Week 8 Study Guide

**Reading Guide:**

Chapters 19-20

You may want to make some charts to organize your material for studying. I have posted templates to our Moodle page this week for use in this endeavor.

1. Organism name
2. Disease associated with organism
3. Transmission (ie airborne, person-to-person, fecal-oral, soilborne, waterborne, foodborne, contact, sexually-transmitted, arthropodborne etc…)
4. Signs and symptoms of disease
5. Special/unique features of this organism

Key Material from Ch. 19:

1. Describe the anatomical structure of skin (layers, features). How does this organ serve in defending the body?
2. Why is the skin inhospitable to most microbes?
3. Define: microbiota
4. Describe lesion progression in poxviruses
5. Define: mycosis
6. Describe 4 general types of mycoses based on body location. (See Table 19.5)
7. Define: dermatophytoses

Make Charts for these diseases/conditions:

* folliculitis
* staphylococcal scalded skin syndrome
* impetigo and erysipelas
* necrotizing fasciitis
* acne
* cat scratch disease
* *Pseudomonas* infection
* Rocky Mountain Spotted Fever
* cutaneous anthrax (also know the other forms of anthrax—gastrointestinal, inhalation)
* gas gangrene
* Poxviruses
* herpes
* warts
* chickenpox and shingles
* rubella
* measles (rubeola)
* erythema infectiousum
* leishmaniasis
* scabies

Key Material from Ch. 20:

1. Describe the basic divisions, organs, and structures of the nervous system.
2. Describe the formation, circulation, absorption, and collection of CSF.
3. How can microbes gain access to the CNS?
4. What are the symptoms of bacterial meningitis?
5. Contrast bacterial meningitis with viral meningitis.
6. What are the features of cryptococcal meningitis?
7. Define: conjunctivitis
8. Define: keratitis

Make Charts for these diseases/conditions:

* bacterial meningitis (with 5 most common organisms)
* Hansen’s Disease (leprosy)
* Listeriosis
* Botulism
* Tetanus
* viral meningitis
* poliomyelitis
* rabies
* arboviral encephalitis (see Table 20.2 for help)
* African sleeping sickness
* Primary Amebic Meningoencephalopathy
* Variant Creutzfeldt-Jakob Disese (vCJD)
* Trachoma