THE ROLE OF MICROSCOPY IN THE DIAGNOSIS OF INFECTIOUS DISEASES

Reading Assignment: Murray et al., Medical Microbiology, 8th ed., 2016 Chapter 4

LEARNING OBJECTIVES:

1. Describe how to prepare a specimen and perform the Gram stain.
2. Explain the clinical utility of a Gram stain.
3. Summarize the steps of an acid fast stain.
4. List organisms that stain positive in acid-fast stains.
5. List the 4 types of fungal stains.
6. List the 4 types of parasitology stains.
7. Identify the following bacteria from a Gram stain image: Staphylococcus aureus, Neisseria meningitides, Streptococcus pneumoniae, E. coli, Actinomyces species, Campylobacter species, Nocardia species.