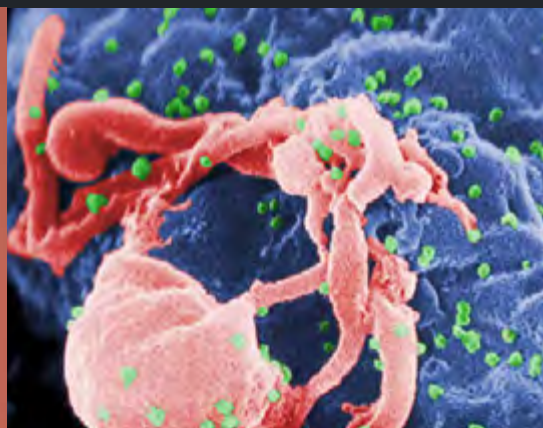




Clinical Management of HIV

AN ONLINE COURSE

Department of Global Health at the University of Washington



Clinical Management of HIV is a graduate-level course in the Department of Global Health at the University of Washington. The course is offered to groups of eligible students in resource-limited settings via web-based, e-learning technology. Students who satisfy the course requirements will receive a certificate of course completion.

COURSE SCHEDULE AND LEARNING OBJECTIVES:

WEEK 1

Diagnosing HIV and the Initial Evaluation of HIV-Infected patient

- Conduct an initial history & physical of a newly diagnosed HIV-infected patient.
- Stage patients' HIV disease severity based on both CDC and WHO HIV classifications.

WEEK 2

Opportunistic Infections 1: Non-Neuro, non-TB

- Outline the diagnosis and management of Pneumocystis jirovecii pneumonia, disseminated Mycobacterium avium complex, Candidal esophagitis, and Cytomegalovirus disease in patients with AIDS.
- Explain the key and expanded role of co-trimoxazole prophylaxis in the resource-limited setting.
- Recognize and define immune reconstitution syndrome.

WEEK 3

Intro to Antiretroviral Therapy

- Describe the goals of antiretroviral therapy and indications for starting.
- Identify the distinguishing features of each class of antiretrovirals, as well as the pros/cons of different regimens.

WEEK 4

Opportunistic Infections 2: TB, Cryptococcus, Toxoplasmosis and Progressive Multifocal Leukoencephalopathy

- Describe the management of cerebral toxoplasmosis, progressive multifocal leukoencephalopathy, and Cryptococcal meningitis.
- Explain the interaction between HIV and TB, and the principles of TB treatment in the HIV-infected patient.

Clinical Management of HIV was awarded the Velji Project of the Year Award from the Global Health Education Consortium in 2011.

“Thanks for this the great opportunity to undergo this training. This was a great chance to improve my skills and test my ability. I am better clinician than yesterday!”

PROGRAM OFFICER FROM KISUMU KENYA

The course provides in-depth training in the diagnosis and clinical management of HIV as practiced around the world. Students from Seattle and over 20 different countries are active participants in the course. Distant students from resource-limited regions participate both synchronously and asynchronously from countries in the Caribbean, Latin America, Africa, and Asia.

The web-based curriculum comprises 10 weekly seminars with lecturers who provide first-hand perspectives on diagnosing and treating HIV and STIs in the United States and the developing world. The web-based homework focuses on the diagnosis and treatment of these diseases using US-based guidelines.

WEEK 5

HIV-associated Malignancies & Dermatology

- Identify the key clinical features of the major AIDS-defining malignancies: Kaposi's sarcoma, Non-Hodgkin's lymphoma, Primary CNS lymphoma.
- Recognize and recall common themes in HIV-related skin disease.

WEEK 6

Antiretrovirals: Adverse Effects, Drug Resistance, and Drug Interactions

- Describe the adverse effects of antiretroviral agents – both common and severe.
- Outline the indications for HIV resistance testing as well as the approach in resource-limited settings when such testing is not available.

WEEK 7

Management of Sexually Transmitted Infections in HIV-infected Patients

- Identify the most common STI syndromes.
- Differentiate between the syndromic versus etiologic approach to management of STIs in HIV-infected patients.

WEEK 8

Pediatric HIV

- Contrast the natural history and manifestations of HIV in infants and children from that of adults.
- Describe the unique challenges in diagnosis and management in pediatric HIV, particularly from global perspective.

WEEK 9

Post-exposure Prophylaxis for HIV and Preventive Care

- Outline the strategies to reduce secondary HIV transmission, starting with the infected patient.
- Recognize the indications for post-exposure prophylaxis for both occupational and sexual HIV exposures.

WEEK 10

HIV Vertical Transmission and Pregnancy

- Discuss the risk factors for mother-to-child HIV transmission (MTCT), as well as the interventions to prevent MTCT in both US and resource-limited settings.

NOTE: lecture order is subject to change.



ELIGIBILITY

The course is aimed at students with a basic proficiency in history, physical exam and differential diagnosis. Eligible students include medical students, medical residents, advanced nursing students, pharmacy students, international AIDS and research training scholars. We welcome other interested clinicians who meet basic pre-requisites.

The course is simulcast in real-time to students in appropriate time zones (ie: Latin America, Caribbean, and some African countries). Students from regions that cannot participate in real-time view lecture recordings and participate in the course asynchronously via live group discussion and online discussion forum.

REQUIREMENTS

Site

Each site must have between 5 and 20 students that meet the basic course prerequisites (i.e. medical doctor, nurse, pharmacist). Each site must have a location where all students can meet and view lectures clearly – either from a sufficiently large computer screen (recommended only for small group of 5) or projection. Note: sites may have more than 20 participants if course facility can accommodate larger group and all students can view lectures clearly.

Students

Students must be available to meet together once a week for two hours for the duration of the 10 week course (beginning in January and ending in March). Students must have individual access to a computer with internet connection in order to complete weekly homework assignments and quizzes.

Coordinator/Clinical Facilitator

Each site must have a volunteer Site Coordinator. This is an unpaid position whose role is to track attendance, communicate regularly via email or Skype with students at the site and the UW Course Organizer, ensure students can access the course website and that the site is technically equipped to view the lectures each week. The Site Coordinator may also be a student of the course.

Each site is encouraged to also have a Clinical Facilitator who should be an experienced medical doctor who currently provides HIV/AIDS care. The role of the Clinical Facilitator is to stimulate discussion and provide a local resource for clinical questions that may arise.

For more information visit

<http://tree4health.org/HIV>

UNIVERSITY of WASHINGTON

DEPARTMENT of
GLOBAL HEALTH



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