

## Elective In Orthopaedics

S. No.	Name of the Elective	Principles of Fracture fixation
1	Block	2
2	Department/ Area	Orthopaedic surgery
3	Name of Mentor/ Supervisor/ In charge	Dr. Sandeep Kumar, Professor & Head, Department of Orthopaedic surgery, HIMSR.
4	Co-Supervisor	Dr. Irfan Gul, Assistant Professor, Department of Orthopaedic surgery, HIMSR
5	Number of students intake	02-05
6	Method of Selection	Interview to determine a candidate's core understanding and interests in the field of Orthopaedic surgery.
7	Objectives	<ol style="list-style-type: none"> <li>1. To help trainees acquire basic knowledge about fracture fixation modalities and develop a positive attitude towards it.</li> <li>2. To help a trainee gain competencies in fracture fixation.</li> </ol>
8	Expected outcomes	<ol style="list-style-type: none"> <li>1. To obtain relevant history in a patient with fracture and conduct a thorough clinical examination.</li> <li>2. Ability to prescribe the appropriate investigations in casualty of a patient with fracture (radiographs, special views, CT Scan).</li> <li>3. Ability to counsel a patient with fracture in casualty to avoid situations like unsatisfied or angry patients.</li> <li>4. To describe various methods used for fracture fixation in orthopaedic trauma patients.</li> <li>5. Ability to identify patients requiring external fixation of fractures on urgent basis.</li> <li>6. To be able to judge which mode of fixation is appropriate in different fracture region and types as per AO trauma recommendations.</li> <li>7. To be able to understand basic techniques of external fixation, tension band wiring, plating and nailing in fractures.</li> <li>8. To be able to manage a patient with fracture in casualty.</li> <li>9. To write a prescription and medical records of a fracture patient.</li> <li>10. To be able to assist an fracture fixation surgery in Operation theatre.</li> </ol>
9	Assessment	<ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Day to day participation in patient management during the routine training hours.</li> <li>3. Performance of assigned tasks and presentation of worked up case in the department.</li> <li>4. Assessment exam on the last day of elective.</li> </ol>
10	Log book	Regular log book entry of daily activities. See Appendix 1 for log book details.

**Annexure 1**

S. No.	Name of Competency	Procedure	Date of Procedure	Trainee's feedback	Trainee's initials	Trainer's initials with date
1	History taking of fracture patients					
2	Clinical examination of fracture patients					
3	To advise investigation in fracture patients					
4	Pre operative planning in fracture fixation					
5	assist in external fixation in fractures					
6	Assist in tension band wiring					
7	assist in plating of fractures					
8	assist in nailing of fractures					
9	To assist in closed reduction of fractures					
10	Assessing polytrauma patient in casualty					
11	Assessment of pelvis Fracture patient in casualty					

  
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## Elective In Orthopaedics

S. No.	Name of the Elective	Principles of Management of Orthopaedic Infections
1	Block	2
2	Department/ Area	Orthopaedic surgery
3	Name of Mentor/ Supervisor/ In- charge	Dr. Javed Jameel, Professor Department of Orthopaedic surgery, HIMSR
4	Co-Supervisor	Dr. Siddhartha Sinha, Assistant Professor, Department of Orthopaedic surgery, HIMSR.
5	Number of students intake	02-05
6	Method of Selection	Interview to determine a candidate's core understanding and interests in the field of Orthopaedic surgery.
7	Objectives	<ol style="list-style-type: none"> <li>1. To help trainees to acquire basic knowledge about Orthopaedic Infections and develop a positive attitude towards it.</li> <li>2. To help a trainee gain competency in the management of septic arthritis.</li> </ol>
8	Expected outcomes	<ol style="list-style-type: none"> <li>1. To obtain relevant history in a patient with features of Orthopaedic Infections in any joint and conduct a thorough clinical examination.</li> <li>2. Ability to prescribe the appropriate investigations in casualty to a patient with suspected Orthopaedic Infections (blood investigations and radiographs; USG and MRI, if needed).</li> <li>3. Ability to counsel a patient with Orthopaedic Infections in casualty to avoid situations like unsatisfied or angry patients and attendants.</li> <li>4. To describe various methods of treatment used for the management of Orthopaedic Infections.</li> <li>5. Ability to identify patients requiring surgery on urgent basis.</li> <li>6. To be able to obtain consent for surgery from the patient or attendants.</li> <li>7. To be able to understand basic techniques of arthrotomy, joint lavage, putting a drain, wound closure and sending pus for culture and sensitivity testing.</li> <li>8. To be able to write a prescription and maintain medical records of all patients with Orthopaedic Infections.</li> <li>9. To be able to assist a surgery in Operation Theatre.</li> <li>10. To be able to further manage the wound in ward, do dressings and able to remove drain, if put.</li> </ol>
9	Assessment	<ol style="list-style-type: none"> <li>1. Attendance</li> <li>2. Day to day participation in patient management during the routine training hours.</li> <li>3. Performance of assigned tasks and presentation of worked up case in the department.</li> <li>4. Assessment exam on the last day of elective.</li> </ol>
10	Log book	Regular log book entry of daily activities. See Appendix 1 for log book details.

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S. No.	Name of Competency	Procedure	Date of Procedure	Trainee's feedback	Trainee's initials	Trainer's initials with date
1	Assessing Orthopaedic Infections patients in Casualty					
2	History taking of patients with Orthopaedic Infections					
3	Clinical examination of patients.					
4	To advise all relevant investigations.					
5	Pre-operative planning.					
6	Assist in shifting patient on operation table.					
7	Assist in drapping of affected part.					
8	Assist in arthrotomy of the joint.					
9	Assist in closure of incision.					

  
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