The National Institute for Research in Tuberculosis (NIRT), Chennai is one of the premier institutes of the Indian Council of Medical Research (ICMR), Department of Health Research (DHR) of Govt. of India. It is an internationally reputed institution for Tuberculosis (TB) research and a WHO Collaborating Centre for TB Research and Training. ICMR-NIRT is offering an Online course for Doctors on TB. Manage TB is an Online course designed to provide basic information about TB and its management. The participants will be provided with an overview of the extent of the TB burden globally and nationally, its pathogenesis, diagnostic modalities, treatment regimens, prevention strategies and efforts towards TB elimination. National and International guidelines will be elaborated and new TB drugs, vaccines and diagnostics will be discussed.

**Dr. Mohan Natrajan - Course Director**

**Dr. V.V. Banu Rekha - Course Co-ordinator**

**COURSE OUTLINE:**

The National Institute for Research in Tuberculosis (NIRT), Chennai is one of the premier institutes of the Indian Council of Medical Research (ICMR), Department of Health Research (DHR) of Govt. of India. It is an internationally reputed institution for Tuberculosis (TB) research and a WHO Collaborating Centre for TB Research and Training. ICMR-NIRT is offering an Online course for Doctors on TB. Manage TB is an Online course designed to provide basic information about TB and its management. The participants will be provided with an overview of the extent of the TB burden globally and nationally, its pathogenesis, diagnostic modalities, treatment regimens, prevention strategies and efforts towards TB elimination. National and International guidelines will be elaborated and new TB drugs, vaccines and diagnostics will be discussed.

**ABOUT INSTRUCTOR:**

Dr. Mohan Natrajan - Course Director  
Dr. V.V. Banu Rekha - Course Co-ordinator

**COURSE PLAN:**

**Week 01:** Epidemiology and Pathogenesis of Tuberculosis: How is Tuberculosis affecting public health globally and nationally? | The Epidemiology of Tuberculosis | Pathogenesis of Tuberculosis | Clinical manifestations of Tuberculosis.

**Week 02:** Bacteriological Diagnosis of Tuberculosis smear and culture | Video demonstration of smear and culture techniques | Phenotypic drug susceptibility testing in Tuberculosis | Video demonstration of Phenotypic drug susceptibility testing techniques | Video demonstration of genotypic methods for TB diagnosis and drug susceptibility testing | Radiology in diagnosis of Tuberculosis.

**Week 03:** Approach to diagnosis of Pulmonary TB | Case discussion | Approach to diagnosis of Extra-pulmonary TB | Diagnosis of Childhood Tuberculosis | Video – demonstration of gastric fluid aspiration technique in a child.

**Week 04:** Management of Tuberculosis: Drugs for treating Tuberculosis and Principles of Chemotherapy | Treatment of Drug Sensitive Pulmonary Tuberculosis | Case discussion | Management of drug resistant Tuberculosis.

**Week 05:** Management of Extra - Pulmonary Tuberculosis | Panel discussion | Management of patients with HIV-TB co-infection | Case discussion | Management of TB in special situations.

**Week 06:** Treatment of Pediatric Tuberculosis | Management of Adverse effects to anti-TB drugs | Case discussion | Non-tuberculosis Mycobacteria: Diagnosis & Clinical Management | Newer Anti-TB drugs and regiments.

**Week 07:** Prevention of Tuberculosis: Management of Latent TB Infection | Airborne infection control in Tuberculosis | Vaccine for Tuberculosis.

**Week 08:** Towards Tuberculosis Elimination: Service offered by Revised National TB Control Programme | Tuberculosis notification | Addressing social barriers in Tuberculosis control | Standards for TB care in India | Global Tuberculosis control strategies.

**INDUSTRIES APPLICABLE TO:** Government/ Private Sector, Public Health Service Institutions/ Agencies and Medical Colleges/ Universities.

**TYPE OF COURSE:** Rerun | Elective | UG  

**INTENDED AUDIENCE:** MBBS  

**COURSE DURATION:** 8 weeks (29 Jul’19 - 20 Sep’19)  

**EXAM DATE:** 29 Sep 2019