

Teerthanker Mahaveer University
Teerthanker Mahaveer Medical College & Research Centre

MS (Orthopaedics)

Goals: The goal of MS course in Orthopaedics is to produce a competent orthopaedic surgeon who is:

- Aware of the current concepts in quality care in Orthopaedics and musculoskeletal trauma and also of diagnosis, therapeutic, medical and surgical management of orthopaedic problems
- Able to offer initial primary management of acute orthopaedic and trauma emergencies
- Aware of the limitations and refer readily to major centres for more qualified care of cases which warrant such referral
- Aware of research methodology and be able to conduct research and publish the work done
- Able to effectively communicate with patients, their family members, people and professional colleagues
- Able to exercise empathy and a caring attitude and maintain high ethical standards
- Able to continue taking keen interest in continuing education irrespective of whether he / she is in teaching institution or in clinical practice
- Dynamic, available at all times and proactive in the management of trauma victims and orthopaedic emergencies

Objectives: At the end of MS course, the resident should be adept in the following domains:

- Skill to take a proper history for musculoskeletal disorders
- Clinical examination of all musculoskeletal disorders
- Application of history & clinical findings in making an appropriate clinical diagnosis
- Interpretation of investigations
- Discussion of options of treatment and follow up rehabilitation for the diagnosis made
- Have an in-depth theoretical knowledge of the syllabus with emphasis on current concepts
- Learn basic skills in musculoskeletal surgery including training on bone models and on patients by assisting or performing under supervision or perform independently as required.
- Have basic knowledge of common disorders of the spine, PIVD, degenerative disorders of spine, trauma spine and infections of spine for diagnosis and evaluation of the common spine disorders
- Develop a familiarity to major topics under “Sports Medicine” - to gain exposure to the basic surgery, master the pathophysiology of the conditions usually encountered and develop a sound foundation to add new knowledge in the future
- Learn basic principles of Hand Surgery with emphasis on applied anatomy, understanding pathophysiology of common conditions, planning of treatment and post operative protocols
- Develop understanding of principles of soft tissue coverage and learn basic techniques used in extremity surgery