Note to Participants: There are interactive pop-up questions throughout this lecture. If you choose to pause the lecture and return at a later time, a natural break time would be after answering the interactive questions. (You are able to pause at any time and the presentation will “remember” where you were. It’s just a more natural time to pause after the interactive questions.) For your convenience, this outline reflects where/when within the lecture the interactive questions occur.

This lecture is 164 slides and 252 minutes in duration.

I. Introduction
   A. Incidence of esophageal dysphagia
   B. The three phases of the swallow
   C. Review of anatomy and function
   D. Etiology of esophageal symptoms

Interactive Questions – slide 18 @ 25 minutes

II. Common upper digestive disorders of older adults
   A. Motility disorders
      1. Diverticula
      2. Hiatal hernia
      3. Paraesophageal hernia
      4. Achalasia
      5. Diffuse esophageal spasm
      6. Non-peristaltic/hypotensive contractions
      7. Hypertensive/Hyper-contracting esophagus and LES
      8. Hypo– and hypermotility

Interactive Questions – slide 53 @ 66 minutes

   B. Mechanical obstructions
      1. Benign
         a. Strictures
            i. Rings
            ii. Webs
         b. Benign tumors
         c. Impaction
         d. Gastroesophageal reflux disease (GERD)
         e. Bariatric surgeries
            i. Types
            ii. Complications
         f. Barrett’s esophagus
      2. Malignant
         a. Squamous cell carcinoma
         b. Adenocarcinoma
Interactive Questions – slide 89 @ 115 minutes

C. Mucosal inflammation
   1. Radiation esophagitis
   2. Infections esophagitis/Candida (yeast)
   3. Pill-induced ulcers

D. Diagnostic studies
   1. Modified barium swallow
   2. Fiberoptic endoscopic evaluation of swallow
   3. Barium esophagram
   4. Endoscopy and esophagogastrscopy
   5. Continuous pH monitoring
   6. Esophageal manometry
   7. Esophageal impedance

Interactive Questions – slide 111 @ 142 minutes

III. Pharmacological treatment options

A. Reflux
   1. Antacids
   2. Proton-pump inhibitors
   3. H2 blockers
   4. Negative effects of treatments

B. Motility
   1. Vasodilators
   2. Anticholinergics
   3. Benzodiazepines
   4. Antidepressants
   5. Botox
   6. Prokinetic drugs
   7. Anti-achalasia medications

C. Inflammation

D. Medications that promote esophageal dysfunction
   1. Reflux
   2. Dry mouth
   3. Biphosphonates
   4. Other negative effects
   5. Treatment options

Interactive Questions – slide 133 @ 184 minutes

IV. Conditions of the stomach

A. Gastritis
B. Gastroparesis
C. Non-ulcer dyspepsia
D. Gastric ulcers
E. Gastric cancer

V. The lower digestive system

A. Review of anatomy
B. Common disorders
   1. Constipation
   2. Diarrhea
   3. Clostridium difficile
4. Diverticulosis and diverticulitis
5. Inflammatory bowel disease
6. Gastrointestinal cancers
7. Other

Interactive Questions – slide 159 @ 242 minutes

VI. Conclusion