



UG Curriculum

S. no	Must know	Should know	May know
Cognitive			
1.	Apply knowledge from anatomy and patho-physiology to understand various musculoskeletal problems	Normal gait, abnormal gait patterns	Deformities of spine: Scoliosis, Spondylolisthesis
2.	Learn the art of history taking	DDH, Perthes disease	Sports injuries of Shoulder, Knee and ankle
3.	Identify orthopaedic conditions requiring urgent intervention or attention	Low back pain and disorders of IVD	Learn and participate in orthopaedic research
4.	Identification of common infections and inflammatory conditions.	Cerebral palsy and Poliomyelitis	
5.	Identification of limb trauma and treatment.	Arthritidis	
6.	Interpret musculoskeletal x-rays of common Orthopaedic conditions	Spine and Pelvis trauma	
7.	Pediatric Orthopaedics: CTEV, genu varum & valgus	Common disorders of hand	
8.	Approach to bone tumors	Principles of Advanced Trauma Life support	
9.	Orthotics, Prosthetics and Orthopaedic rehabilitation		
Skills			
1.	Musculoskeletal extremity examination for the major anatomic areas – shoulder, elbow, wrist, hip, knee, and ankle	Musculoskeletal examination for the major anatomic areas- spine	
2.	Splinting of common fractures and soft tissue injuries (clavicle, humerus, pediatric forearm, colles fracture and ankle sprains) and common tractions	Manipulative reduction of common fractures and dislocations	Aseptic technique of aspiration and injections into shoulder and knee joint
3.	Intravenous catheter, Urinary catheter insertion	Suturing skills	Periarticular and soft tissue infiltrations

4.	Hand wash techniques		
5.	Gloving techniques		
6.	Basic life support		
<i>Affective</i>			
1.	Effective patient Communication		
2.	Professional etiquette		