

# M.S. Ramaiah University of Applied Sciences

New BEL Road, MSR Nagar, Bangalore – 560054



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES

## **PO, PSO & CO**

**Programme: MD in Radio diagnosis**

**Programme Code: 138**

**Programme Outcome (PO)**

**Programme Specific Outcome (PSO)**

**Course Outcomes (CO)**

*Shalini*

**Principal and Dean**

M.S. Ramaiah Medical College and Hospital  
M.S. Ramaiah University of Applied Sciences  
Bangalore-560054



# Ramaiah Medical College (RMC)

## Programme Outcomes

Post Graduate Programme: MD in Radio diagnosis

Programme objectives (PO) for MD Radio diagnosis Postgraduate students:

- PO1. Develop the knowledge, skills and attitude to be a competent Radiologist (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 and report X-Rays, ultrasounds, CT and MRI and also perform FNAC, Biopsies and other image guided procedures with a reasonable degree of professionalism and competence. (P)

## Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for MD in Radio diagnosis Postgraduate students

- PSO1 -Demonstrate the ability to diagnose and treat all cases of malignancies using updated guidelines in medical and Radiotherapy 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, therapy, terminal care and mortality related to malignancies. (C, A, P).
- PSO3 - Organise proper promotive and preventive care strategies in the community aimed at reducing the burden of care in malignancies (C, A, P).
- PSO4-Lead and participate in planning and execution of team work related to establishment and maintenance of infrastructure related to radiation therapy, conforming to the updated guidelines. (C, A,P)
- PSO5 - Plan and conduct research related to the topic(C)
- PSO6 - Demonstrate the ability to organise teaching / training sessions for students and health workers in topics related to cancer prevention and care. (P)

## Course Outcomes (COs)

Course Title & Code: Basic Sciences Related to Radiology (MDC545A)

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

CO-1.	Demonstrate comprehensive knowledge of applied anatomy, classification, investigations and staging of various diseases. (C)
CO-2.	Demonstrate the understanding of various concepts of physics and its applications. (C)
CO-3.	Demonstrate the understanding of radiobiological concepts behind the causation of radiation damage to tissues. (C)

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## Course Outcomes (COs)

Course Title & Code: Systemic Radiology -1 (MDC546A)

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

- CO-1. Demonstrate the application of imaging modalities in the diagnosis of surgical/systemic diseases thereby enabling the desired treatment
- CO-2. Demonstrate good comprehensive knowledge of sub specialities such as chest, neuro, GIT, urology, CVS ,MSK and women's imaging (C,A,P)

## Course Outcomes (COs)

Course Title & Code: Systemic Radiology -2 (MDC547A)

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

- CO-1. Independently conduct and interpret all routine and special radiological and imaging investigations. (A,C,P)
- CO-2. Decide on various image-guided interventional procedures to be done for diagnostic and therapeutic management.
- CO-3. Apply legal aspects with respect to performing procedures while adhering to radiation guidelines and protocols (A,C,P)

## Course Outcomes (COs)

Course Title & Code: Recent advances, & nuclear medicine (MDC548A)

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

- CO-1. Apply newer advances of imaging in the comprehensive diagnosis of diseases.(C)
- CO-2. Demonstrate comprehensive knowledge of new techniques, its application in creating awareness, and using it as a screening for early diagnosis. (C,A,P)
- CO-3. Able to formulate basic research protocols and carry out research in the field of radiology-related clinical problems (A,C)

## Course Outcomes (COs)

Course Title & Code: Thesis- Radiology (MDP512A)

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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