

# DEPARTMENT OF INTERNAL MEDICINE

## **GASTROENTEROLOGY & HEPATOLOGY ELECTIVE**

**Course Director: Paul Mustacchia, MD**

**Duration: 4 Weeks**

### **GOALS**

The goals of the elective rotation are to provide the student with an introductory inpatient and outpatient consultative experience. Students will also be introduced to the management of gastrointestinal and liver disorders. Additionally, students will be trained to competently evaluate, manage, and follow common gastroenterologic illnesses.

### **OBJECTIVES**

The objectives of the Gastroenterology elective are to expose medical students to:

- Basic pathophysiology of gastrointestinal diseases.
- Recognized common diseases of the tubular gut, gallbladder, pancreas, and liver along with appropriate diagnostic and therapeutic plans.

Every patient evaluated by a student in either the clinic setting or the inpatient consult setting will be examined and reviewed in detail with the attending physician. At a minimum, this review will include discussion of the history and physical examination findings, differential diagnosis, and diagnostic and therapeutic management plans.

### **CLINICAL EXPERIENCE**

Clinical experience will include co-management of patients with a wide variety of digestive and liver disorders, in both the inpatient and outpatient settings. There will be an emphasis on the pathophysiology, clinical manifestations, and treatment of gastrointestinal disorders. Additionally the medical students will observe endoscopy performed by the gastroenterologists to gain knowledge of the appearance of normal gastroenterologic anatomy and the appearance of pathology.

The medical students will demonstrate understanding of diagnosis, treatment, and long-term management of the following GI diseases:

1. Hepatitis, including evaluating abnormal liver function tests
2. Pancreatitis
3. Peptic ulcer disease and nonulcer dyspepsia
4. Colon cancer
5. Cholelithiasis, cholecystitis
6. Irritable bowel syndrome
7. Inflammatory bowel disease
8. Ascites and its evaluation
9. GERD
10. GI bleeding
11. Hepatic cirrhosis

## **DIDACTIC EXPERIENCE**

- Students are expected to attend all regularly scheduled program conferences, including morning report, core conference, journal club, morbidity and mortality conference, and pathology conference.
- Selected clinical review literature in gastroenterology and hepatology is presented to the student for reading and discussion.
- The student will also observe endoscopic procedures including a diagnostic and therapeutic EGD and a colonoscopy. The student can also arrange to observe mortality studies, endoscopic ultrasound, ERCP, stent placement, and other advanced GI procedures.

## **OBJECTIVES**

During their rotation, medical students will work with Internal Medicine residents to become familiar with the pathogenesis, diagnosis, and treatment of a wide variety of infectious diseases. They will always be supervised by an Infectious Disease attending on the consult service.

The course objectives include:

1. Obtaining an accurate and thorough history from the patient, patient's family, and available records.
2. Performing a complete and accurate physical examination.
3. Being able to recognize dermatological manifestations of different infectious diseases.
4. Evaluating lab and diagnostic radiographic studies in patients with infections.
5. Developing a differential diagnosis, recognizing which illnesses are most likely to be causing the specific problem.
6. Discussing appropriate antibiotic options, if indicated, including calculation and adjustment of dosage of antibiotic therapy in patients with renal compromise.
7. Interpreting levels of antibiotics.

## **HOW TO APPLY**

If you are interested in applying, please call 516-572-5399 or visit us at [www.numc.edu](http://www.numc.edu).