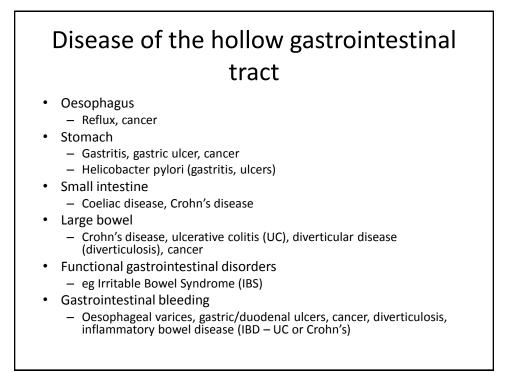


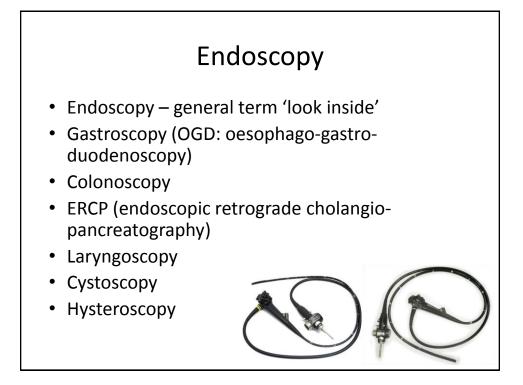


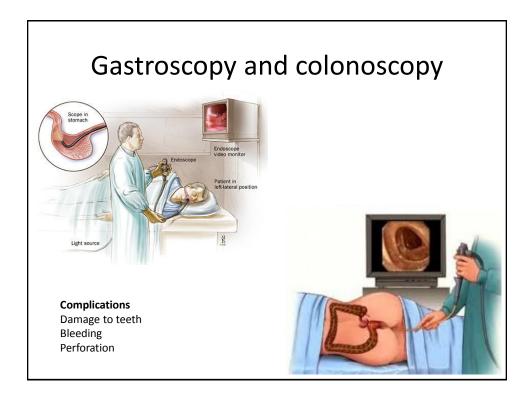
- Digestion
  - Mechanical: mastication, stomach
  - Chemical: enzymes in saliva, stomach and small intestine, pancreas break down large molecules into small molecules preparatory to ...
- Absorption
  - Fat (triglycerides) into fatty acids and glycerol
  - Carbohydrate (starch) into glucose etc
  - Proteins into amino acids
- Nutrients absorbed in small intestine
- Water absorbed by colon

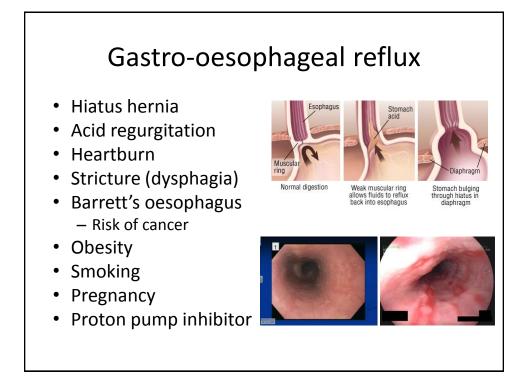


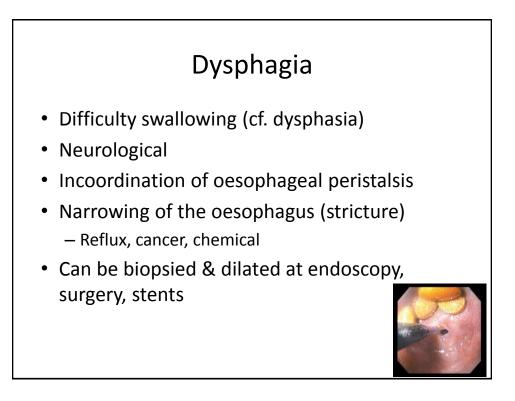
## Limited spectrum of GI symptoms

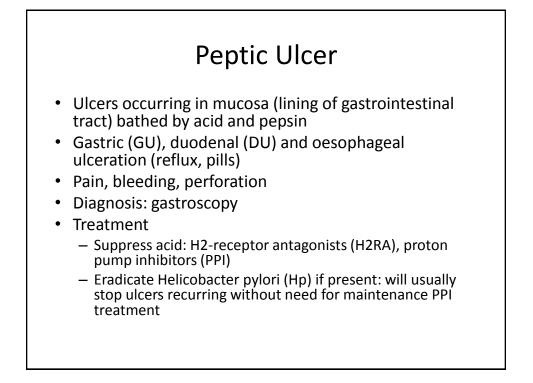
- Loss of appetite
- Loss of weight
- Nausea, vomiting
- Change of bowel habit
  - Constipation, diarrhoea, alternating
- Abdominal pain
  - Site, character
- Bleeding
  - Haematemesis
  - Melaena
  - Rectal bleeding

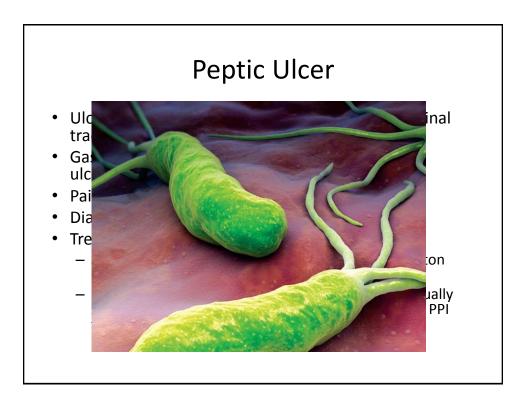


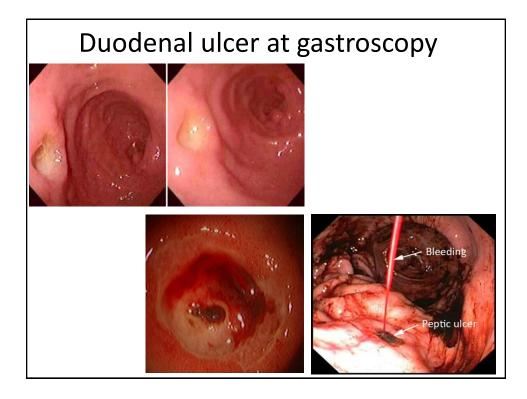


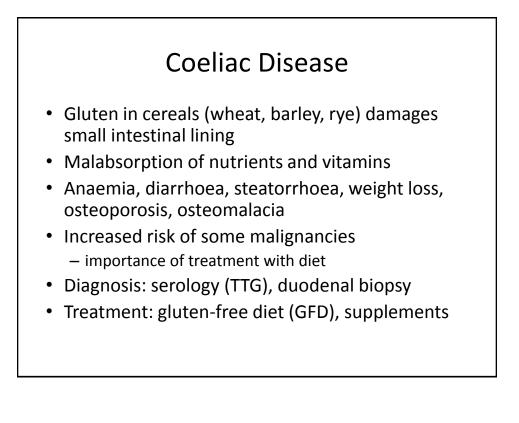


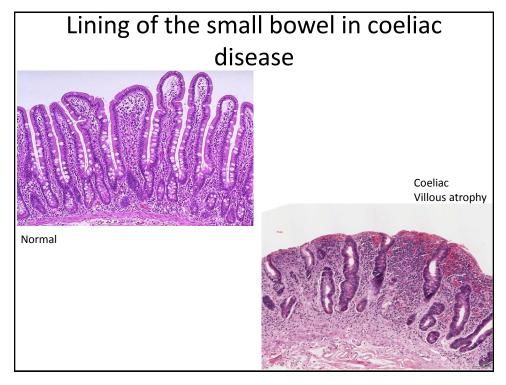


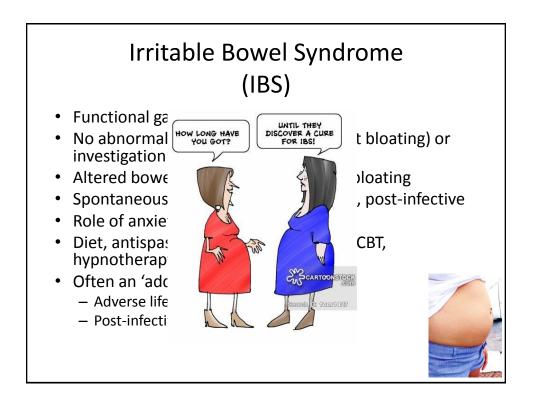


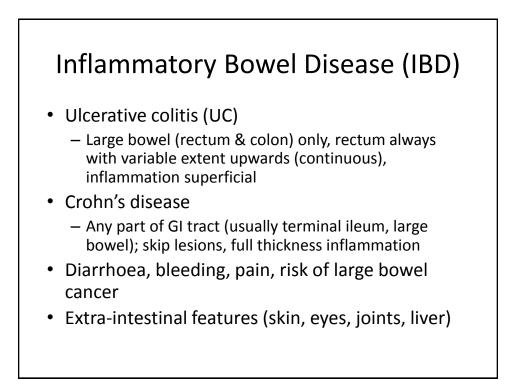






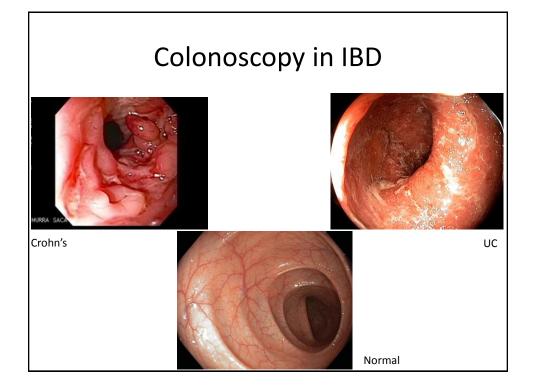






## Inflammatory Bowel Disease (IBD)

- Diagnosis
  - Colonoscopy and biopsy
  - MR scan of small bowel, CT colonography, Barium x-rays
- Treatment
  - Steroids, 5-ASA compounds, azathioprine etc, biologic agents (monoclonal antibodies against TNF-α) eg Infliximab, Adalimumab
- Surgery



## Diverticular Disease Diverticulosis

- Out-pouching of the colonic lining
- Middle to old age
- Western societies. Lack of dietary fibre
- Pain, change in bowel habit
- Diverticulitis: infection, abscess (left sided appendicitis)
- High fibre diet, antispasmodics, antibiotics, surgery

