TABLE OF CONTENTS

GENERAL PRINCIPLES

Basic Science and Principles	SECTION EDITOR PHILIPP LEUCHT*	
1	Classification of Fractures and Taxonomy	
2	Biology of Fracture Healing and Repair	
3	Biology of Cartilage, Tendon, and Soft Tissue Healing and Repair	
4	Biomechanics of Bone and Fracture Healing	
5	Biomechanics of Orthopaedic Implants	
6	Metabolic Bone Disease and Osteoporosis	
7	Stress Fractures	
8	Pathologic Fractures	
9	Medical Influences on Orthopaedic Trauma Including Diabetes and Obesity	
10	Orthobiologics in Orthopaedic Trauma	
11	Musculoskeletal Imaging for Trauma and Radiation Safety	
12	AI and Digital Technology	
13	Epidemiology, Socioeconomic Disparities, and Social Determinants of Health in Musculoskeletal Injury	
14	Trauma Systems	
15	Patient Safety	
16	Value-Based Care and Case Costing	
17	Orthopaedic Trauma Billing	
18	Practice Management and Social Media	
19	Implant Design and Development	
Fracture Treatment and Outo	SECTION EDITOR DEREK DONEGAN*	
20	Nonsurgical Fracture Management Principles	
21	Traction and External Fixation Principles	
22	·	
23		
24		
25		
26	Postoperative Management and Rehabilitation	
27	Venous Thromboembolic Disease in Orthopaedic Trauma	
28	Perioperative Pain Management in Musculoskeletal Injury	
29	Complex Regional Pain Syndrome	
30	Heterotopic ossification after trauma	
31	Malunion	
32	Nonunion and Bone Defects	
33	Infection and Osteomyelitis	
34	Post-Traumatic Arthritis	
Trauma Management Princip	SECTION EDITOR GEOFFREY MARECEK*	
35	Polytrauma Patient Management	
36	Military and Gunshot Injury Management	
37	Disaster and Mass Casualty Management	
38	Open Fracture and Wound Management (include Morel-Lavallee here)	
39	Acute Compartmental Syndrome	
40	Mangled Extremity Management	
41	Soft Tissue Coverage Principles	
42	Nerve Injury Management	
43	Trauma-Related Amputations	
44	Mental Health, Post-Traumatic Stress Screening, and Psychosocial Influence on Recovery	
45	· · · · · · · · · · · · · · · · · · ·	
46	Management of Orthopaedic Trauma in Austere Environments (Low-Middle Income Countries)	
47		
PEDS SECTION EDITOR BEN H		

Pediatric Chapters TBD

	48	Clavicle Fractures
	49	Acromioclavicular and Sternoclavicular Joint Injuries
	50	Glenoid and Scapula Fractures
	51	Glenohumeral Soft Tissue Injury and Instability
	52	Proximal Humerus Fractures
	53	Humeral Shaft Fractures
	54	Distal Humerus Fractures
	55	Upper Extremity Periprosthetic Fractures
	56	Elbow Dislocations, Fracture-Dislocations, and Terrible Triad Injuries
	57	Proximal Forearm Fractures: Olecranon, Monteggia, and Radial Head and Neck Fractures
	58	Radius and Ulna Shaft and Galleazzi Fractures
	59	Distal Radius and Ulna Fractures
	60	Carpal Fractures and Dislocations
	61	Metacarpal and Phalanx Fractures and Dislocations
LOWER EXTREMITY	SECTION	N EDITOR JOHN SCOLARO*
	62	Femoral Head Fractures and Fracture-Dislocations
	63	Femoral Neck Fractures
	64	Arthroplasty for Hip and Acetabular Fractures
	65	Peritrochanteric Hip Fractures
	66	Subtrochanteric Femur Fractures
	67	Atypical Femur Fractures
	68	Femoral Shaft Fractures
	69	Distal Femur Fractures
	70	Lower Extremity Periprosthetic Fractures
	71	Patellar Fractures and Dislocations and Extensor Mechanism Injuries
	72	Knee Dislocations
	73	Tibial Plateau Fractures and Fracture-Dislocations
	74	Tibia and Fibula Shaft Fractures
	75	Tibial Pilon Fractures
	76	Ankle Fractures and Fracture-Dislocations
	77	Talus Fracture and Fracture-Dislocations
	78	Calcaneus Fractures and Achilles Tendon Injuries
	79	Midfoot and Forefoot Fractures and Dislocations
SPINE, RIBS, PELVIS, AND	ACE SECTION	N EDITOR KELLY LEFAIVRE*
	80	Spine Trauma Principles
	81	Cervical Spine Fractures and Dislocations
	82	Thoracolumbar Spine Fractures and Dislocations
	83	Chest Wall Injuries
	84	Pelvic Ring Injuries and Spinopelvic Dissociation
	85	Acetabulum Fractures