

(124-MED-22-03) MS – ORTHOPEDICS

Significance of Program:

MS Orthopedics refers to a postgraduate medical degree program that focuses on the study and practice of Orthopedics, which is the branch of medicine that deals with the prevention, diagnosis, and treatment of disorders and injuries of the musculoskeletal system

Career Options

After completing your MS (Ortho) / DNB (ortho) training, you can be hired as an Orthopedic Surgeon & Consultant or Resident Assistant Professor in private hospitals, public hospitals and medical colleges across India. If you do an MD in Orthopaedics, you will be recruited as a Consultant Orthopaedician and faculty in medical colleges

Program Objectives

A postgraduate undergoing training MS in Orthopaedics should be trained to identify and recognize various congenital, developmental, inflammatory, infective, traumatic, metabolic, neuromuscular, degenerative and oncologic disorders of the musculoskeletal systems

Outcomes of the Program

Knowledge - Through the programme, the students will be able to acquire detailed knowledge about orthopaedic speciality and its various aspects that will help them to identify the problem and assess it.

Diagnosis and Treatment - Students will be trained to identify, diagnose and treat the various ailments related to the musculoskeletal system.

Research - During the programme, the students will understand the various research methodology and gain the ability to interpret the research literature

Major Course Outline

Deformities: Congenital and acquired – Pathomechanics, Clinical Features – Treatment – Conservative – Manipulation Bracing, Splinting & Surgical Treatment – Rehabilitation
Osteoarticular Tuberculosis: Bacteriology – Pathology – Symptomatology – Investigation, Diagnosis – Management – Conservative & Surgical Infections : Bacteriology – Pathology – Types – Clinical Features & Management in Acute, Subacute & Chronic Arthritis : Study of various types – Infective, Rheumatoid, Degenerative, crystalloid Metabolic – Signs & Symptoms – Management Tumors : Benign & Malignant – Osseous & Soft Tissue – Pathogenic – Histopathology – Investigations – Management / staging / Role of radio & chemo management of

secondaries therapy from other primary sites. Metabolic disorders: Involving Skeletal Systems Ca / ph / thyroid / parathyroid

CORE	Electives	Skill Course
Orthopedics	Reconstructive surgery	Practical and clinical skills (psychomotor domain) Attitudes including communication skills (Affective domain) Writing thesis / Reviewing Research activities (Scholarly activity) Training in Research Methodology (Practice-based learning, Evidence-based practice) Professionalism Teaching skills