

## **St. Michael's Hospital Division of Infectious Diseases**

### **Welcome!**

Welcome to the Division of Infectious Diseases at St. Michael's Hospital! This rotation is designed to provide you with a broad exposure to the many facets of Infectious Diseases and HIV clinical care. The rotation will consist mainly of inpatient consultations and outpatient clinics. You will also have the opportunity to oversee the medical care of hospitalized HIV patients. There will be plenty of good opportunities for teaching and learning during your rotation, so that by the end of your time with us, you should be familiar with the investigation and management of a wide variety of infectious diseases, including HIV.

### **Division/Department Profile:**

The Infectious Diseases Service at St. Michael's Hospital will give the trainee the opportunity to teach and to learn in an environment providing exposure to the entire spectrum of acute, chronic, and recurrent infectious diseases in both hospitalized and ambulatory patients. Referrals come from the general medical and surgical services, as well as medical/surgical, cardiovascular, and neurosurgery/trauma Intensive Care Units. Orthopedic surgery, neurosurgery, vascular surgery, and cardiology are also large sources of patient referrals.

The ID consult service sees an average of 3 or 4 consults per day, and carries an active list of about 20-25 follow-up patients at any given time. There are an estimated 300 new outpatient ID referrals and 255 new outpatient HIV referrals annually. Combined annual ID and HIV outpatient visits total more than four thousand. Trainees are given the opportunity to rotate between the ID and HIV services during their ID rotation at SMH.

Combined ID and HIV clinics occur daily throughout the week, and trainees generally attend 3 half days per week. There are 5 designated beds for the HIV Service, which the ID trainee has the opportunity to oversee in consultation with the ID fellow attending physician. Trainees are protected from routine non-medical duties on the inpatient unit due to the support of a strong multidisciplinary care team. There were 322 admissions of HIV positive patients to SMH in fiscal year 2003, 136 of these to the designated HIV beds on 2 Queen.

### **Important Contact Information:**

#### **Medical Staff:**

Dr. Kevin Gough	-Division Head, Medical Director HIV Service, Education Coordinator, ID, HIV, clinical trials HIV
Dr. Bill Fong	-ID, HIV; research: <i>Chlamydia pneumoniae</i> and atherosclerosis

Dr. Kamran Khan -ID, Global Health, TB  
Dr. Matthew Muller -ID, Infection Control  
Dr. Mario Ostrowski -ID, HIV; research: HIV immunity and vaccine development

Divisional Administrative Assistant: Debbie Reid 416-864-5568  
HIV Research Coordinator: Arshia Ali

**Allied Health Staff:**

Joanne Bennett	Clinical Leader Manager, 2 Queen
Barb Gaudet	Clinical Leader Manager, Ambulatory Clinics
Myrle Chambers	Nurse, Ambulatory Clinics, ID/HIV
Maureen Kitscha	Nurse, Ambulatory Clinics, ID/HIV
Sally Simpson	Case Manager, HIV
Tom Chin	Pharmacist, HIV//ID Outpatients
Deborah Yoong	Pharmacist, HIV Inpatients and Outpatients
Jordan Lewis	Social Worker
Stephanie DeMaio	Dietician
Dave Hadley	Physiotherapist

**Rotation Details:**

**Where should I go on the first day?**

On your first day, please check in with Debbie Reid in Room 4-179, 4<sup>th</sup> floor, Cardinal Carter Wing (use Victoria St. entrance and elevators). Debbie will provide you with orientation material, including your schedule and keys, and will introduce you to your attending physician.

**Is there recommended reading prior to starting the rotation?**

There is no recommended reading before you start, but if you'd like some optional reading, check out the suggested reading below.

**I. INFECTIOUS DISEASES ROTATION:**

1. General Information
2. Trainee responsibilities
3. Ambulatory care activities
4. Structured education
5. Research opportunities
6. Suggested reading

**1. GENERAL INFORMATION:**

The Infectious Disease Service at St. Michael's Hospital is a popular, primarily, consultative service, which provides consultation for a wide variety of infections for

various disciplines of Medicine and Surgery. A primary HIV experience (outpatient and inpatient) at St. Michael's Hospital is available as part of the rotation (see below for HIV Rotation, St. Michael's Hospital).

Hours: Monday-Friday, 8:30-17:00 h

## **2. TRAINEE RESPONSIBILITIES:**

1. Assessment of patients for Infectious Diseases consultation.
2. Attend ID and HIV outpatient clinics.
3. SAR call after 5:00 p.m. as per Internal Medicine call schedule (includes ID call)
4. Active participation in ID rounds and seminars.

## **3. AMBULATORY CARE ACTIVITIES:**

Residents and interns attached to the ID Service are expected to attend three Infectious Diseases half-day clinics per week. New consultations (2-3 per clinic) and followup cases are seen, and reviewed with the attending Infectious Diseases physician. Computer access is available for real-time literature reviews to facilitate practice of evidence-based medicine.

## **4. STRUCTURED EDUCATION:**

Teaching is conducted on daily (Monday - Friday) service rounds, and a monthly seminar (one hour) is held to discuss interesting ID cases from the General Internal Medicine service. Informal sessions will be held, usually once a week, to discuss topics of interest to the trainee. The Infectious Diseases Fellow also teaches residents and medical students weekly.

**Practical Microbiology Seminar:** Once weekly (one hour) with the Microbiology staff/Fellow to review gram stains, clinically relevant laboratory testing, and interpretations of culture results.

## **5. RESEARCH OPPORTUNITIES:**

1. Animal and Clinical studies on *Chlamydia pneumoniae* and atherosclerosis.
2. HIV/AIDS Clinical studies and Basic Science research on immunity to HIV and vaccine development (see HIV Rotation)

## **6. SUGGESTED READING:**

The following is suggested reading for ID:

**Clinical Infectious Diseases 2002;34:1515-1523**

Further references, including an electronic resource collection, are available on-site to trainees.

## **II. HIV ROTATION:**

1. General Information
2. Trainee responsibilities
3. Ambulatory Care Activities
4. Structured education
5. Research opportunities
6. Suggested reading

### **1. GENERAL INFORMATION:**

The HIV rotation at St. Michael's hospital provides the trainee with the unique opportunity to manage the spectrum of HIV infection from clinically asymptomatic disease in the ambulatory clinic, to acute illness and end-of-life issues through the rapid assessment service and in-patient hospitalization.

Hours: Monday-Friday, 08:30 - 1700 h.

### **2. TRAINEE RESPONSIBILITIES:**

#### **In-patient Service:**

There are 5 designated HIV in-patient beds (with the ability to increase as needed) which the trainee will manage in conjunction with the attending physician. Patients admitted to these beds will have opportunistic infections, opportunistic malignancies, or complications of antiretroviral therapy which require the expertise and resources of the HIV Service multidisciplinary team. These patients should be rounded on daily and progress notes charted by the trainee. Request and follow-up of laboratory investigations for these patients is also the responsibility of the trainee, under the supervision of the attending physician.

#### **Rapid Assessment Service:**

Referring physicians are able to request an HIV medical consult for HIV positive patients without the need for admission through the emergency department (ED). All cases are triaged by the trainee who will discuss the referral with the attending physician and a decision will be made about whether the patient should be seen immediately, and where. The HIV RN Case manager will facilitate the patient visit and liaise with the referring physician for further information. Patients also attend the Medical Day Care Unit for prearranged transfusions and infusions. The Medical Day Care nurse may request a consultation by the HIV service if he/she has concerns about a patient.

**Emergency Department/Wards:** Trainees may also receive HIV consults from the ED and wards.

**Ambulatory Clinics:** HIV/Infectious Disease clinics are available daily throughout the week.

**On-Call:** Evening and weekend HIV call for new consults only is taken by the Medical Teams. Inpatients are managed by a hospitalist.

### **3. AMBULATORY CARE ACTIVITIES:**

Residents and interns attached to the HIV Service are expected to attend three HIV half-day clinics per week. New consultations (1-2 per clinic) and followup cases are seen, and reviewed with the attending Infectious Diseases physician. Computer access is available for real-time literature reviews to facilitate practice of evidence-based medicine.

#### **4. EDUCATIONAL OPPORTUNITIES:**

Teaching occurs daily (Monday - Friday) on service rounds, and a monthly morning report session (one hour) is devoted to discussing interesting HIV cases from the General Internal Medicine service. Informal sessions will be held, usually once or twice a week, to discuss topics of interest to the trainee. The Infectious Diseases Fellow also teaches residents and medical students weekly.

**HIV Rounds:** Tuesdays, 12:30 - 13:30, 2E Bond Assembly Hall (check the schedule for any exceptions). Lunch is provided. Residents are expected to attend HIV rounds and will be asked to prepare and discuss a topic (interesting cases, articles etc.) once monthly at these rounds.

**Practical Microbiology Seminar:** Once weekly (one hour) with the Microbiology staff to review Gram stains, clinically relevant laboratory testing, and interpretations of culture results.

**Medical Grand Rounds:** Wednesdays, 12:00 - 13:00h, Queen St. Lecture Auditorium

**City Wide Infectious Diseases/Microbiology Rounds:** Trainees are welcome to attend city-wide rounds (see schedule)

#### **5. RESEARCH OPPORTUNITIES:**

1. Clinical studies in HIV/AIDS.
2. Basic Science research including immunity to HIV and vaccine development

#### **6. SUGGESTED READING:**

<http://www.aidsinfo.nih.gov/>

<http://hivinsite.ucsf.edu/InSite?page=KB>

#### **General Hospital Information:**

Medical Education Staff, Lockers, registration, access cards, greens, etc

Follow the link below to the Postgrad website:

[http://www.stmichaelshospital.com/Content/Education/education\\_postgrad.asp](http://www.stmichaelshospital.com/Content/Education/education_postgrad.asp)