuberculosis 163
Irritable bowel syndrome (IBS) 163
Antibiotic associated colitis 164
Crohn's disease 164
Ulcerative colitis 167
Diverticulosis/Diverticulitis 168
Colonic polyposis 169
Colorectal cancer 170
Haemorrhoids 170

8 Hepatobiliary Diseases

171

- Viral hepatitis 171
Acute hepatic failure 173
Chronic active hepatitis 174
Alcoholic hepatitis 175
Hepatic steatosis (fatty liver) 175
Cirrhosis of liver 176
Biliary cirrhosis 178
Primary sclerosing cholangitis 178
Hepatocellular carcinoma 179
Cholelithiasis 180
Cholecystitis 181
Choledocholithiasis 182
Acute pancreatitis 182
Chronic pancreatitis 184

9 Diseases of Blood

185

- Iron deficiency anaemia 185
Thalassemias 185
Megaloblastic anaemia 186
Spherocytosis 186
Sickle cell anaemia 187
Autoimmune haemolytic anaemia 188
Aplastic anaemia 188
Polycythemia vera 189
Myelofibrosis 189
Chronic myeloid leukemia 189
Myelodysplasia 191
Acute leukemia 191
Chronic lymphocytic leukemia (CLL) 192
Hairy cell leukemia 193
Non-Hodgkin's lymphoma 194
Hodgkin's lymphoma 195
Multiple myeloma 195
Waldenstrom's macroglobulinemia 196
Idiopathic thrombocytopenic purpura (ITP) 196
Thrombotic thrombocytopenic purpura (TTP) 197
Haemolytic uremic syndrome (HUS) 197
Von Willebrand's disease 197
Disseminated intravascular coagulation 198

10 Rheumatic Disorders**199**

- Rheumatoid arthritis 199
 Systemic lupus erythematosus 200
 Systemic sclerosis 201
 Polymyositis -
 dermatomyositis 202
 Sjogren's syndrome 202
 Polyarteritis nodosa and
 microscopic polyangiitis 203
 Polymyalgia rheumatica and
 giant cell arteritis 203
 Wegner's granulomatosis 204
 Ankylosing spondylitis 204
 Psoriatic arthritis 204
 Reiter's syndrome 205

11 Electrolyte Disorders**207**

- Hyponatremia 207
 Hypernatremia 208
 Hypokalemia 208
 Hyperkalemia 208
 Hypocalcemia 209
 Hypercalcemia 209
 Hypophosphatemia 210
 Hypomagnesemia 210
 Hypermagnesemia 210
 Respiratory acidosis 210
 Respiratory alkalosis 211
 Metabolic acidosis 211

12 Skin Diseases**213**

- Atopic dermatitis (eczema) 213
 Lichen simplex (neurodermatitis) 213
 Lichen planus 214
 Psoriasis 214
 Pityriasis rosea 214
 Seborrheic dermatitis 215
 Tinea corporis 215
 Tinea versicolor 215
 Discoid lupus erythematosus 216
 Mycosis fungoides (cutaneous
 T cell lymphoma) 216
 Porphyrin 216
 Dermatophytid 217
 Porphyria cutanea tarda 217
 Impetigo 217
 Allergic contact dermatitis 218
 Acne vulgaris 218
 Rosacea 218
 Mucocutaneous candidiasis 219
 Erythema multiforme 219
 Erysipelas 219
 Pemphigus 220
 Bullous pemphigoid 220
 Dermatitis herpetiformis 220
 Scabies 221
 Pediculosis 221
 Erythema nodosum 221
 Alopecia 222
 Onychomycosis 222

13 Poisoning**223**

- Coma 223
 Hypothermia 223
 Hypotension 224
 Convulsion 224
 Arrhythmias 224
 General principles of treatment
 in poisoning 224
 Antidotes 225
 Acids and corrosives 225
 Arsenic 225
 Atropine and belladonna 226
 Carbon monoxide 226
 Cyanide 226
 Ethyl alcohol 226
 Methanol and ethylene glycol 226

Opioids	227	Salicylates	227
Organophosphates and carbamates	227	Snake bite	228

14 Psychiatric Disorders **229**

Anxiety disorders	229	Psychotic disorders	231
Generalised anxiety	229	Depression	234
Panic disorder	229	Mania	236
Obsessive compulsive disorders	229	Insomnia	237
Phobic disorders	229	Hypersomnia	237
Dissociative disorders	229	Parasomnias	237
Samatoform disorders	230	Alcohol abuse/dependence	238

Appendices **239**

<i>Index</i>	259
--------------	------------