HEPATIC VIRUSES

DATE: Wednesday, April 10, 2019 – 9:30 am

READING ASSIGNMENT:
Murray Medical Microbiology, 7th Edition, Chapter 63

EDUCATIONAL GOAL:

You will be able to distinguish among the five different viral infections that cause hepatitis and describe the expected outcomes of each infection.

KEY CONCEPTS AND LEARNING OBJECTIVES:

To attain the goal of this lecture you will be able to:

- List the five viruses which can cause hepatitis in humans and state the routes of transmission for each virus
- State the three possible outcomes from infection with HBV
- Describe how the serologic assay for HBV is used to determine a patient's disease status and state the expected serologic assay results for a patient with acute HBV infection
- Describe the components of the HBV vaccine and how the vaccine is used to protect individuals from HBV and HDV infection
- State the anti-viral drugs used to treat HBV infection, and describe their mechanism of action.
- List the components of the HDV virion
- Describe the unique enzymatic activity associated with HDV RNA
- Describe the mode of transmission and pathogenesis of HCV
- Describe anti-viral drugs used to treat HCV infection and their mechanisms of action.
- Describe the mode of transmission and pathogenesis of HEV
- List the three hepatitis viruses associated with persistent viral infection