

V. Microbial Diseases (Session 8)

B. The Digestive System

a. Introduction

- 1) Anatomy and Physiology: Mouth to anus,
- 2) Immunity: Diffuse lymphoid tissue
- 3) Normal flora: Gram (-) rods, anaerobes*
- 4) Diseases and language

b. Bacterial Diseases: Upper GI

- 1) Dental carries:
Streptococcus mutans, and others
- 2) Peridontal disease:
Miscellaneous anaerobes
- 3) Stomach ulcers:
*Helicobacter pylori**
- 4) Food poisoning:
Staph. aureus *: Intoxications
Bacillus cereus

c. Viral Diseases: Upper GI

- 1) Mumps – Paramyxovirus
- 2) Herpes simplex I

d. Bacterial Diseases: Lower GI

- 1) Dysentery:
*Shigella dysenteriae**
- 2) Gastroenteritis:
E. coli **, (E-HITP-EC)
- 3) Gastroenteritis:
Salmonella sp.**: Infections
- 4) Typhoid fever:
*Salmonella typhi**
- 5) Gastroenteritis:
Campylobacter sp.*
- 5) Diarrhea:
Cholera, *Vibrio cholera**

e. Viral Diseases: Lower GI

- 1) Gastroenteritis
Rotaviruses*
Enteroviruses
Noroviruses
- 3) Hepatitis:
A - Infectious* (Fecal-Oral)
B – Serum** (Parenteral)
C – NANB** (Parenteral)
D - Delta (Parenteral)
E - Enteric (Fecal-Oral)

f. Fungal Diseases

- 1) Mycotoxicoses:
Aflatoxins
- 2) Yeasts:
Candida albicans
- 3) Mushrooms:
Amanita phalloides

g. Protozoal Diseases

- 1) *Giardia lamblia**
- 2) *Entamoeba histolytica*
- 3) *Cryptosporidium* sp.

h. Multicellular Parasites

Nematodes, Tape worms, Flukes, etc.