

Detailed contents

Symbols and abbreviations	xx
1 Basic pathology	1
Pathological terminology	2
Cellular adaptations	3
Cellular death	4
Inflammation & healing	5
Innate immunity	6
Adaptive immunity	8
Hypersensitivity reactions	10
Neoplasia	11
Carcinogenesis	12
2 Infectious diseases	15
Microbes	16
Antimicrobial agents	17
Human immunodeficiency virus	18
Tuberculosis	20
Infectious mononucleosis	21
Malaria	22
Syphilis	24
Lyme disease	25
Leishmaniasis	26
3 Vascular pathology	27
Atherosclerosis	28
Shock	30
Hypertension	31
Chronic lower limb ischaemia	32
Acute lower limb ischaemia	33
Aortic dissection	34
Abdominal aortic aneurysm	35
Varicose veins	36
Deep vein thrombosis	37

xii DETAILED CONTENTS

4 Cardiac pathology	39
Congenital heart disease	40
Angina pectoris	42
Unstable angina	43
Non-ST-elevation myocardial infarction	44
ST-elevation myocardial infarction	46
Left ventricular failure	48
Right ventricular failure	50
Valvular heart disease	51
Cardiomyopathies	52
Infective endocarditis	53
Myocarditis	54
Pericarditis	55
<hr/>	
5 Respiratory pathology	57
Respiratory tract malformations	58
Benign sinonasal diseases	59
Sinonasal malignancies	60
Nasopharyngeal diseases	61
Laryngeal diseases	62
Respiratory failure	63
Acute respiratory distress syndrome	64
Bronchiectasis	65
Cystic fibrosis	66
Pulmonary thromboembolism	67
Pulmonary hypertension	68
Asthma	69
Chronic obstructive pulmonary disease	70
Bacterial pneumonia	72
Idiopathic pulmonary fibrosis	74
Hypersensitivity pneumonitis	76
Lung carcinoma	78
Pleural effusion	80
Pneumothorax	81
Malignant mesothelioma	82

6 Gastrointestinal pathology	83
Gastrointestinal malformations	84
Oral cavity diseases	86
Salivary gland diseases	87
Oesophagitis	88
Oesophageal polyps and nodules	89
Oesophageal carcinoma	90
Gastritis	92
Gastric polyps	93
Gastric carcinoma	94
Gastrointestinal stromal tumours	96
Peptic duodenitis	97
Coeliac disease	98
Small bowel infarction	99
Intestinal infections	100
Intestinal obstruction	102
Acute appendicitis	103
Crohn's disease	104
Ulcerative colitis	105
Microscopic colitis	106
Colorectal polyps	108
Colorectal carcinoma	110
Diverticular disease	112
Anal pathology	113
<hr/>	
7 Hepatobiliary pathology	115
Acute viral hepatitis	116
Chronic viral hepatitis	117
Alcoholic liver disease	118
Non-alcoholic fatty liver disease	119
Autoimmune hepatitis	120
Primary biliary cirrhosis	121
Primary sclerosing cholangitis	122
Wilson's disease	123
Hereditary haemochromatosis	124
Cirrhosis	125

xiv DETAILED CONTENTS

Benign liver lesions	126
Hepatocellular carcinoma	127
Intrahepatic cholangiocarcinoma	128
Cholecystitis	129
Extrahepatic bile duct carcinoma	130
<hr/>	
8 Pancreatic pathology	131
Pancreatic malformations	132
Acute pancreatitis	133
Chronic pancreatitis	134
Pancreatic ductal carcinoma	135
Pancreatic endocrine tumours	136
Pancreatic cystic tumours	138
Acinar cell carcinoma	139
<hr/>	
9 Renal pathology	141
Chronic kidney disease	142
Acute renal failure	144
Hypertensive nephropathy	145
Diabetic nephropathy	146
Minimal change disease	147
Focal segmental glomerulosclerosis	148
Membranous nephropathy	149
IgA nephropathy	150
Acute tubular injury	151
Acute drug-induced interstitial nephritis	152
Anti-glomerular basement membrane disease	153
Reflux nephropathy	154
Obstructive nephropathy	155
<hr/>	
10 Urological pathology	157
Genitourinary malformations	158
Urinary tract infection	160
Urinary tract obstruction	162
Urinary calculi	164
Cystic renal diseases	165
Benign renal tumours	166

Renal cell carcinoma	168
Childhood renal tumours	170
Urothelial carcinomas	172
Benign prostatic hyperplasia	174
Prostate carcinoma	176
Testicular germ cell tumours	178
Testicular non-germ cell tumours	180
Paratesticular diseases	181
Urethral diseases	182
Penile diseases	183
Scrotal diseases	184
<hr/>	
11 Gynaecological pathology	185
Vulval skin diseases	186
Benign vulval tumours	187
Vulval carcinoma	188
Vaginal infections	190
Vaginal tumours	191
Cervical carcinoma	192
Cervical screening	194
Endometriosis	195
Endometrial carcinoma	196
Uterine leiomyomas	198
Functional ovarian cysts	200
Polycystic ovarian syndrome	202
Benign ovarian tumours	204
Ovarian carcinomas	206
Pelvic inflammatory disease	208
Ectopic pregnancy	209
Hydatidiform moles	210
Pre-eclampsia	212
<hr/>	
12 Breast pathology	215
Duct ectasia	216
Acute mastitis	217
Fat necrosis	218
Fibrocystic change	219

xvi DETAILED CONTENTS

Fibroadenoma	220
Intraductal papilloma	222
Radial scar	223
Proliferative breast diseases	224
Ductal carcinoma <i>in situ</i>	225
Invasive breast carcinomas	226
Breast screening	228
Male breast diseases	229
<hr/>	
13 Endocrine pathology	231
Diabetes mellitus	232
Hashimoto's thyroiditis	234
Graves' disease	235
Nodular goitre	236
Follicular adenoma	237
Thyroid carcinomas	238
Parathyroid hyperplasia	240
Parathyroid adenoma	241
Parathyroid carcinoma	242
Addison's disease	243
Adrenal cortical adenoma	244
Adrenal cortical carcinoma	246
Phaeochromocytoma	248
Neuroblastoma	250
Pituitary adenoma	252
<hr/>	
14 Haematopathology	255
Iron deficiency anaemia	256
Anaemia of chronic disease	257
Megaloblastic anaemias	258
Hereditary spherocytosis	259
Glucose-6-phosphate dehydrogenase deficiency	260
Thalassaemias	261
Sickle cell disorders	262
Idiopathic thrombocytopenic purpura	264
Thrombotic thrombocytopenic purpura	265

von Willebrand disease	266
Haemophilia	267
Thrombophilia	268
Acute B-lymphoblastic leukaemia	269
Acute myeloid leukaemias	270
Chronic lymphocytic leukaemia	271
Chronic myelogenous leukaemia	272
Polycythaemia vera	273
Essential thrombocythaemia	274
Primary myelofibrosis	275
Myelodysplastic syndromes	276
Follicular lymphoma	277
Diffuse large B-cell lymphoma	278
Extranodal marginal zone lymphoma	279
Mantle cell lymphoma	280
Classical Hodgkin lymphoma	281
Plasma cell myeloma	282
Primary amyloidosis	283
15 Skin pathology	285
Eczemas	286
Psoriasis	287
Lichen planus	288
Erythema multiforme	289
Granuloma annulare	290
Pemphigus vulgaris	291
Bullous pemphigoid	292
Dermatitis herpetiformis	293
Erythema nodosum	294
Pyoderma gangrenosum	295
Skin infections	296
Benign cutaneous lumps	298
Basal cell carcinoma	300
Squamous cell carcinoma	301
Malignant melanoma	302
Mycosis fungoides	304

xviii DETAILED CONTENTS

16 Osteoarticular pathology	305
Osteoarticular malformations	306
Osteoporosis	307
Paget's disease	308
Osteomalacia	309
Osteomyelitis	310
Benign bone tumours	311
Malignant bone tumours	312
Osteoarthritis	313
Rheumatoid arthritis	314
Spondyloarthropathies	315
Crystal arthropathies	316
Septic arthritis	317
Soft tissue tumours	318
<hr/>	
17 Neuropathology	321
Nervous system malformations	322
Epilepsy	323
Head injury	324
Cerebral infarction	325
Intracerebral haemorrhage	326
Subarachnoid haemorrhage	328
Meningitis	330
Cerebral infections	331
Multiple sclerosis	332
Alzheimer's disease	333
Dementia with Lewy bodies	334
Parkinson's disease	335
Huntington's disease	336
Motor neurone disease	337
Creutzfeldt–Jacob disease	338
Central nervous system neoplasms	340
Guillain–Barré syndrome	342
Myasthenia gravis	343
<hr/>	

DETAILED CONTENTS **xix**

18 Multisystem diseases **345**

Systemic lupus erythematosus 346

Systemic sclerosis 348

Sarcoidosis 349

Vasculitis 350

Index 351