Staphylococci and Related Organisms

**Date:** Tuesday, August 28, 2018 - 9:30 AM – 10:30 AM

**Reading Assignment and References:** Murray et al., *Medical Microbiology*, 8th ed., 2016. Chapter 18

**EDUCATIONAL GOALS AND OBJECTIVES:**

At the conclusion of this lecture and reading assignment, students will be able to describe the pathogenic mechanisms and clinical diseases associated with *Staphylococcus aureus* and other clinically relevant species of coagulase-negative staphylococci. Students will also understand the significance and epidemiology of MRSA infections and be able to describe effective infection prevention measures to control MRSA infection in the hospital.

**OBJECTIVES**

To attain these goals you will be able to:

1. Describe the epidemiology of staphylococcal infection.
2. List severe disease syndromes in which *Staphylococcus aureus* should be considered in the differential diagnosis.
3. List virulence factors associated with *S. aureus*.
4. List the clinically significant species of coagulase-negative staphylococci and describe the diseases they are associated with.
5. List lab tests that help differentiate *Staphylococcus* species.
6. List settings that have been associated with community-acquired MRSA outbreaks.
7. List severe disease syndromes in which MRSA should be considered in the differential diagnosis.
8. Describe effective infection prevention measures to control MRSA infections in the hospital.