

R.G.U.H.S . U.G. Study Materials

I.Traumatology :- Term-6th & 7th

Injuries of Bone and Joint Upper Extremity

Fracture, general types, healing of fractures, principles and management, diagnosis, methods of reductions, immobilization, complications of fractures, management of open fractures, pathological fractures. Injuries of shoulder: Arm, forearm, fracture clavicle, injuries of acromio clavicular joints. Fracture scapula, upper end of humerus, dislocation of shoulder, acute and Recurrent, fracture shaft humerus, fractures around the elbow, radius, ulna. Monteggia fracture, dislocation, injuries around the wrist. Fracture scaphoid bone, dislocation of lunate. Injuries of the Hand: Incidence, closed injury, fracture, metacarpal, Bennett fracture & dislocation, open injuries, tidy injuries, tendon injuries POP slab application.

Injuries- Lower Extremity:

Dislocation of hip, fracture neck of femur, trochantric fracture, fracture shaft femur, injuries of knee, fracture tibia, fracture dislocation ankle, fracture calcaneum, Traction splintage, below knee slab and above knee slab Injuries of the Spine: __Incidence, mechanism, types, clinical features, cord injury, traumatic paraplegia, Nerve Injury: Anatomy of a Peripheral nerve, pathology, classification, diagnosis, management, radial, Ulnar, Median, Sciatic, lateral popliteal. Vascular Injuries: Types, sub fascial compression, Brachial artery injury, popliteal artery injury, tibial artery injury.

Amputations: General indications, levels, technique above knee amputation, below knee stump, symes amputation, upper limb amputation, prosthesis.

Cold Orthopaedics: Term-8th & 9th

Deformities: General, congenital, acquired, principles, of management, splints, club foot, CDM, congenital skeletal limb deficiencies,

II. Regional Conditions:

Neck- torticollis- Inter Vertebral disc prolapse. Cervical rib, shoulder, elbow, peri-arthritis, painful arc syndrome, tennis elbow, cubitus varus, valgus. Wrist and Hand: Wrist drop, claw hand, ganglion, Dupuytren's contracture, DeQuervain's disease, trigger thumb, carpal tunnel syndrome Spine: Backache . examination, spondylolisthesis Hip: Clinical examination, Perthes disease Knee: Genu valgum, varum, recurvatum, recurrent dislocation of patella semi membranous, bursa. Foot: Planter fasciitis, flat foot, foot drop.

III. Neuro Muscular Disorders:

Cerebral Palsy: Clinical features, Management Anterior poliomyelitis: pathology; clinical features management , surgery. Leprosy: Pathology- Orthopedic problems-claw hand, foot drop- wrist drop- Rehabilitation. Infections: pyogenic Osteomyelitis- acute, chronic, subacute-brodie's – mycotic infection-syphilitic lesions. Metabolic disorders: Rickets- Osteomalacia- Osteopetrosis, scurvy-gout Miscellaneous: Paget disease-bone cyst- Medullary deformities. Diseases of joints: clinical examination- synovial fluid: normal, septic arthritis- Rheumatic and Rheumatoid diseases, Haemophilic arthritis.

IV. Bone and Joint Tuberculosis:

Aetio pathogenesis- clinical features, management, tuberculosis of spine, Pott's paraplegia, tuberculosis of hip, knee and other joints. Tumours: Benign and malignant bone tumours Benign: Osteochondroma, enchondroma Malignant: Osteosarcoma, Osteoclastoma, Ewing's tumours, multiple myeloma, secondaries.