PSEUDOMONAS AERUGINOSA AND OTHER NON-FERMENTING GRAM-NEGATIVE BACILLI

Date: Wednesday, September 5, 2018 – 8:30 am

Reading Assignment: Murray et al., Medical Microbiology, 8th ed., 2016. Chapter 27

EDUCATIONAL GOALS AND OBJECTIVES:

GOAL

After attending the lecture and reading the assignment, the student should be able to know the important toxins produced by Pseudomonas aeruginosa and describe the clinical infections associated with Pseudomonas aeruginosa and other clinically significant glucose non-fermenting gram-negative bacilli

OBJECTIVES

To attain this goal, you will be able to:

1. Describe the type of patients who acquire Pseudomonas aeruginosa infections
2. List the major toxins produced by Pseudomonas aeruginosa and describe their principle effect on human cells.
3. Discuss the association of Burkholderia cepacia and pulmonary infection in cystic fibrosis patients
4. Describe the gene defect and resultant pathology of cystic fibrosis disease
5. List the diseases associated with Pseudomonas aeruginosa, Stenotrophomonas maltophilia, Burkholderia cepacia, Burkholderia pseudomallei, Acinetobacter baumannii, and Elizabethkingia meningoseptica
6. Name the Non-Fermenting bacteria that are listed as potential bioterrorist agents