

Contents

Foreword by Dr K Narayanasamy

vii

Preface

ix

1. Skeletal Trauma, Polytrauma

OR 1.1	Describe and Discuss the Principles of Pre-hospital Care and Casualty Management of a Trauma Victim Including Principles of Triage <i>Shwetha Sairam, Krishnamurthy Sairam, S Vetrivel Chezian</i>	01
OR 1.2	Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigations, and Principles of Management of Shock <i>S Vetrivel Chezian</i>	21
OR 1.3	Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigations, and Principles of Management of Soft Tissue Injuries <i>S Vetrivel Chezian</i>	25
OR 1.4	Describe and Discuss the Principles of Management of Soft Tissue Injuries <i>S Vetrivel Chezian</i>	
OR 1.5	Describe and Discuss the Aetiopathogenesis, Clinical Features Investigations, and Principles of Management of Dislocation of Major Joints, Shoulder, Knee, Hip <i>S Vetrivel Chezian, S Marimuthu</i>	33
OR 1.6	Participate as a Member in the Team for Closed Reduction of Shoulder Dislocation/Hip Dislocation/Knee Dislocation <i>S Vetrivel Chezian, S Marimuthu</i>	

2. Fracture

OR 2.1	Describe and Discuss the Mechanism of Injury, Clinical Features, Investigations and Plan Management of Fracture of Clavicle <i>S Vetrivel Chezian</i>	66
OR 2.2	Describe and Discuss the Mechanism of Injury, Clinical Features, Investigations and Plan Management of Fractures of Proximal Humerus <i>S Vetrivel Chezian</i>	70
OR 2.3	Select, Prescribe and Communicate Appropriate Medications for Relief of Joint Pain <i>R Mani</i>	
IM 7.21	Select, Prescribe and Communicate Appropriate Medications for Relief of Joint Pain <i>R Mani</i>	79
OR 2.4	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 <i>S Vetrivel Chezian, MS Mugundhan</i>	86
OR 2.5	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 <i>BK Dinakar Rai, S Vetrivel Chezian</i>	101
OR 2.6	Describe and Discuss the Aetiopathogenesis, Mechanism of Injury, Clinical Features, Investigations and Principles of Management of Fractures of Distal Radius <i>S Vetrivel Chezian, M Kannan</i>	117
OR 2.7	Describe and Discuss the Aetiopathogenesis, Mechanism of Injury, Clinical Features, Investigations and Principles of Management of Pelvic Injuries with Emphasis on Hemodynamic Instability <i>S Vetrivel Chezian, DR Ramprasath</i>	127
OR 2.8	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 <i>T Karikalan, S Vetrivel Chezian</i>	133

OR 2.9	Describe and Discuss the Mechanism of Injury, Clinical Features, Investigations and Principle of Management of Acetabular Fracture <i>S Vetrivel Chezian, DR Ramprasath</i>	143
OR 2.10	Describe and Discuss the Aetiopathogenesis, Mechanism of Injury, Clinical Features, Investigations and Principles of Management of Fractures of Proximal Femur <i>N Manikandan</i>	151
AN 17.2	Describe Anatomical Basis of Complications of Fracture Neck of Femur <i>N Manikandan</i>	
OR 2.11	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 <i>S Vetrivel Chezian, MS Mugundhan</i>	165
OR 2.12	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 <i>S Vetrivel Chezian, MS Mugundhan</i>	178
OR 2.13	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 <i>V Thirunarayanan</i>	194
OR 2.14	Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigation and Principles of Management of Ankle Fractures <i>S Vetrivel Chezian, P Kosalaraman</i>	210
OR 2.15	Plan and Interpret the Investigations to Diagnose Complications of Fractures Like Malunion, Nonunion, Infection, Compartmental Syndrome <i>S Vetrivel Chezian</i>	219
OR 2.16	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 <i>R Balasubramaniam, S Vetrivel Chezian</i>	257

3. Musculoskeletal Infection

OR 3.1	Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigations and Principles of Management of Bone and Joint Infections a) Acute Osteomyelitis, B) Subacute Osteomyelitis, c) Acutesuppurative Arthritis, D) Septic Arthritis and Hiv Infection, e) Spirochetal Infection, F) Skeletal Tuberculosis <i>N Thanappan, S Vetrivel Chezian</i>	266
OR 3.2	Participate as a Member in Team for Aspiration of Joints Under Supervision	291
IM 7.17	Enumerate the Indications for Arthrocentesis <i>S Vetrivel Chezian, MS Mugundhan</i>	
OR 3.3	Participate as a Member in Team for Procedures Like Drainage of Abscess, Sequestrectomy/saucerisation and Arthrotomy <i>S Vetrivel Chezian</i>	307

4. Skeletal Tuberculosis

OR 4.1	Describe and Discuss the Clinical Features, Investigation and Principles of Management of Tuberculosis Affecting Major Joints (Hip, Knee) Including Cold Abscess and Caries Spine <i>S Vetrivel Chezian, C Kamalanathan</i>	317
--------	--	-----

5. Rheumatoid Arthritis and Associated Inflammatory Disorders

OR 5.1	Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigations and Principles of Management of Various Inflammatory Disorder of Joints <i>P Sankaralingam</i>	344
--------	---	-----

6. Degenerative Disorders

OR 6.1	Describe and Discuss the Clinical Features, Investigations and Principles of Management of Degenerative Condition of Spine (cervical Spondylosis, Lumbar Spondylosis, Pid) <i>N Sekar, S Vetrivel Chezian</i>	383
--------	--	-----

7. Metabolic Bone Disorders

- OR 7.1 Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigation and Principles of Management of Metabolic Bone Disorders in Particular Osteoporosis, Osteomalacia, Rickets, paget's Disease 417
R Samuel Gnanaraj, S Vetrivel Chezian

8. Poliomyelitis

- OR 8.1 Describe and Discuss the Aetiopathogenesis, Clinical Features, Assessment and Principles of Management in a Patient with Post-polio Residual Paralysis 432
P Thirunavukkarasu

9. Cerebral Palsy

- OR 9.1 Describe and Discuss the Aetiopathogenesis, Clinical Features, Assessment and Principles of Management of Cerebral Palsy Patient 439
S Vetrivel Chezian

10. Bone Tumors

- OR 10.1 Describe and Discuss the Aetiopathogenesis, Clinical Features, Investigations and Principles of Management of Benign and Malignant Bone Tumours and Pathological Fractures 446
S Veerakumar
- PA 33.2 Classify and Describe the Etiology, Pathogenesis, Manifestations, Radiologic and Morphologic Features and Complications and Metastases of Bone Tumors
S Veerakumar

11. Peripheral Nerve Injuries

- OR 11.1 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 475
S Vetrivel Chezian
- AN 11.4 Describe the Anatomical Basis of Saturday Night Paralysis
S Vetrivel Chezian

12. Congenital Lesions

- OR 12.1 Describe and Discuss the Clinical Features, Investigations and Principles of Management of Congenital and Acquired Malformations and Deformities of: 542
 a) Limbs and Spine-Scoliosis and Spinal Bifida
 b) Congenital Dislocation of Hip, Torticollis
 c) Congenital Talipes Equinovarus
S Vetrivel Chezian, M Sureshbabu

- Index* 577