

## V. Microbial Diseases (Session 12)

### F. Skin and Eyes, Wounds and Bites

#### a. General Information

- 1) Anatomy & Physiology
- 2) Immunity
- 3) Normal flora:
  - Staph. epidermidis*\*
  - Propionobacterium acnes*
  - Diphtheroids

#### b. Bacterial Diseases of Skin

- 1) Pyogenic infections:
  - Staphylococcus aureus*\*
  - Streptococcus pyogenes*\*
- 2) Acne:
  - Propionobacterium acne*\*
- 3) Burns:
  - Pseudomonas aeruginosa*\*\*
- 4) Lyme Disease:
  - Borellia burgdorferi*
- 5) RMSF:
  - Rickettsia sp*\*
- 6) Miscellaneous:
  - Anthrax: *Bacillus anthracis*

#### c. Viral Diseases of Skin

- 1) Herpes Viruses:
  - Cold sores: Herpes Simplex Virus\*
  - Chicken pox, Shingles: Varicella Zoster Virus\*
- 2) German measles:
  - Rubella Virus\*
- 3) Measles:
  - Rubeola Virus
- 4) Warts:
  - Papovavirus
- 5) Miscellaneous:
  - Smallpox: Poxvirus
  - Fifth Disease: Parvovirus

#### d. Fungal Diseases of the Skin:

- 1) Yeasts:
  - Candida albicans*
- 2) Fungi:
  - Dermatophytes

#### e. Ocular Infections

- 1) Ocular Gonorrhoea:
  - Neisseria gonorrhoea*\*
- 2) Conjunctivitis:
  - Staphylococcus sp*, *Streptococcus sp.*,
  - Neisseria sp.*, *Pseudomonas sp.*
- 3) Trachoma:
  - Chlamydia trachomatis*\*
- 4) Keratoconjunctivitis:
  - Herpes Virus
- 5) Onchocerciasis:
  - A roundworm

#### f. Wound Infections

- 1) Abscesses:
  - Staphylococcus sp.*, *Streptococcus sp.*, and others
- 2) Anaerobic wounds:
  - Clostridium perfringens*, *Clostridium tetani*
- 3) Miscellaneous:

