



Teaching program

Module 1

No.	Lecture	Lecturer	Signature
1.	Metabolic bone disease, Osteoporosis, Paget's disease, Osteoporosis.		
2	Hemophilic arthropathy, Endocrine disorders		
3	Neuromuscular disorders (Cerebral palsy, polio, myopathies)		
4	Osteonecrosis		
5	Bone and joint infections		
6	Infection control; aseptic techniques, sterilization, antimicrobial therapy, surgery in high risk patients DM, HIV, HCV		
7	Preoperative assessment and tourniquet, Thromboembolism and prophylaxis, Management of pulmonary embolism and acute respiratory distress syndrome		
8	Biomaterials in Orthopaedic surgery		
9	Principles of deformity correction		
10	Common functional regional Outcome measures		
11	General principles of diagnosis and management of bone tumors.		
12	Management of osseous bone tumors.		
13	Management of cartilaginous bone tumors.		
14	Management of soft tissue, and bone marrow tumors.		
15	Management of metastatic bone tumors		
16	Biology of fracture repair and healing, biology of soft tissue injury and healing, and biomechanics of fractures		
17	Evaluation and treatment of poly trauma patient, systemic response of body to major injuries, Pain management of trauma patient and post operative analgesia.		

18	Principle of internal, external fixation, and non operative treatment of trauma.		
19	Fracture complications, Compartment syndrome, Non union; evaluation and treatment & principles of enhancement of skeletal repair		
20	Classification system of fractures, and Evaluation of outcome of skeletal injury		
21	Fracture with soft tissue injuries and principle of soft tissue coverage		
22	Pathological fractures and osteoporosis fragility fracture		
23	Open fractures, and Gunshot wound with musculoskeletal injuries		
24	Principles of proximal femoral osteotomy, arthrodesis, pelvic osteotomies in adults		
25	Principles of primary total hip arthroplasty		
26	Complications following total hip arthroplasty		
27	Complex primary total hip replacement		
28	Evaluation of painful total hip and Principles of revision total hip arthroplasty		
29	Intra-capsular hip fractures, Hip dislocations.		
30	Intertrochanteric, sub-trochanteric, and femoral diaphyseal fractures		
31	Fracture sacrum, Pelvic ring disruption		
32	Acetabular fractures		
33	Pediatric hip and pelvic fractures		

Evaluation sheet:

Percentage of attendance:

At least 75% is required to enter the exam.

Module 2

No.	Lecture	Lecturer	Signature
1	Principles of meniscal injuries and management.		
2	Synovial disorders the knee.		
3	Cruciate ligament reconstruction.		
4	Postero-lateral corner and fibular collateral ligament reconstruction, and Medial collateral ligament reconstruction		
5	Deformities around the knee, High tibial osteotomies		
6	Patellofemoral dysfunction, and Osteochondritis dissecans.		
7	Principals of knee arthroscopy.		
8	Principals of total knee replacement.		
9	Evaluation of painful total knee replacement and principles of revision Total knee replacement, and periprosthetic fractures around the knee		
10	Principles of revision total knee replacement		
11	Distal femoral fractures, Tibial plateau , and tibial diaphyseal fractures		
12	Dislocation and soft tissue injuries around the knee		
13	Patellar fractures and extensor mechanism injuries		
14	Pediatric trauma around the knee		
15	Surgical, functional anatomy and surgical approaches of the foot and ankle, Biomechanics of the foot and ankle joints, and		
16	Function of the lower limb and foot in gait		
17	Degenerative, rheumatoid arthritis of the foot.		
18	Neuropathic arthropathy and Charcot ankle and foot.		
19	Ankle instability		
20	Hind foot disorders and heel pain, and nerve entrapment around the ankle		
21	Forefoot deformities; Hallux valgus, rigidus, lesser toe deformity, metatarsalgia		
22	Flatfoot, Cavus foot and residual congenital foot deformity		
23	Principals of ankle arthroplasty and ankle arthroscopy		
24	Pilon fracture, Malleolar fracture, ankle dislocation and soft tissue injuries around the ankle		
25	Fracture and dislocation foot.		
26	Pediatric Foot and ankle fractures		
27	Limping child		
28	DDH		
29	SCFE		

30	Perthes' disease		
31	Septic arthritis of the hip		
32	Pediatric foot I		
33	Pediatric foot II		
34	Angular deformities in lower limb, and coxa vara		
35	Congenital pseudoarthrosis of the tibia		
36	Skeletal dysplasia		
37	Neuromuscular disorders (CP , poliomyelitis ,myelomeningocele)		

Evaluation sheet:

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Module 3

No.	Lecture	Lecturer	Signature
1.	Rotator cuff disease and tendon ruptures.		
2	Frozen shoulder and Adhesive capsulitis.		
3	Gleno-humeral instability.		
4	Gleno- humeral arthritis Osteoarthritis and rheumatoid arthritis of the shoulder and elbow.		
5	Acromioclavicular joint disorders, and Soft tissue elbow disorder: lateral and medial epicondylitis, stiff elbow.		
6	Principal of shoulder, elbow arthroscopy.		
7	Nerve entrapment and compression neuropathies in the upper limb		
8	Radial, median, and ulnar nerve repair, and Brachial plexus injuries; pediatric and traumatic.		
9	Principals of total elbow and shoulder arthroplasty.		
10	Trauma around the elbow.		
11	Fractures of the humeral shaft and proximal humeral fractures glenohumeral dislocation, clavicle, and acromioclavicular disorder.		
12	Pediatric shoulder and elbow fractures.		
13	Acute and chronic infections of the hand.		
14	Principles of treatment of flexor and extensor tendons of the fingers.		
15	Dupuytren's contractures, Thumb basal joint arthritis and Stiff finger joints.		
16	Principal of wrist arthroscopy and arthroplasty.		
17	Management osteoarthritis and rheumatoid arthritis of the hand; Soft tissue reconstruction, joint fusion, interposition and excision arthroplasty		
18	Principal of tendon transfer for reconstruction of median, ulnar and radial nerve palsy, Cerebral palsy hand.		
19	Congenital disorders of the hand and upper limb in children		
20	Treatment of carpal bones, Metacarpal and phalangeal fractures		
21	Carpal instability, Distal radio-ulnar joint instability.		
22	Fractures of the distal radius, forearm fractures		
23	Functional spine unit.		

24	Surgical approaches of the spine		
25	Spine instability; Spondylolysis and spondylolithesis.		
26	Spinal imaging with radiology		
27	Indications and surgical management of acute prolapse of the cervical and lumbar disc		
28	Management of spinal infections		
29	Spinal canal stenosis		
30	Spine deformities		
31	Thoracolumbar spine injuries,		
32	Cervical spine injuries, Complications in management of spinal trauma patient , Pediatric spine fractures		

Evaluation sheet:

Percentage of attendance:

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Module 4

Lecture	Lecturer	Signature
<ol style="list-style-type: none">1. Non united fracture neck femur in children2. Femor-acetabular impingement3. Principles of hip arthroscopy in children4. Limb length discrepancy5. Congenital femoral deficiency6. Fibular hemimelia7. Tibial hemimelia8. Osteo-integration9. Recent trends in management of segmental skeletal defects10. Revision of total knee arthroplasty11. Revision of Failed ACL reconstruction12. Management of osteochondral defects13. Revision of total shoulder arthroplasty14. Reversed shoulder arthroplasty15. Antrolateral impingement of the ankle16. Management of osteochondral lesion of the talus17. Achilles tendon disorder18. Peroneal tendons disorder19. Failed back syndrome20. Upper cervical injuries21. Open pelvic fractures22. Failed trochantric fracture fixation23. Periprosthetic fractures24. Management of bone defects in total hip arthroplasty25. Fixation of fracture in osteoporotic bone		

Evaluation sheet:

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