

# Internal Medicine Residency

## Primary Care HIV Pathway

### Goals

- Education in the HIV Pathway will prepare residents to provide expert and compassionate care to persons with HIV.

### Objectives: By the end of training, residents will be able to:

- Provide primary care for persons with HIV infection.
- Complete a full initial evaluation of a patient with HIV (PC1, MK1, MK2, ICS3)
- Analyze and select appropriate anti-retroviral regimens for individualized patient needs (PROF3, PC2, MK1, SBP3)
- Provide primary and secondary prevention
- Manage co-morbidities as a primary care practitioner (PC2, MK1)
- Diagnose and manage infectious complications of patients infected with HIV (PC2, MK1)
- Appropriately coordinate inter-professional care in regards to psychosocial support, prevention counseling, and other specialty care. (SBP1, PROF1, ICS2)
- Provide services as an independent practitioner in an HIV clinic. (PC3)
- Receive the HIV Specialist Credential by the American Academy of HIV Medicine.

### Structure

- The HIV Pathway will be based at the HIV clinic on the Veterans Administration Loma Linda Healthcare System (VAH) campus.
- A resident in the HIV Pathway will be connected with an HIV specialist mentor at the VAH, who will guide the resident in the understanding of the management and education of patients with HIV infection.
  - On a semi-annual basis, the HIV mentor will discuss progress toward the program's and resident's goals.
- A panel of both new and return HIV patients will be managed by the resident in up to 4 half day HIV clinics each month. There is a goal of 30-35 HIV patients to be regularly followed throughout the 3 year residency program of this track's participants.
- HIV learning sessions will be scheduled regularly to augment the resident's education. See below.
- In the 3<sup>rd</sup> year, residents will be expected to pass the HIV Specialty Certification examination from the American Academy of HIV Medicine.
  - According to the AAHIVM <http://www.aahivm.org/>, prerequisites for taking the examination include:
    - Maintaining a valid state medical license

- Providing direct, ongoing care to at least 20 HIV patients over the 24 months preceding the date of application. If less than this, connection with an approved HIV mentor is required.
- Completing a minimum of 30 credits of HIV-related Category 1 CME/CEU/CE within the 24 months preceding the date of application or certain training programs, HIV-specific fellowships, lecturing, and many other types of educational activity are acceptable as a substitute for actual accredited CME/CEU/CE, but explanation is required on the Credentialing application.

## Expenses

- Membership in the American Academy of HIV Medicine, (fee for residents/fellows: \$25/year)
- Examination Fee: \$290
- Textbook

## Learning Experiences

- Residents will be invited to attend and participate in webinars, and various off-site educational interactive and lecture symposia.
- Residents will join a journal club (held monthly to every other month) on pertinent, recent, peer reviewed articles.
- Residents may choose to develop the residency required quality improvement project or other clinical research project with their HIV mentor with the goal of presenting the collaboration as a poster or research paper at a regional or national meeting.
- Didactics: Sample topics: 15 hours/year
  - U.S. and global HIV epidemiology
  - The natural history of HIV
  - HIV pathogenesis
  - Initial evaluation and laboratory assessment of the HIV patient
  - Antiretroviral (ARV) medication selection
  - ARV drug-drug interactions and side effects
  - ARV resistance testing
  - ARV management in the HIV drug experienced patient
  - Co-infection with Hepatitis C and Hepatitis B
  - HIV related opportunistic infections
  - HIV related malignancies including: Kaposi's Sarcoma, HIV related non-Hodgkin's Lymphoma, Castleman's lymphoma, anal/cervical cancers
  - Metabolic and chronic care issues in HIV
  - Prevention and screening
  - Managing co-morbidities associated with HIV (psychiatric illness, substance abuse, etc.)
  - Interdisciplinary team management of the HIV patient (team work with social work, case manager, etc.)
  - Pre and post HIV exposure management

## **International Elective**

Those residents who qualify for the International Elective may elect our Botswana Site (Kanye Adventist Hospital) where you will participate in several HIV clinics/week, including a 'failure clinic'. You will become acquainted with the Botswana Ministry of Health Treatment guidelines, and work beside nurses and clinical officers who manage these patients. See International Elective links.