

**Vydehi Institute of Medical Sciences and Research Center
Department of Orthopaedics
MBBS PHASE 3, PART 2 (4th MBBS) 2024**

Lectures

Thursdays; 12.15 PM to 1.15PM

Date	Topic	Staff
28.03.2024	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of pelvic injuries with emphasis on hemodynamic instability	Dr. Aravind JD
04.04.2024	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of spine injuries with emphasis on mobilization of the patient	Dr. Raviraj T
11.04.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of bone and joint infections. a) Acute Osteomyelitis. b) Subacute osteomyelitis.	Dr. Shahid
18.04.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of bone and joint infections c) Acute Suppurative arthritis. d) Septic arthritis & HIV infection	Dr. Girish M
25.04.2024	Describe and discuss the clinical features, investigation and principles of management of tuberculosis affecting major joints (hip, knee).	Dr. Srujan VM
02.05.2024	Describe and discuss the clinical features, investigation and principles of management of tuberculosis of spine including cold abscess.	Dr. Amarnath D
09.05.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of various inflammatory disorders of joints.	Dr. Bharath
16.05.2024	Describe and discuss the clinical features, investigations and principles of management of degenerative condition of spine (cervical Spondylosis, Lumbar Spondylosis, PID)	Dr. Aravind JD
23.05.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of metabolic bone disorders in particular osteoporosis, osteomalacia, rickets, Paget's disease.	Dr. Raviraj T
30.05.2024	Describe and discuss the aetiopathogenesis, clinical features, assessment and principles of managing a patient with Post Polio Residual Paralysis.	Dr. Shahid
06.06.2024	Describe and discuss the aetiopathogenesis, clinical features, assessment and principles of management of cerebral palsy patient.	Dr. Girish M
13.06.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of benign bone tumors.	Dr. Srujan VM
20.06.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of malignant bone tumors and pathological fractures.	Dr. Amarnath D
27.06.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries of Upper Limb Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries of Lower Limb	Dr. Bharath

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Small Group Discussions (SGD)

Fridays; 2.00 PM to 4.00 PM

Date	Topic	Staff
29.03.2024	Pelvic Fractures: Discuss the investigations in pelvic fractures. Describe the principles of management of pelvic fractures. How will you assess and manage a patient with pelvic fracture with haemodynamic instability.	Dr. Varun GBS Dr. Gurucharan S Dr. Somsunder Dr. Karthik Vyasa
05.04.2024	Spine Injuries: Discuss the principles of management of spine fractures. Discuss the surgical management of spine fracture with spinal cord injury. Discuss how will you rehabilitate quadriplegic and paraplegic patients following spine fractures.	Dr. Hiranya Kumar S Dr. Vamshi N Dr. Shivraj N Dr. Pradeep BA
12.04.2024	Osteomyelitis and Septic Arthritis Discuss Indications, principles, techniques and complications for aspiration of joints. Discuss Indications, principles, techniques and complications for procedure like drainage of abscess, sequestrectomy/ saucerization and arthrotomy.	Dr. Vishwanath MS Dr. Ambareesh P Dr. Supreeth DR Dr. Shashank S
19.04.2024	Tuberculosis: Discuss the general principles of management of bone and joint tuberculosis List the locations where cold abscess are seen. Discuss the mechanism of action, dose, regimen and side effects of anti-tubercular drugs. Discuss psoas abscess and its management.	Dr. Varun GBS Dr. Gurucharan S Dr. Somsunder Dr. Karthik Vyasa
26.04.2024	Inflammatory Arthritis: Define polyarthritis. Discuss Causes Discuss the etiopathogenesis, clinical features and Management investigations of rheumatoid arthritis.- Articular and Extraarticular Manifestaion Enumerate and discuss various causes of seronegative arthritis, with investigations and management.	Dr. Hiranya Kumar S Dr. Vamshi N Dr. Shivraj N Dr. Pradeep BA
03.05.2024	Metabolic Disorders: Discuss the etiopathogenesis, clinical features, investigations and management of Rickets, Osteomalacia and Osteroporosis	Dr. Vishwanath MS Dr. Ambareesh P Dr. Supreeth DR Dr. Shashank S
10.05.2024	Bone Tumors: Discuss aetiopathogenesis, clinical features, investigations and principles of management of benign and malignant bone tumors and pathological fractures.	Dr. Varun GBS Dr. Gurucharan S Dr. Somsunder Dr. Karthik Vyasa
17.05.2024	Peripheral Nerve Injuries: Discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries of Radial, Ulnar, Median, Lateral Popliteal and Sciatic Nerves.	Dr. Hiranya Kumar S Dr. Vamshi N Dr. Shivraj N Dr. Pradeep BA

VYDEHI INSTITUTE OF MEDICAL SCIENCE AND RESEARCH CENTRE

DEPARTMENT OF ORTHOPEDICS

3RD MBBS PHASE 3 (PART 1) – RS3

Roll no. 1, 2, 3

LECTURES

FRIDAY

02.00PM TO 03.00 PM

odd date

SL NO	DATE/DAY	TOPICS	FACULTY
1	08.03.2024	Principles of pre-hospital care and Causality management of a trauma victim including principles of triage.	Dr. Pradeep BA
2	15.03.2024	Aetiopathogenesis, clinical features, investigations, and principles of management of shock	Dr. Supreeth DR
3	22.03.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of soft tissue injuries	Dr. Karthik Vyas
4	29.03.2024	Dislocation of major joints, shoulder, knee ,hip	Dr. Shivraj
5	05.04.2024	Open fractures with focus on secondary infection prevention and management	Dr Girish
6	12.04.2024	Complications of fractures - malunion, non-union, infection, compartment syndrome	Dr Vamshi
7	19.04.2024	Fracture shaft of femur in all age groups (+fat embolism syndrome)	Dr Shashank
8	26.04.2024	Fracture of shaft of humerus and supracondylar fracture humerus (+neurovascular deficit)	Dr Amarnath
9	03.05.2024	Proximal femur fractures	Dr Vamshi
10	10.05.2024	(a)Fracture patella (b) Fracture distal femur (c) Fracture proximal tibia (+ neurovascular injury + compartment syndrome)	Dr Ambreesh
11	17.05.2024	Galeazzi and Monteggia fractures	Dr Somasundaram
12	24.05.2024	Distal radius fractures	Dr Raviraj
13	31.05.2024	Clavicle, proximal humerus fractures	Dr Pradeep B A
14	07.06.2024	a) Fracture both bones leg b) Calcaneus fracture c) Small bones of foot	Dr Shashank
15	14.06.2024	Ankle fractures	Dr Gurucharan S

Dr VAMSHI, Dr SUPREETH D R
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**VYDEHI INSTITUTE OF MEDICAL SCIENCE AND RESEARCH CENTRE
DEPARTMENT OF ORTHOPEDICS**

(3RD MBBS) PHASE 3 (PART 1) - RS4 FRIDAY SMALL GROUP DISCUSSION(SGD)

2.00PM TO 4.00PM

SL NO	DATE/DAY	TOPICS	FACULTY
1	08.03.2024	Principles of pre-hospital care and Causality management of a trauma victim including principles of triage	Dr. Hiranya Kumar S Dr. Ajith Dr. Shivraj N Dr. Pradeep BA
2	15.03.2024	Select, prescribe and communicate appropriate medications for relief of joint pain	Dr. Vishwanath MS Dr. Ambareesh P Dr. Rajaneesh B Dr. Supreeth DR
3	22.03.2024	Aetiopathogenesis, clinical features, investigations, and principles of management of shock Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of soft tissue injuries	Dr. Varun GBS Dr. Gurucharan S Dr. Somsunder Dr. Karthik Vyas
4	29.03.2024	Dislocation of major joints, shoulder, knee, hip+ Participate as a member in the team for closed reduction of shoulder dislocation /hip dislocation /knee dislocation	Dr. Hiranya Kumar S Dr. Ajith Dr. Shivraj N Dr. Pradeep BA
5	05.04.2024	Galeazzi and Monteggia fractures + Distal radius fracture	Dr. Vishwanath MS Dr. Ambareesh P Dr. Rajaneesh B Dr. Supreeth DR
6	12.04.2024	Complications of fractures - malunion, non-union, infection, compartment syndrome +Open fractures with focus on secondary infection prevention and management	Dr. Varun GBS Dr. Gurucharan S Dr. Somsunder Dr. Karthik Vyas
7	19.04.2024	Fracture shaft of femur in all age groups (+fat embolism syndrome)	Dr. Hiranya Kumar S Dr. Ajith Dr. Shivraj N Dr. Pradeep BA
8	26.04.2024	Fracture of shaft of humerus and supracondylar fracture humerus with emphasis on neurovascular deficit	Dr. Vishwanath MS Dr. Ambareesh P Dr. Rajaneesh B Dr. Supreeth DR
9	03.05.2024	Counselling Skills Prognosis, obtain consent, referral to higher centre	Dr. Varun GBS Dr. Gurucharan S Dr. Somsunder Dr. Karthik Vyas
10	10.05.2024	Proximal femur fractures (a)Fracture patella (b) Fracture distal femur (c) Fracture proximal tibia (+ neurovascular injury + compartment syndrome)	Dr. Hiranya Kumar S Dr. Ajith Dr. Shivraj N Dr. Pradeep BA

FORMATIVE ASSESSMENT AND FEEDBACK IS MANDATORY AFTER EVERY SGD



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VYDEHI INSTITUTE OF MEDICAL SCIENCE AND RESEARCH CENTRE
DEPARTMENT OF ORTHOPEDICS
(3RD MBBS) PHASE 3 (PART 1) -RS4 FRIDAY LECTURES **12.15 TO 1.15PM**

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2	15.03.2024	Aetiopathogenesis, clinical features, investigations, and principles of management of shock	Dr. Supreeth DR
3	22.03.2024	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of soft tissue injuries	Dr. Karthik Vyas
4	29.03.2024	Dislocation of major joints, shoulder, knee ,hip	Dr. VamshiKrishna Chand N
5	05.04.2024	Open fractures with focus on secondary infection prevention and management	Dr Shashank
6	12.04.2024	Complications of fractures - malunion, non-union, infection, compartment syndrome	Dr Soma sundaram
7	19.04.2024	Fracture shaft of femur in all age groups (+fat embolism syndrome)	Dr Shivraj
8	26.04.2024	Fracture of shaft of humerus and supracondylar fracture humerus (+neurovascular deficit)	Dr Ambareesh
9	03.05.2024	Proximal femur fractures	Dr Varun GBS
10	10.05.2024	(a)Fracture patella (b) Fracture distal femur (c) Fracture proximal tibia (+ neurovascular injury + compartment syndrome)	Dr Hiranya Kumar S
11	17.05.2024	Galeazzi and Monteggia fractures	Dr Vishwanath M S
12	24.05.2024	Distal radius fractures	Dr Gurucharan S
13	31.05.2024	Clavicle, proximal humerus fractures	Dr Pradeep B A
14	07.06.2024	a) Fracture both bones leg b) Calcaneus fracture c) Small bones of foot	Dr Shashank
15	14.06.2024	Ankle fractures	Dr Karthik Vyas

FORMATIVE ASSESSMENT AND FEEDBACK IS MANDATORY AFTER EVERY LECTURE


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VYDEHI INSTITUTE OF MEDICAL SCIENCE AND RESEARCH CENTRE


DEPARTMENT OF ORTHOPEDICS

(3RD MBBS) PHASE 3 (PART 1) - RS4 SELF DIRECTED LEARNING (SDL)

4.00 TO 5.00PM

SL NO	DATE/DAY	TOPICS	
1	08.03.2024	Principles of pre-hospital care and Causality management of a trauma victim including principles of triage. + Describe and demonstrate process of transfer, applications of collar restraints while maintaining airway and prevention of secondary injury in a mannequin/model.	Dr Amarnath
2	15.03.2024	Demonstrate the correct use of crutches in ambulation and postures to correct contractures and deformities. (PMR)	Dr Girish
3	22.03.2024	Identify the correct prosthesis for common amputations. (PMR)	Dr Raviraj
4	29.03.2024	Principles of management of dislocation of major joints, shoulder, knee, hip.	Dr Girish
5	07.06.2024	Complications of fractures - malunion, non-union, infection, compartment syndrome	Dr Amarnath

FORMATIVE ASSESSMENT AND FEEDBACK IS MANDATORY AFTER EVERY SDL


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Vydehi Institute of Medical Sciences and Research Center
Department of Orthopaedics
(4th MBBS) RS3 - MBBS 9th term

Lectures

Friday: 03.00 PM to 04.00PM

Orthopaedic Seminar hall

odd Batch

Sl no	Date	Topic	Staff
1	19/1/2024	Aetiopathogenesis, clinical features, Investigations, principles of management of malignant bone tumours – Adamantioma, Malignant fibrous histiocytoma	Dr Srujan
2	26/1/2024	Holiday	
3	2/2/2024	Dislocation of major joints, shoulder, knee, hip Fracture with eponyms	Dr Amarnath
4	9/2/2024	Types of Fractures, classification, complications of fractures (, infection, compartment syndromes, fat embolism, CRPS, Myositis ossificans etc),	Dr Shahid
5	16/2/2024	Anatomy of bone, Types of fracture healing, stages of healing, Factors affecting fracture healing (complications of fractures - Non union, malunion)	Dr Shashank
6	23/2/2024	AO concepts of fracture treatment, Functional bracing, Ilizarov's technique	Dr Hiranya kumar S
5	01/3/2024	Fractures in children – relevant anatomy, Growth of long bone, SH classification, management Pulled elbow	Dr Aravind J D
6	08/3/2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of bone and joint infections. a) Acute Osteomyelitis. b) Subacute osteomyelitis. c) Septic arthritis & HIV infection d) chronic osteomyelitis	Dr Karthik M N
7	15/3/2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries of Upper Limb	Dr Vishwanath M S
8	22/3/2024	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries of Lower limb	Dr Varun GBS
9	29/3/2024	Arthroscopic surgery – indications, advantages, procedure, limitations Joint replacement surgery- hemiarthroplasty hip, total joint arthroplasty hip&knee, partial knee replacement	Dr Supreeth D R
10	5/4/2024	Injuries around the shoulder – anatomy, clavicle, scapula, humerus- proximal & shaft	Dr Shivraj
11	12/4/2024	Injuries around elbow – anatomy, supracondylar fracture of humerus, intercondylar, lateral condyle, medial condyle, olecranon, radial head & neck, capitulum	Dr Girish

VENUE → SEMINAR ROOM


Vydehi Institute of Medical Sciences and Research Center

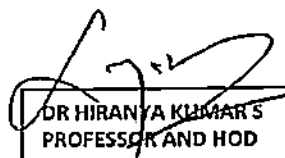
Department of Orthopaedics

(4th MBBS) RS3 - MBBS 9th term

TIMING- 3pm- 4pm

12	19/4/2024	Injuries of forearm and wrist – anatomy, galeazzi, monteggia, both bone, colles', smith's, barton's, scaphoid, lunate	Dr Kathik vyasa
13	26/4/2024	Hand injuries- Bennett's, rolando's, metacarpal, phalanges, Amputation of fingers, tendon injuries, crush injuries of hand	Dr Vamshi
14	08/5/2024 3	Injuries around Hip – neck of femur, intertrochanteric fracture	Dr Somasundaram
15	10/5/2024	Fracture subtrochanteric, shaft of femur – all ages, pathoanatomy, management	Dr Pradeep
14	17/5/2024	Injuries around knee- anatomy, mechanisms, condylar fracture, patella , tibial plateau	Dr Shahid
15	24/5/2024	Injuries to leg, ankle and foot- anatomy, Fractures of shaft of tibia, fibula, ankle injuries, calcaneum, talus, other tarsal bones, metatarsal, phalanges of foot	Dr Bharath


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