

Observership in Trauma Surgery

DEPARTMENT OF ORTHOPAEDICS Ganga Hospital, Coimbatore

This observership training in Orthopaedic Trauma Surgery at Ganga Medical Centre and Hospitals, Coimbatore, focuses on providing comprehensive exposure to the diagnosis and management of musculoskeletal injuries.

Observership Goals

This observership aims to equip participants with a foundational understanding of orthopaedic trauma care. You'll observe the evaluation and management of a wide range of traumatic conditions affecting the extremities, pelvis, and acetabulum. The primary goal is to develop your critical thinking skills and familiarize you with the principles of acute fracture care, post-traumatic reconstruction, and management of polytrauma patients.

Key Learning Areas

Throughout the three months, you'll gain exposure to:

- **Acute Fractures:** Understanding the assessment and management of fractures in the upper and lower extremities, pelvis, and acetabulum, including those in elderly and osteoporotic patients.
- **Polytrauma Management:** Observing the coordinated care of patients with multiple injuries.
- **Fracture Complications:** Learning about nonunion, malunion, and infection related to fractures.
- **Musculoskeletal Anatomy & Biomechanics:** Developing a working understanding of relevant anatomy for surgical approaches and the biomechanics of fracture fixation.
- **Diagnostic Imaging:** Interpreting plain radiographs, CT scans, and MRI scans in the context of trauma.
- **Operative & Non-operative Techniques:** Observing various surgical approaches, implant usage (plates, screws, nails, external fixators), and non-operative management strategies.
- **Soft Tissue Injuries:** Understanding the management of soft tissue issues associated with fractures.

Training Structure

Your observership will involve a blend of theoretical and clinical activities:

Clinical Exposure

- Bedside Sessions & Rounds: Actively participate in patient evaluation and management under guidance, including history taking, physical examinations, and reviewing investigations.
- Operating Room Observation: Witness a wide array of surgical procedures for fracture fixation and soft tissue management.
- Outpatient Clinics: Observe initial evaluations and follow-up care for trauma patients.
- Pre-operative Planning: Engage in discussions for surgical cases.

Academic & Research Activities

- Case Discussions: Participate in weekly sessions focusing on challenging trauma cases.
- Seminars & Journal Clubs: Attend weekly sessions covering specific trauma topics and critical appraisal of recent literature.
- Grand Rounds: Gain broader exposure to trauma care through weekly presentations.
- Faculty Lectures: Attend monthly in-depth discussions on key concepts.
- Clinical Audits: Observe monthly reviews of patient outcomes.
- Research Exposure: Opportunities to observe ongoing research projects and understand research methodology.

Eligibility

This observership is open to orthopaedic surgeons with a postgraduate degree (e.g., MS Orthopaedics, DNB Orthopaedics)