

DIPLOMA IN TB AND CHEST DISEASES (DTCD)

Syllabus Theory

Module 1: Basic sciences:Anatomy, physiologypharmacology, pathology and microbiological aspects of Respiratory system

Module 2: Epidemiology, prevention, radiology, clinical aspects and management of Tuberculosis and Nontuberculous respiratory diseases

Module 3: Clinical aspects of Tuberculosis with special reference to RNTCP?dOTS, MDRTB and DOTS Plus and extra pulmonary tuberculosis

Module 4: basic aspects of resuscitation of critically ill patients and their management

Module 5: Recent trends in the field of tuberculosis, respiratory medicine, sleep medicine and critical care medicine.

Module 6: Pulmonary manifestation of systemic disease and systemic manifestation of pulmonary disorders

Module 7: Imaging of the chest including chest X-ray, HRCT and MRI

Module 8: Invasive and noninvasive procedures in Respiratory diseases including bronchoscopy, thoracoscopy and lung ultrasound

Duration of study

The course of study leading to award of diploma in Tuberculosis and Chest disease shall extend over a period of two year after registration for MBBS. Candidates after admission shall pursue a regular course of study and research in tuberculosis and respiratory diseases under the guidance of faculties recognized by the University: emphasis being on practical training and participation in seminars, group discussions, clinical meetings and journal clubs. They should actively involve in patient evaluation and management. On completion of the prescribed course of study, candidates shall be permitted to appear for the examination on production of certificate of completion of the course from the head of the institution.

Practical training

Candidates will be full time students of the department. They will work in the concerned wards, attend to bedside clinics, and participate in clinical club, group discussions, seminars, and symposia. They should also actively involve in thoracic surgery clinic and allergy and applied immunology clinic. Candidates will have to participate in the undergraduates teaching to get experience in the methods of teaching for medical students.

Posting for 15 days in NTI Bangalore to study the various aspects of Tuberculosis control programme
Posting for 7 days in TRC, Chennai to study the research methodology in tuberculosis
Posting for 15 days in Cardiothoracic surgery department
Posting for 15 days in radiodiagnosis and radiotherapy departments
Study tour to industrial areas to understand pneumoconiosis related disorders

Recognised textbooks, reference books & journals

a) Text Books:

- Respiratory Diseases (I & II) - Crofton & Douglas
- Text Book of Pulmonary & critical care medicine-SK Jindal
- Pulmonary Diseases & Disorders - A. Fishman
- Diseases of Chest (I,II,III &IV) - Fraser & Pare

b) Reference books:

- Principles of Critical Care - Farokh E. Udwadia
- Pulmonary Function Testing - Gregg L. Ruppel
- Bronchoscopy -Udaya B. S.Prakash
- Principles & Practices of Sleep Medicine - Kryger & Roth
- Clinical application of Blood Gases - Barry A.Shapiro
- Occupational Lung Disorders - Park & Park
- Paediatric Respiratory Illnesses- Ravindran Chetambath
- High Resolution CT of the Lung - W. Richard Webb
- Surgical Aspects of Tuberculosis - Gibbons
- Tuberculosis – Toman

c) Journals:

- Thorax
- American Review of Critical Care & Respiratory Diseases.
- Indian Journal of Chest Diseases
- European Journal of Respiratory Diseases.
- Clinics in Chest Medicine.
- Recent Advances in Respiratory Medicine.
- Lung India
