TRMD 6450 Tuberculosis: Global Trends and Interactions with HIV

Professor: Latha Rajan, MBBS

Credits: 2

Semester(s) Offered: Spring

Course Description:

This course is designed as an overview of tuberculosis and the challenges posed by the dual epidemics of TB and HIV. The course comprises a series of lectures and case studies. Guest faculty are recognized experts in this area and bring extensive experience and case study material to the course. Field activities including a visit to the Wetmore Tuberculosis Clinic at Charity Hospital and a visit to the Tuberculosis Control Program at the Office of Public Health are offered. The course includes three broad content areas: basic concepts of tuberculosis disease and epidemiology, clinical manifestations and management; challenges posed by the interactions of Tuberculosis and HIV infection and global initiatives to integrate TB and HIV control programs; and issues in tuberculosis control with special reference to multidrug resistance, social aspects, and program strategies. The biological, clinical and programmatic perspectives gained from this course will assist students in interpretation and critique of programs and policies related to tuberculosis control.
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Learning Objectives:

1. Describe the natural history of tuberculosis infection
2. Discuss the epidemiology of tuberculosis
3. Recognize the clinical features of tuberculosis
4. Discuss the diagnosis and management of tuberculosis
5. Interpret the national and global impact of tuberculosis in the presence of HIV/AIDS
6. Identify the major issues in tuberculosis control
7. Describe major control methods and programs
8. Identify strengths and weaknesses in control programs