

## **(141-MED-31-03) MD – RESPIRATORY MEDICINE**

### **Significance of Program**

The deadlier Covid-19 second wave is finally receding, but not before exposing lacunae in the healthcare system. Complications like post-Covid pulmonary fibrosis, especially among patients who required ICU care and mechanical ventilation during Covid-19 treatment, have highlighted the need for specialized pulmonary care in the post-pandemic times.

Doctors said many lung-related complications need specialized doctors — pulmonologists, but this super specialty has very limited seats in the country and produces less than 500 doctors a year for the huge population of India.

### **Career Options**

MD in Pulmonary Medicine candidates can look for a career in public as well as in private sector. They can be employed as doctors in hospitals or lecturers in medical colleges. Those who are willing to do research work related to the heart can also do the same and become scientists in Pulmonary Medicine.

### **Program Objectives**

The primary goal of the MD course in Pulmonary Medicine is to produce post graduate clinicians able to provide health care in the field of pulmonary medicine. It is expected that a physician qualified in Pulmonary Medicine at the end of the course should be able to diagnose and treat pulmonary diseases, take preventive and curative steps for these diseases in the community at all levels of health care and qualify as a consultant and teacher in the subject.

### **Outcomes of the Program**

- Theoretical knowledge of different aspects of Pulmonary Medicine including the status in health and disease.
- Acquired clinical skills and enabling them to make proficient in all pulmonary interventions required
- Getting trained in all aspects of critical care medicine
- Management of emergencies including intensive care.
- Preparation of thesis as per MCI guidelines.
- These involve patient management in the outpatient, inpatient and emergency situations,
- Case presentations, didactic lectures, seminars, journal reviews, clinico-pathological
- Conferences and mortality review meetings and working in the laboratories.

## Major Course Outline

- Structure & Functions of Respiratory System, Cardiovascular system and mediastinum
- Airways
- Thoracic Tumours
- Non-TB Respiratory Infections
- Tuberculosis
- Pulmonary Vascular diseases
- Occupational and Environmental Diseases
- Iatrogenic diseases
- Acute Injury
- Respiratory Failure
- Pleural Diseases
- Diseases of the chest wall and respiratory muscles including the diaphragm

CORE	Electives	Skill Course
Structure & Functions of Respiratory System, Cardiovascular system and mediastinum	General medicine	Theoretical knowledge of different aspects of Pulmonary Medicine including the status in health and disease,.Acquire clinical skills,.Acquire practical skills.  Management of emergencies including intensive care