

Certificate of Added Qualifications Examination in Orthopaedic Surgery

Disease and Disorder List

Benign and Malignant Bone

Tumors

- Osteochondroma
- Solitary (unicameral) bone cyst
- Enchondroma
- Osteoid osteoma
- Giant cell tumor
- Metastatic disease
 - Metastasis from other primary site
 - Metastasis from primary bone tumors
- Osteosarcoma
- Chondrosarcoma
- Fibrosarcoma
- Ewing sarcoma
- Paget disease
- Nonossifying fibroma

Fractures/Dislocations

- Management/healing
 - Management techniques
 - Closed reduction
 - Immobilization
 - Operative fixation
 - Rehabilitation
 - Healing complications
 - Avascular necrosis
 - Heterotopic ossification
 - Malunion
 - Nonunion
 - Open vs. closed injury
- Upper extremity
 - Fractures
 - Amputation injury
 - Clavicle
 - Distal radius
 - Elbow
 - Galeazzi

- Hand and wrist
- Humerus
- Monteggia
- Dislocations
 - Acromioclavicular
 - Elbow
 - Glenohumeral
 - Hand and wrist

Spine

- Fractures
 - Burst
 - Compression
 - Occult
 - Pathologic
 - Stable vs. unstable
- Dislocation/subluxation

Lower extremity

- Fractures
 - Amputation injury
 - Femur
 - Foot
 - Lauge-Hansen/AO classification
 - Maisonneuve
 - Patella
 - Pilon
 - Stress
 - Tibia and fibula
 - Tibial plateau
 - Tibial shaft
- Dislocations
 - Knee
 - Foot

Pelvis and hip

- Fractures
 - Acetabulum
 - Femoral neck
 - Intertrochanteric
 - Pubic rami

- Hip dislocation
- Pelvic fracture
 - Complications
 - Stable vs. unstable

Pathologic fractures

Infectious Disease

Osteomyelitis

- Acute
- Chronic

Soft-tissue infections

- Abscess
- Bite injuries
 - Cat/dog
 - Human
- Cellulitis
- Clostridial myonecrosis
- Community-acquired methicillin-resistant *Staphylococcus aureus* (MRSA)
- Felon
- Flexor suppurative tenosynovitis
- Necrotizing fasciitis
- Paronychia
- Prepatellar/olecranon bursitis
- Systemic inflammatory response syndrome

Diabetic infections

- Diabetic foot ulcer
- Diabetic skin infection
- Foot amputation
- Pressure ulcer

Septic joint

Multiple Trauma

Assessment

- Gunshot wounds
- Open fracture
- Primary and secondary surveys
- Shock
- Spinal cord syndromes

Complications

- Acute respiratory distress/fat emboli syndrome
- Compartment syndrome

- Complex regional pain syndrome
- Deep venous thrombosis
- Myositis ossificans
- Neurovascular injury
- Pressure ulcers
- Pulmonary embolism
- Rhabdomyolysis
- Wound management

Pediatric

Slipped capital femoral epiphysis

Legg-Calvé-Perthes disease

Developmental dysplasia of the hip

Clubfoot

Osgood-Schlatter disease

Fractures/complications

- Both-bone forearm fracture
- Distal radius
- Fractures related to child abuse
- Growth arrest
- Lateral condyle fracture
- Nursemaid's elbow
- Salter-Harris classification
- Supracondylar humerus fracture
- Tillaux fracture
- Toddler fracture
- Torus fracture
- Triplane fracture

Spine

Herniated disks

- Cervical
- Lumbar
- Radiculopathy
- Thoracic

Spinal stenosis

Degenerative joint disease

- Spondyloarthropathies
- Spondylosis

Scoliosis

- Cobb angle
- Congenital
- Degenerative
- Idiopathic

- Neuromuscular
- Musculoskeletal strain
- Cervical/lumbar
 - Vertebral sprain
- Spondylolisthesis/spondylolysis
- Cauda equina syndrome

Sprains and Soft-Tissue

Pathology

Shoulder disorders

- Adhesive capsulitis
- Labrum tear
- Rotator cuff tears
 - Full thickness vs. partial thickness
 - Impingement
 - Subscapularis
 - Supraspinatus
- Rotator cuff tendinitis
 - Calcific tendinitis

Hand disorders

- Degloving injury
- Dupuytren contracture
- Gamekeeper thumb
- High-pressure injection injury
- Mallet finger
- Nail bed injury
- Neurovascular injury
- Subungual hematoma
- Tendon injury
- Wound management

Knee disorders

- Ligamentous injury
 - Anterior & posterior cruciate
 - Medial & lateral collateral
- Meniscus tear
- Patellar dislocation
- Patellar tendon rupture/tendinitis
- Patellofemoral syndrome
- Quadriceps tendon rupture/tendinitis

Foot/ankle disorders

- Achilles tendon rupture/tendinitis
- Ankle sprain/dislocation

- Apophysitis
- Diabetic neuropathy
- Hallux valgus
- Hammer toe
- Interdigital neuroma
- Neurovascular injury
- Pes planus
- Plantar fasciitis
- Syndesmosis injury
- Tarsal coalition
- Tendon injury
- Turf toe
- Wound management

Neurologic disorders

- Brachial plexus injury
 - Erb palsy
 - Neurapraxia
- Peripheral neuropathies
 - Carpal tunnel
 - Cubital tunnel
 - Radial tunnel
 - Tarsal tunnel

Overuse syndromes

- Lower extremity including pelvis and hips
 - Femoroacetabular impingement
 - Iliotibial band syndrome
- Upper extremity
 - De Quervain tenosynovitis
 - Medial & lateral epicondylitis
 - Trigger finger

Bursitis

- Olecranon
- Pes anserine
- Prepatellar
- Subacromial
- Trochanteric

Benign cysts

- Ganglion
- Inclusion
- Popliteal (Baker)

Total Joint

Total joint arthroplasty

- Complications
- Hip
- Knee
- Shoulder

Revision surgery

- Aseptic loosening
- Failed arthroplasty
- Infection
- Prosthetic joint wear

The following conditions and/or treatments may be categorized under multiple headings in the content blueprint and may also be included on the Certificate of Added Qualifications Exam for Orthopaedic Surgery:

Degenerative Joint Disease

Acromioclavicular joint

Articular cartilage injuries

- Traumatic arthritis
- Osteochondritis dissecans

Crystalline arthropathy

- Calcium pyrophosphate deposition disease
- Gout

Glenohumeral

Hip

Knee

Osteoarthritis

Psoriatic arthritis

Rheumatoid arthritis

Preoperative and Postoperative Management

Inpatient

Outpatient