

M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH
UNIVERSITY**
OF APPLIED SCIENCES

PO, PSO & CO

Programme: MS in Orthopedics

Programme Code: 148

Programme Outcome (PO)

Programme Specific Outcome (PSO)

Course Outcomes (CO)

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Principal and Dean

M.S. Ramaiah Medical College and Hospital
M.S. Ramaiah University of Applied Sciences



Ramaiah Medical College (RMC)

Programme Outcomes

Post Graduate Programme: MS in Orthopedics

Programme objectives (PO) for MS Orthopedics Postgraduate students

- PO1. Develop the knowledge, skills and attitude to be a competent Orthopaedic surgeon (C, P).
- PO2. Demonstrate a commitment to excellence and continuous professional development with integrity, compassion and sensitivity to patient care. (A)
- PO3. Acquire and develop the knowledge, skills and attitude required to be a competent and ethical researcher and teacher. (A, C, P)
- PO4. Be able to independently diagnose fractures and be skilled in conservative, surgical procedures in orthopaedic traumatology, musculoskeletal conditions with a reasonable degree of professionalism and competence. (P)

Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for MS Orthopedics Postgraduate students

- PSO1 - Demonstrate the ability to diagnose and treat all trauma patients using updated guidelines in orthopedics with special ability to maintain interdisciplinary coordination. (C, A, P)
- PSO2- Demonstrate the ability to address all emotional issues in patients and family members in relation to diagnosis, treatment, rehabilitation and prognosis of Orthopedic conditions (C, A, P).
- PSO3 - Organize proper promotive and preventive care strategies in the community aimed at reducing the burden of care in accidental trauma (C, A, P).
- PSO4- Lead and participate in planning and execution of team work related to establishment and maintenance of infrastructure related to orthopedics, conforming to the updated guidelines. (C, A, P)
- PSO5 - Plan and conduct research related to the topic (C)
- PSO6 - Demonstrate the ability to organize teaching / training sessions for students and health workers in topics related to orthopedic diseases and care. (P)

Course Outcomes (COs)

Course Title & Code: Basic sciences as applied to Orthopedics (MSC509A)

Subjects At the end of the course, the students should be able to:

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CO-1.	Demonstrate comprehensive knowledge of surgical anatomy, surgical exposures as relevant to orthopedics. (C)
CO-2.	Demonstrate the understanding of various concepts of, complications of fractures, orthopedic infections, amputations. (C)
CO-3.	Demonstrate the understanding of management of the injured patient. (C)

Course Outcomes (COs)

Course Title & Code: Traumatology and Rehabilitation (MSC514A)

Subjects At the end of the course, the students should be able to:

CO-1.	Demonstrate the role of conservative treatment in various orthopedic trauma. (C,A,P)
CO-2.	Demonstrate the role of surgery and implant selection in simple, compound and peri-articular fractures (C,A,P)
CO-3.	Demonstrate the role of post-operative rehabilitation protocols in orthopedics. (C,A,P)

Course Outcomes (COs)

Course Title & Code: Orthopaedic diseases (MSC515A)

Subjects At the end of the course, the students should be able to:

CO-1.	Demonstrate the application of principles of conservative/surgical therapy in the treatment of orthopedic diseases. (A,C,P)
CO-2.	Demonstrate comprehensive knowledge of regional and systemic orthopedic diseases. (A,C,P)

Course Outcomes (COs)

Course Title & Code: General Surgery as applied to Orthopedics & recent advances. (MSC516A)

Subjects At the end of the course, the students should be able to:

CO-1.	Apply newer advances in the comprehensive management of polytrauma. (C)
CO-2.	Demonstrate comprehensive knowledge of polytrauma, MODS and its management. (C,A,P)
CO-3.	Apply legal aspects with respect to road traffic accidents. (A,C)



Course Outcomes (COs)

Course Title & Code: Dissertation (MSP504A)

Subjects At the end of the course, the students should be able to:

CO-1.	Describe the techniques of research, identify available literature and critically analyze the same. (C)
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Registrar
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