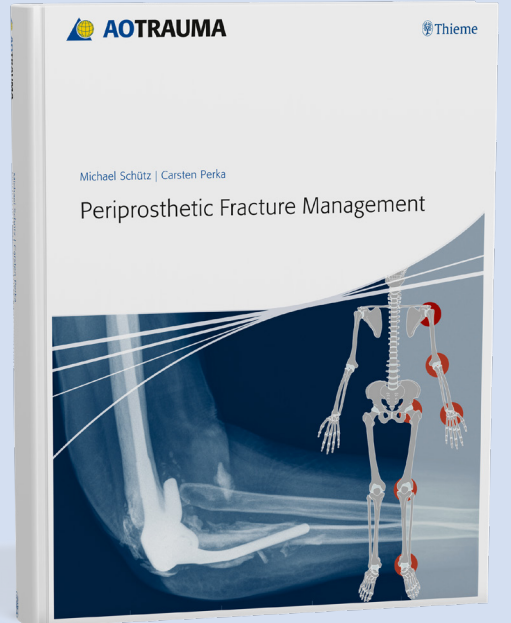


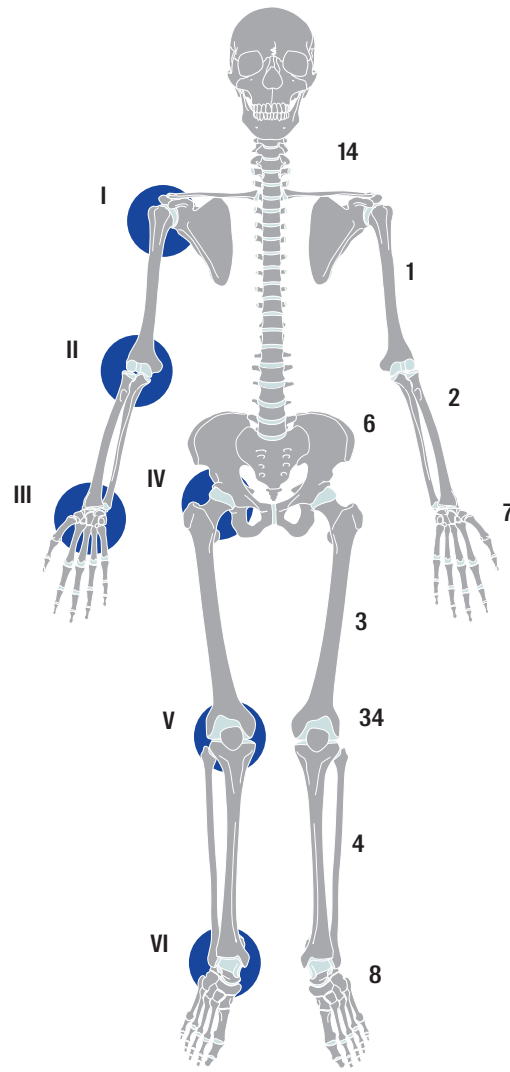
Periprosthetic Fracture Management



Periprosthetic Fracture Management brings together the latest knowledge on periprosthetic fractures and introduces the Unified Classification System for periprosthetic fractures

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Type	I Shoulder		II Elbow		III Wrist		IV Hip		V Knee			VI Ankle		
	I.14	I.1	II.1	II.2	III.2	III.7	IV.6	IV.3	V.3	V.4	V.34	VI.4	VI.8	
	Glenoid/scapula	Humerus, proximal	Humerus, distal	Ulna/radius, proximal	Radius/ulna, distal	Carpus/metacarpals	Acetabulum/pelvis	Femur, proximal	Femur, distal	Tibia, proximal	Patella	Tibia, distal	Talus	
A <i>Apophyseal or extraarticular/periarticular</i>	A1 Avulsion of	Coracoid process	Greater tuberosity	Lateral epicondyle	Olecranon tip	Radial styloid	—	Anterior inferior and superior iliac spine	Greater trochanter	Lateral epicondyle	Medial or lateral plateau, nondisplaced	Disrupted extensor, proximal pole	Tip of the medial malleolus	—
	A2 Avulsion of	Acromion	Lesser tuberosity	Medial epicondyle	Coronoid process, radial tuberosity	Ulnar styloid, if ulna retained	—	Ischial tuberosity	Lesser trochanter	Medial epicondyle	Tibial tubercle	Disrupted extensor, distal pole	Tip of the lateral malleolus	—
B <i>Bed of the implant or around the implant</i>	B1 Prosthesis stable, good bone	Glenoid implant stable, good bone	Humeral implant stable, good bone	Humeral implant stable, good bone	Ulnar implant stable, good bone	Radial implant stable, good bone	Carpal/metacarpal implant stable, good bone	Acetabular rim or floor, good bone	Stem stable, good bone; Surface replacement: femoral neck	Proximal to stable stem, good bone	Stem and component stable, good bone	Intact extensor, implant stable, good bone	Transverse or medial malleolus shear, good bone	Body of the talus, good bone
	B2 Prosthesis loose, good bone	Glenoid implant loose, good bone	Humeral implant loose, good bone	Humeral implant loose, good bone	Ulnar implant loose, good bone	Radial implant loose, good bone	Carpal/metacarpal implant loose, good bone	Loose cup, good bone	Loose stem, good bone; Surface replacement: loose implant, no proximal femoral bone loss	Proximal to loose stem, good bone	Loose component/stem, good bone	Loose implant, good bone	Tibial implant loose, good bone	Body of the talus, loose, good bone
	B3 Prosthesis loose, poor bone or bone defect	Glenoid implant loose, poor bone, defect	Humeral implant loose, poor bone, defect	Humeral implant loose, poor bone, defect	Ulnar implant loose, poor bone, defect	Radial implant loose, poor bone, defect	Carpal/metacarpal implant loose, poor bone, defect	Loose cup, poor bone, defect; Pelvic discontinuity	Loose stem, poor bone, defect; Surface replacement: loose implant, bone loss	Proximal to loose stem, poor bone, defect	Loose component/stem, poor bone, defect	Loose implant, poor bone, defect	Tibial implant loose, poor bone, defect	Body of the talus, bone defect
C <i>Clear of or distant to the implant</i>	—	Body of the scapula	Distal to the implant	Proximal to the implant	Distal to the implant	Proximal to the implant	Distal metacarpals	Pelvic/acetabular fractures distant to the implant	Distal to the implant and cement mantle	Proximal to the implant and cement mantle	Distal to the implant and cement mantle	—	Proximal to the implant	Neck or head of the talus
D <i>Dividing the bone between two implants or interprosthetic or intercalary</i>	—	—	Between shoulder and elbow arthroplasties, close to the shoulder	Between shoulder and elbow arthroplasties, close to the elbow	—	Between wrist and radial head prosthesis	—	Pelvic fracture between bilateral total hip arthroplasties	Between hip and knee arthroplasties, close to the hip	Between hip and knee arthroplasties, close to the knee	Between ankle and knee arthroplasties, close to the knee	Between ankle and knee arthroplasties, close to the knee	Between knee and ankle arthroplasties, close to the ankle	Between ankle and talonavicular arthroplasties
E <i>Each of two bones supporting one arthroplasty or polyperiprosthetic</i>	—	Scapula and humerus	—	Humerus and ulna/radius	—	Radius/ulna and carpus/metacarpals	—	Pelvis and femur	—	Femur and tibia/patella	—	—	Tibia and talus	—
F <i>Facing and articulating with a hemiarthroplasty</i>	—	Fracture of the glenoid articulating with the humeral hemiarthroplasty	—	Distal humeral fracture articulating with the radial head prosthesis	—	—	—	Fracture of the acetabulum articulating with the femoral hemiarthroplasty	—	Fracture of femoral condyle articulating with tibial hemiarthroplasty	—	Fracture of the patella that has no surface replacement and articulates with the femoral component of the total knee arthroplasty	—	—



AO Recon Unified Classification System (UCS)

Clive P Duncan, Fares S Haddad



Editors

Clive P Duncan MD, MSc, FRCS
Professor and Emeritus Chair
Department of Orthopaedic Surgery
University of British Columbia
Senior Consultant and Emeritus Chief
Department of Orthopaedics
Vancouver General and University Hospitals
Vancouver, British Columbia, Canada

Fares S Haddad BSc, MD(Res), MCh (Orth), FRCS (Orth), Dip.Sports
Med FFSEM
Consultant Orthopaedic Surgeon
University College London Hospitals NHS Trust
Professor at the Institute of Sport, Exercise and Health