Contents

Competency Table

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Chapter Number
OR1.1	Describe and discuss the principles of pre-hospital care and casuality management of a trauma victim including principles of triage	K/S/ A/C	K/ KH	Y	Lecture with video, Small group discussion	Written/Viva voce/ OSCE/Simulation	3, 6
OR1.2	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of shock	K/S	K/ KH	Y	Lecture	Written/Viva voce/ OSCE/Simulation	7
OR1.5	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of dislocation of major joints, shoulder, knee, hip	K	K/ KH	Y	Lecture, Small group discussion, Bed side clinic	Written/Viva voce/ OSCE/Simulation	8, 13, 18
OR2.1	Describe and discuss the mechanism of injury, clinical features, investigations and plan management of fracture of clavicle	K/S	KH/ SH	Y	Lecture, Small group discussion, Bed side clinic	Written/Viva voce/ OSCE	13
OR2.2	Describe and discuss the mechanism of injury, clinical features, investigations and plan management of fractures of proximal humerus	K	K/ KH/ SH	Y	Lecture, Small group discussion, Bed side clinic	Written/Viva voce/ OSCE	13
OR2.3	Select, prescribe and communicate appropriate medications for relief of joint pain	K	KH/ SH	Y	Lecture, Small group discussion, Bed side clinic	Written/Viva voce/ OSCE	12, 34
OR2.4	Describe and discuss the mechanism of injury, clinical features, investigations and principles of management of fracture of shaft of humerus and intercondylar fracture humerus with emphasis on neurovascular deficit	K/S	K/ KH	Y	Lecture, Small group discussion, Bed side clinic	Written/Viva voce/ OSCE	13
OR2.5	Describe and discuss the aetiopathogenesis, clinical features, mechanism of injury, investigation and principles of management of fractures of both bones forearm and Galeazzi and Monteggia injury	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	15
OR2.6	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of fractures of distal radius	K	KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	15
OR2.7	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of pelvic injuries with emphasis on hemodynamic instability	K	K/ KH/ SH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	17

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OR2.8	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of spine injuries with emphasis on mobilisation of the patient	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	31, 32
OR2.9	Describe and discuss the mechanism of injury, clinical features, investigations and principle of management of acetabular fracture	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	17
OR2.10	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of fractures of proximal femur	K/S/ A/C	KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	18
OR2.11	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of: a. Fracture patella b. Fracture distal femur c. Fracture proximal tibia with special focus on neurovascular injury and compartment syndrome	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	20
OR2.12	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of fracture shaft of femur in all age groups and the recognition and management of fat embolism as a complication	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	19
OR2.13	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of: a. Fracture both bones leg b. Calcaneus c. Small bones of foot	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	21
OR2.14	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of ankle fractures	K/S/C	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	21
OR2.15	Plan and interpret the investigations to diagnose complications of fractures like malunion, non-union, infection, compartmental syndrome	K/S	SH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	7
OR2.16	Describe and discuss the mechanism of injury, clinical features, investigations and principles of management of open fractures with focus on secondary infection prevention and management	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	3

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Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Chapter Number
OR3.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of bone and joint infections: a. Acute osteomyelitis b. Subacute osteomyelitis c. Acute suppurative arthritis d. Septic arthritis and HIV infection e. Spirochaetal infection f. Skeletal tuberculosis	K/S	K/ KH/ SH	Y	Lecture, Small group discussion, Video assisted lecture	Written/Viva voce/ OSCE	22
OR4.1	Describe and discuss the clinical features, investigation and principles of management of tuberculosis affecting major joints (Hip, Knee) including cold abscess and caries spine	K	K/ KH	Y	Lecture, Small group discussion, Case discussion	Written/Viva voce/ OSCE	23
OR5.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of various inflammatory disorder of joints	K	K/ KH	Y	Lecture, Small group discussion, Bedside clinic	Written/Viva voce/ OSCE	34
OR6.1	Describe and discuss the clinical features, investigations and principles of management of degenerative condition of spine (Cervical spondylosis, Lumbar spondylosis, PID)	K	K/ KH	Y	Lecture, Small group discussion, Case discussion	Written/Viva voce/ OSCE	35
OR7.1	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of metabolic bone disorders in particular osteoporosis, osteomalacia, rickets, Paget's disease	K	K/ KH	Y	Lecture, Small group discussion, Case discussion	Written/Viva voce/ OSCE	37
OR8.1	Describe and discuss the aetiopathogenesis, clinical features, assessment and principles of management a patient with post polio residual paralysis	K	K/ KH	Y	Lecture, Small group discussion, Case discussion	Written/Viva voce/ OSCE	27
OR9.1	Describe and discuss the aetiopathogenesis, clinical features, assessment and principles of management of cerebral palsy patient	K	K/ KH	Y	Lecture, Small group discussion	Written/Viva voce/ OSCE	27
OR10.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of benign and malignant bone tumours and pathological fractures	K	K/ KH	Y	Lecture, Small group discussion, Video assisted interactive lecture	Written/Viva voce/ OSCE	28
OR11.1	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries in diseases like foot drop, wrist drop, claw hand, palsies of radial, ulnar, median, lateral popliteal and sciatic nerves	K	K/H	Y	Lecture, Small group discussion, case discussion	Written/Viva voce/ OSCE	10

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Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Chapter Number
OR12.1	Describe and discuss the clinical features, investigations and principles of management of congenital and acquired malformations and deformities of: a. Limbs and spine - Scoliosis and spinal bifida b. Congenital dislocation of hip,torticollis, c. Congenital talipes equino varus	K	KH	Y	Lecture, Small group discussion	Written/Viva voce/ OSCE	25, 26, 33