

## **MHD II, Session III**

### **Correlative Lecture Objectives:**

#### **MHD**

Provide a guideline for the approach to patients with diarrhea

Describe the mechanisms by which *Vibrio cholera* and *Helicobacter pylori* cause disease and the clinical syndromes they cause.

To achieve this goal you will be able to:

Describe the morphologic characteristics of each of the organisms.

Identify the adherence factor in *Vibrio cholerae*

Describe the molecular and physiological actions of cholera toxin

List the features of the disease cholera

List the important virulence factors of *Helicobacter pylori*

List the diseases associated with *Helicobacter pylori*

Name the five genera of Enterobacteriaceae that can cause gastrointestinal disease

Name the five groups of *E. coli* that can cause gastroenteritis and the mechanism by which diarrheal disease is produced by each group.

List the triad of symptoms that defines hemolytic uremic syndrome (HUS)

Describe the reservoir, mode of transmission, clinical presentation, method of laboratory diagnosis and treatment of disease caused by Shiga-toxin producing *E. coli*.

Describe malabsorption disorders and how they present in clinical medicine.

#### **Correlative topics in First Aid for USMLE I 2011**

p.149

p.151

p.152

p.176

p.90-94

p.323