

CONTENTS

<i>Acknowledgements</i>	<i>page</i> xi
<i>Preface</i>	xiii
<i>List of abbreviations</i>	xiv

Section I Musculoskeletal radiology 1

Achilles tendonopathy/rupture	3
Aneurysmal bone cysts	7
Ankylosing spondylitis	10
Avascular necrosis – osteonecrosis	13
Femoral-head osteonecrosis	17
Kienböck’s disease	19
Back pain – including spondylolisthesis/spondylolysis	21
Bone cysts	27
Bone infarcts (medullary)	29
Bone islands	29
Charcot joint (neuropathic joint)	34
Complex regional-pain syndrome	36
Crystal deposition disorders	38
Developmental dysplasia of the hip (DDH)	41
Discitis and vertebral osteomyelitis	45
Disc prolapse – PID – ‘slipped discs’ and sciatica	49
Diffuse idiopathic skeletal hyperostosis (DISH)	53
Dysplasia – developmental disorders	55
Enthesopathy	60
Gout	62
Haemophilia	65
Hyperparathyroidism	68
Hypertrophic pulmonary osteoarthropathy	71
Irritable hip/transient synovitis	74
Juvenile idiopathic arthritis	76

Langerhans-cell histiocytosis	78
Lymphoma of bone	81
Metastases to bone	83
Multiple myeloma	87
Myositis ossificans	89
Non-accidental injury	92
Osteoarthritis – osteoarthritis	96
Osteochondroses	99
Osteomyelitis (acute)	102
Osteoporosis	105
Paget's disease	108
Perthes disease	113
Pigmented villonodular synovitis (PVNS)	115
Psoriatic arthropathy	119
Renal osteodystrophy (including osteomalacia)	122
Rheumatoid arthritis	124
Rickets	127
Rotator-cuff disease	129
Scoliosis	133
Scheuermann's disease	137
Septic arthritis – native and prosthetic joints	139
Sickle-cell anaemia	143
Slipped upper femoral epiphysis (SUFE)	149
Tendinopathy – tendonitis	151
Tuberculosis	154
Tumours of bone (benign and malignant)	159
Section II Trauma radiology	177
General trauma/spine	179
ATLS – Advanced Trauma Life Support	179
Acetabular fractures	181
Aortic rupture	184
Cervical spine injury	186
Flail chest	195
Haemothorax	197

Open fractures	199
Pelvic fracture	202
Peri-physeal injury	205
Pneumothorax	207
Rib/sternal fracture	210
Skull fracture	212
Thoraco-lumbar spine fractures	215
Upper limb	221
Acromioclavicular joint injury	221
Carpal dislocation and instability	223
Clavicular fractures	228
Elbow injuries and distal humeral fractures	230
Hand injuries – general principles	234
Hand injuries – specific examples	237
Thumb metacarpal fractures	248
Humerus fracture – proximal fractures	251
Humerus fracture – shaft fractures	254
Humerus fracture – supracondylar fractures – paediatric	256
Radius fracture – head of radius fractures	258
Radius fracture – shaft fractures	262
Galeazzi fracture dislocation	264
Radius fracture – distal radial fractures	266
Colles' fracture	266
Related wrist fractures	269
Smith's fracture	269
Barton's fracture	269
Chauffeur's (Hutchinson) fracture	269
Greenstick fracture	269
SH-II epiphyseal injury	269
Scaphoid fracture	272
Scapular fracture	275
Shoulder dislocation	278
Ulna fracture – proximal and olecranon fractures	282
Ulna fracture – shaft fractures	284
Monteggia fracture dislocation	286

Lower limb	289
Accessory ossicles of the foot	289
Ankle fractures	292
Bone bruising	297
Calcaneal (Os calcis) fractures	301
Femoral neck fracture	303
Femoral shaft fracture	307
Femoral supracondylar fracture	309
Hip dislocation – traumatic	312
Knee soft-tissue injury	316
Metatarsal fractures – commonly fifth MT base	321
Lisfranc injury	323
Patella fracture	326
Tibial-plateau fracture	329
Tibial-shaft fractures	332
Tibial-plafond (Pilon) fractures	335
Talus fractures/dislocations	338
Tarsal fractures and toe phalangeal injury	341