

# Functional Physiology, Dysfunctions, and Assessments of the G.I. and Gallbladder – a 3-part Webinar Series

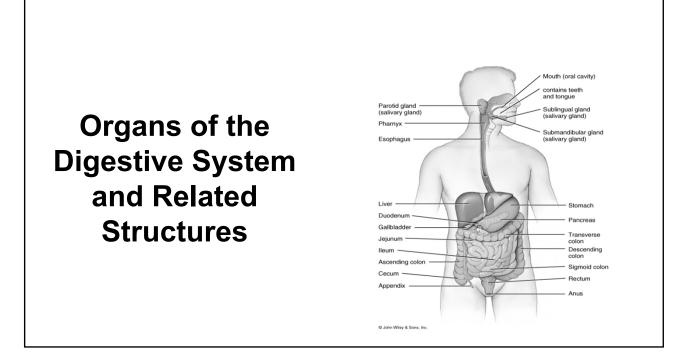
The Functional Diagnosis Webinars With DR. DICKEN WEATHERBY Creator of the Blood Chemistry Software

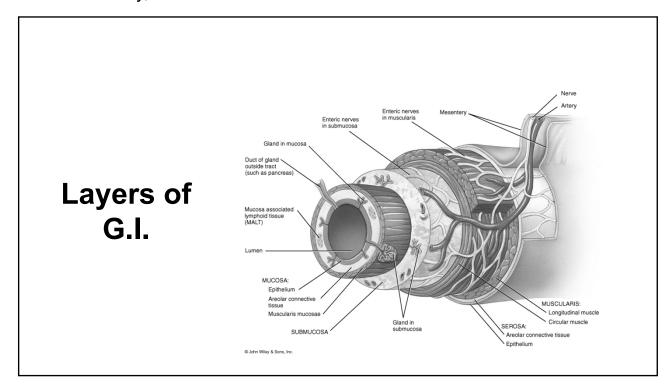
## Functional Physiology of the G.I. & Biliary System

Digestion, Absorption, and Excretion

Functional Physiology of the GI Dicken Weatherby, N.D.

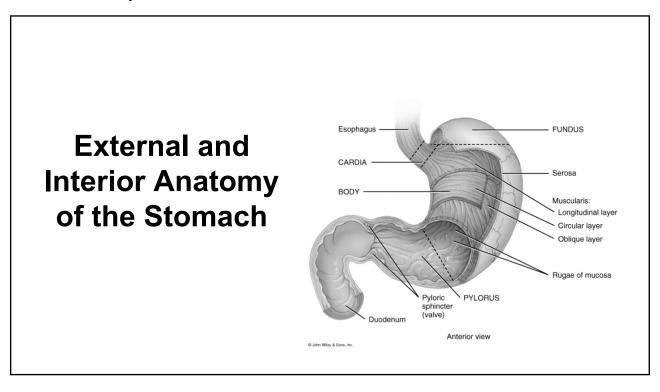
## **Digestion**

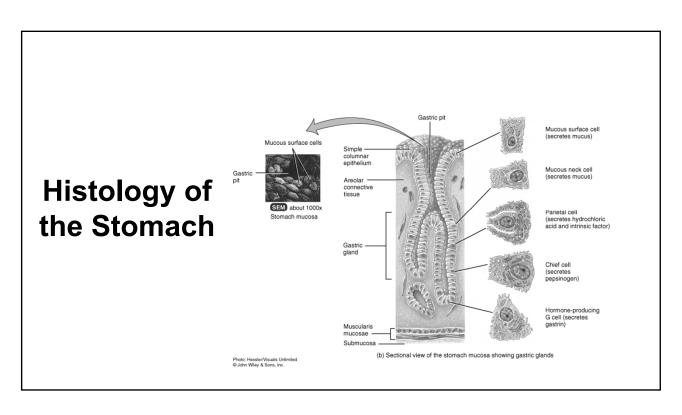


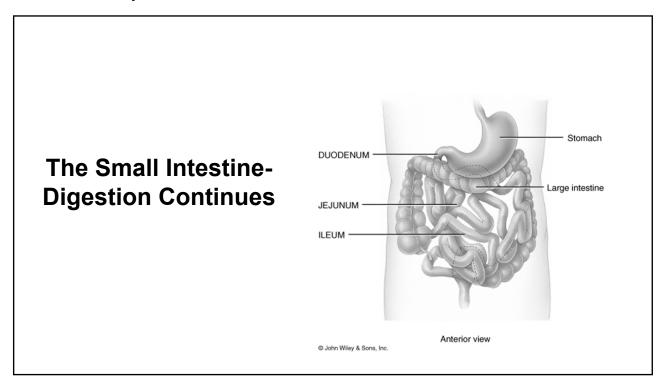


#### **G.I. Terminology**

- **Digestion** breakdown of macronutrients
- **Absorption** movement of digested particles across intestinal mucosa
- Transportation/Assimilation assimilated into blood stream and distributed around the body
- Utilization movement from blood into the cell





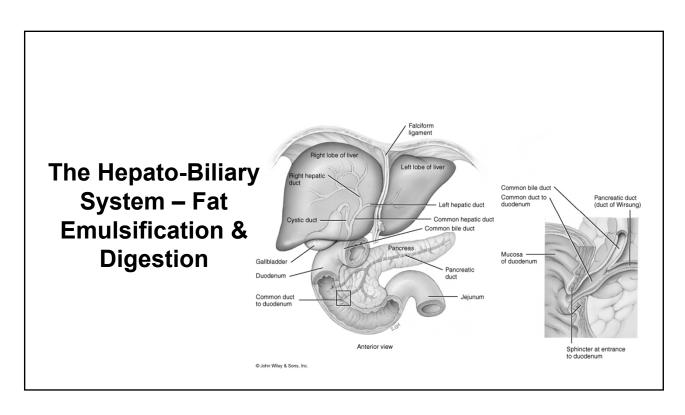


#### **Pancreatic Enzyme Secretion**

- ■Proteolytic Enzymes
- Carbohydrate digestion
- Fat digestion

#### **Regulation of Pancreatic Secretions**

- Secretin
- Bicarbonate
- Cholecystokinin



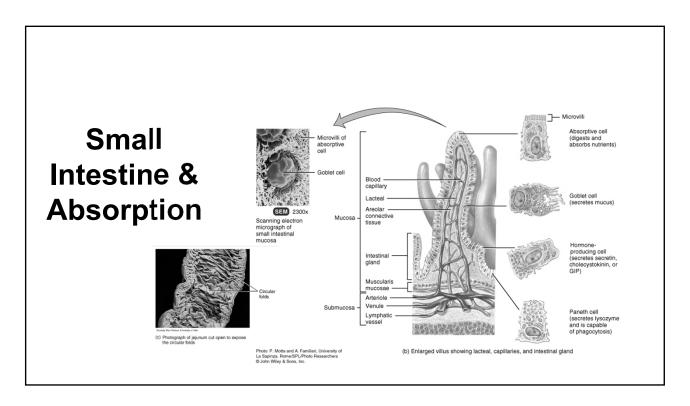
#### **Functions of Bile**

- 1. Fat digestion and emulsification
- 2.Excretion
- 3. Regulation of bile secretion

#### The Role of CCK

- Inhibits gastric emptying
- Stimulates secretion of pancreatic juices
- Induces a feeling of satiety
- Causes the gallbladder to ejecting bile into the small intestine

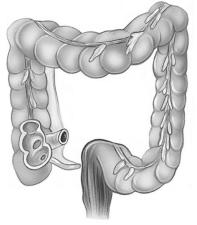
### **Absorption**



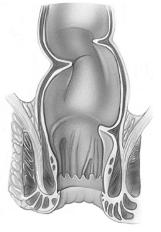
#### The Physiology of Gut Flora

- ■Functions of GI Flora
- ■Types of flora: Lactobacillus acidophilus and bifidobacteria
- ■The origin of flora
- ■Beneficial effects

# Anatomy of the Large Intestine







(b) Frontal section of anal canal

