

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 Respiratory Medicine

Programme Code: 143

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 Respiratory Medicine

Programme objectives (PO) for MD Respiratory Medicine Postgraduate students:

- PO1.** Develop the knowledge, skills and attitude to be a competent Pulmonologist. (C, A, 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 perform Pulmonology related tests and procedures. With a reasonable degree of professionalism and competence. (C, P)

Programme Specific Outcomes (PSOs)

Programme specific outcome (PSO) for MD in Respiratory Medicine Postgraduate students

- PSO1** - Demonstrate the ability to diagnose and treat common pulmonary diseases, their clinical manifestations, including emergent situations and investigations to confirm the diagnosis. A comprehensive knowledge of epidemiological aspects of pulmonary diseases should be acquired. With special ability to maintain interdisciplinary coordination. (C, A)
- PSO2** - Demonstrate the mode of action of commonly used drugs, their doses, side-effects / toxicity, indications, contra-indications and interactions. (C).
- PSO3** - Describe commonly used modes of management including medical and surgical procedures available for treatment of various diseases and to offer a comprehensive plan of management inclusive of National Tuberculosis Elimination Programme. (C, A,).
- PSO4** - Manage common pulmonary emergencies and understand the basic of intensive care in patients with pulmonary diseases. (C, A, P)
- PSO5** - Perform simple, routine investigative and office procedures required for making the bedside diagnosis like sputum collection and examination for etiologic organisms especially Acid Fast Bacilli (AFB), interpretation of the chest x-rays and lung function tests. Interpret and manage various blood gases abnormalities in various pulmonary diseases. (C, A, P)
- PSO6** - Assist in the performance of common procedures, like bronchoscopic examination, pleural aspiration and biopsy, intercostal tube insertion and drainage, pleurodesis, central lines, endotracheal intubation and chest physiotherapy. (C, A, P)
- PSO7** - Develop ability to search medical literature and develop basic concept for medical research. (C)

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Course Outcomes (COs)

Course Title & Code: General Pulmonary Medicine and Basic Sciences (MDC565A)

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

- CO-1. Demonstrate comprehensive knowledge of applied anatomy, classification, histopathology, investigations. (C)
- CO-2. Demonstrate the understanding of various drugs used in pulmonology, drugs pharmacokinetics and drugs interaction. (C)
- CO-3. Demonstrate the understanding of Pathophysiology (C)

Course Outcomes (COs)

Course Title & Code: Clinical Pulmonary Medicine including Medical Emergencies (MDC566A)

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

- CO-1. Demonstrate approach to Pulmonary Infections, Airway diseases, Lung cancers . (C,A,P)
- CO-2. Demonstrate approach ILD, Pulmonary vascular diseases, Environmental and occupational lung diseases. (C,A,P)
- CO-3. Demonstrate approach to pleural diseases and preventive Pulmonology. (C,A,P)
- CO-4. Demonstrate management of medical emergencies.(C,A,P)

Course Outcomes (COs)

Course Title & Code: Clinical Pulmonary Medicine Including Critical care Medicine (MDC567A)

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

- CO-1. Demonstrate the understanding of etiopathogenesis of TB and EPTB(C,A)
- CO-2. Demonstrate the application of principles of TB treatment . (A,C,P)
- CO-3. Demonstrate the application of TB treatment in special situations(C, A)
- CO-4. Demonstrate comprehensive knowledge of pulmonary and critical care.(A,C,P)

Course Outcomes (COs)

Course Title & Code: Recent advances in Pulmonary Medicine, and Research Methodology. (MDC568A)

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

- CO-1. Demonstrate comprehensive knowledge of newer advances in respiratory care, its application in creating awareness, early diagnosis and therapeutic interventions. (C,A,P)
- CO-2. Demonstrate the knowledge of biomedical research and publication.(C,A)

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Course Outcomes (COs)

Course Title & Code: Thesis-Respiratory Medicine (MDP517A)

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 analyse the same. (C)


Registrar
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