

GI Pathology Lab

Dr Heyam

FOR THE LAB EXAM

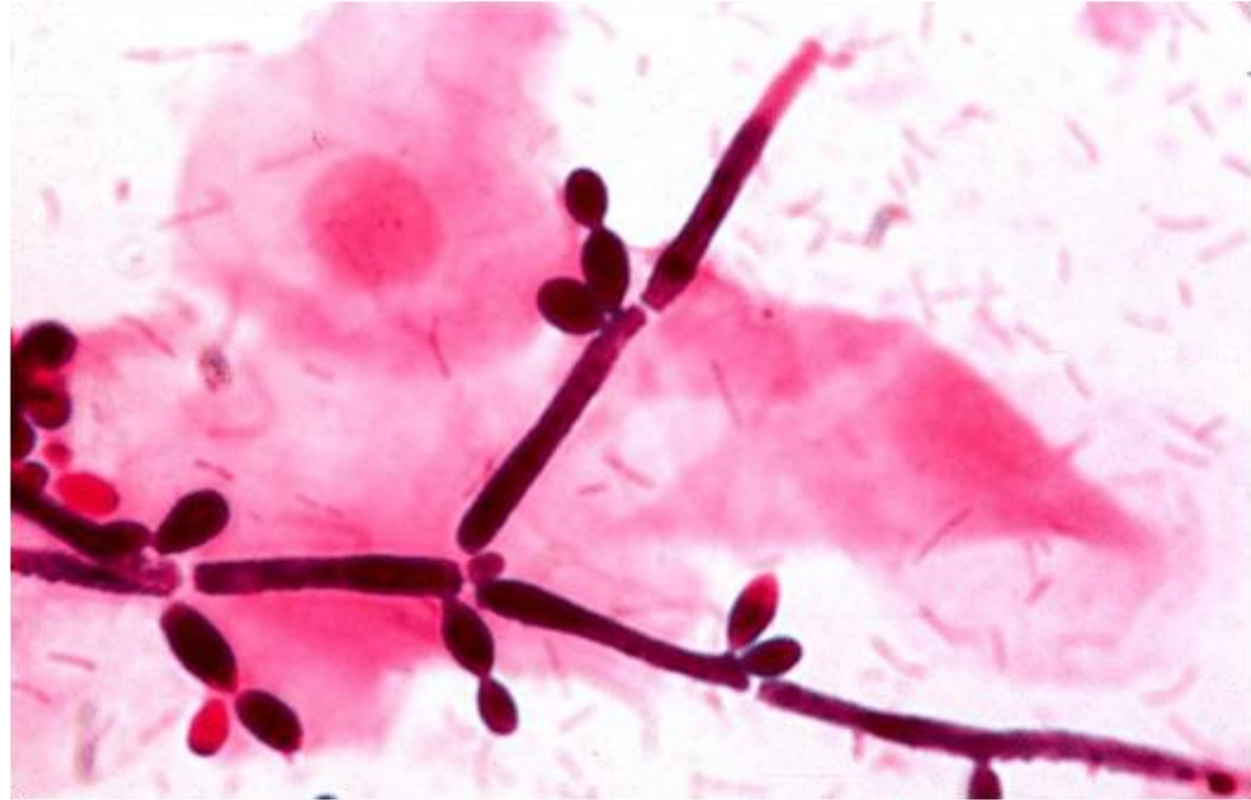
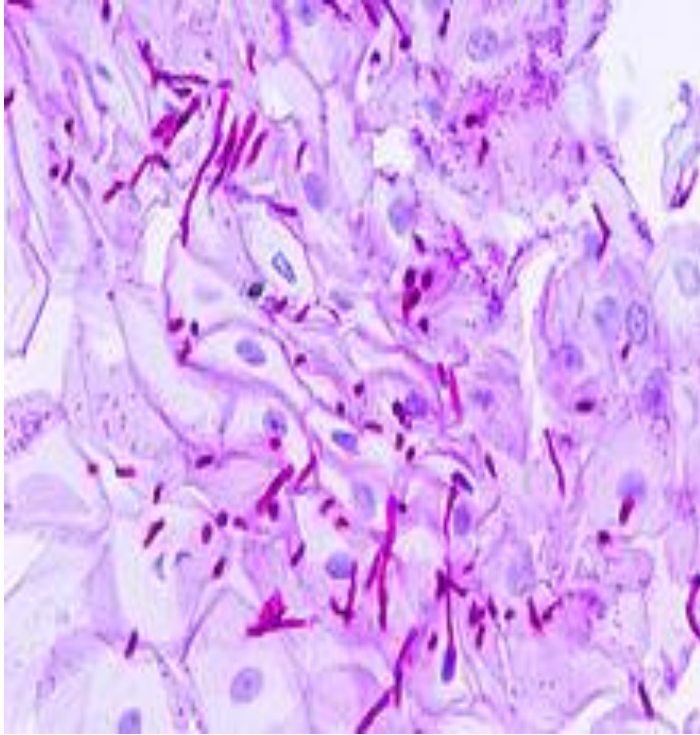
I have one question in the exam

It will be one of the pictures in this presentation

The question might be related to the theory part (INCLUDED WITH THIS PRESENTATION)



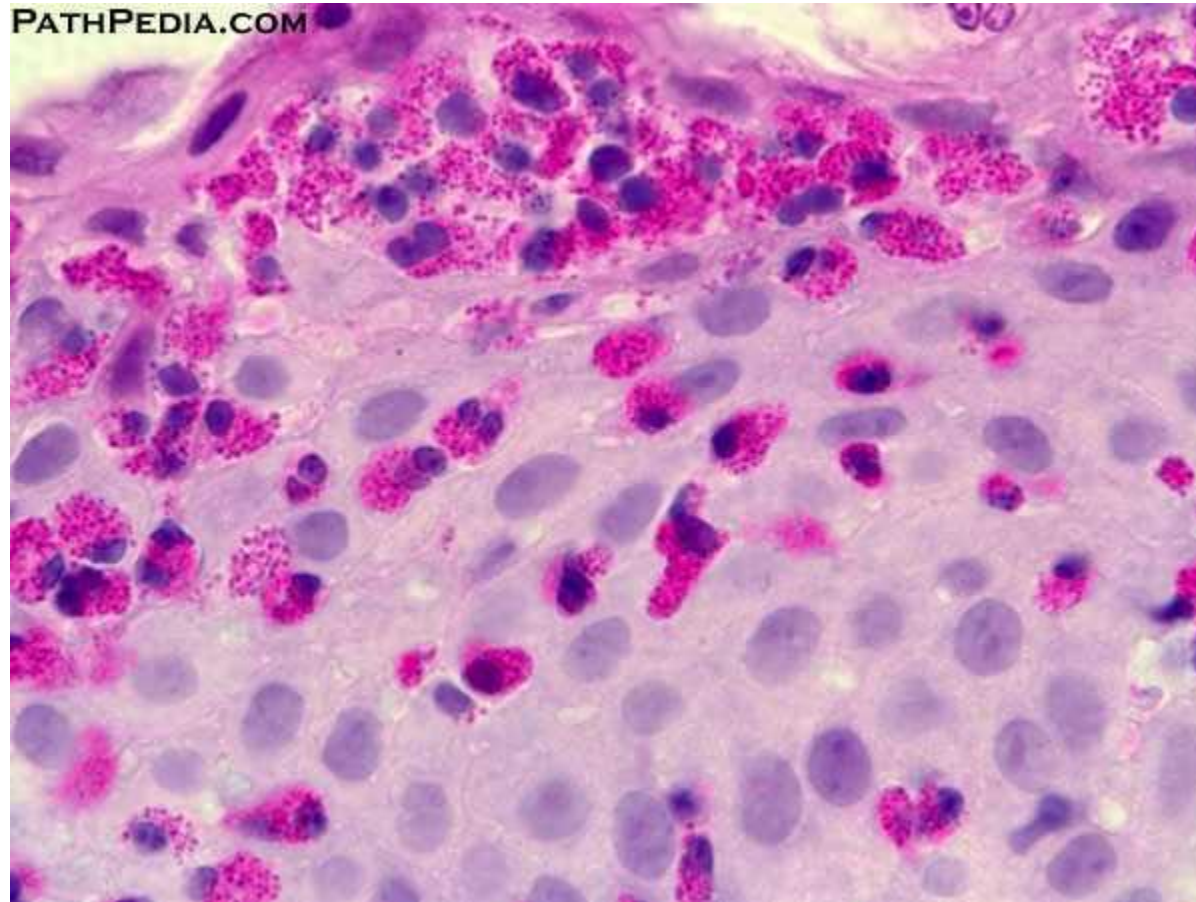
candida



CANDIDA

- Fungal infection that can affect esophagus
- Causes a pseudomembrane
- Can cause ulcer

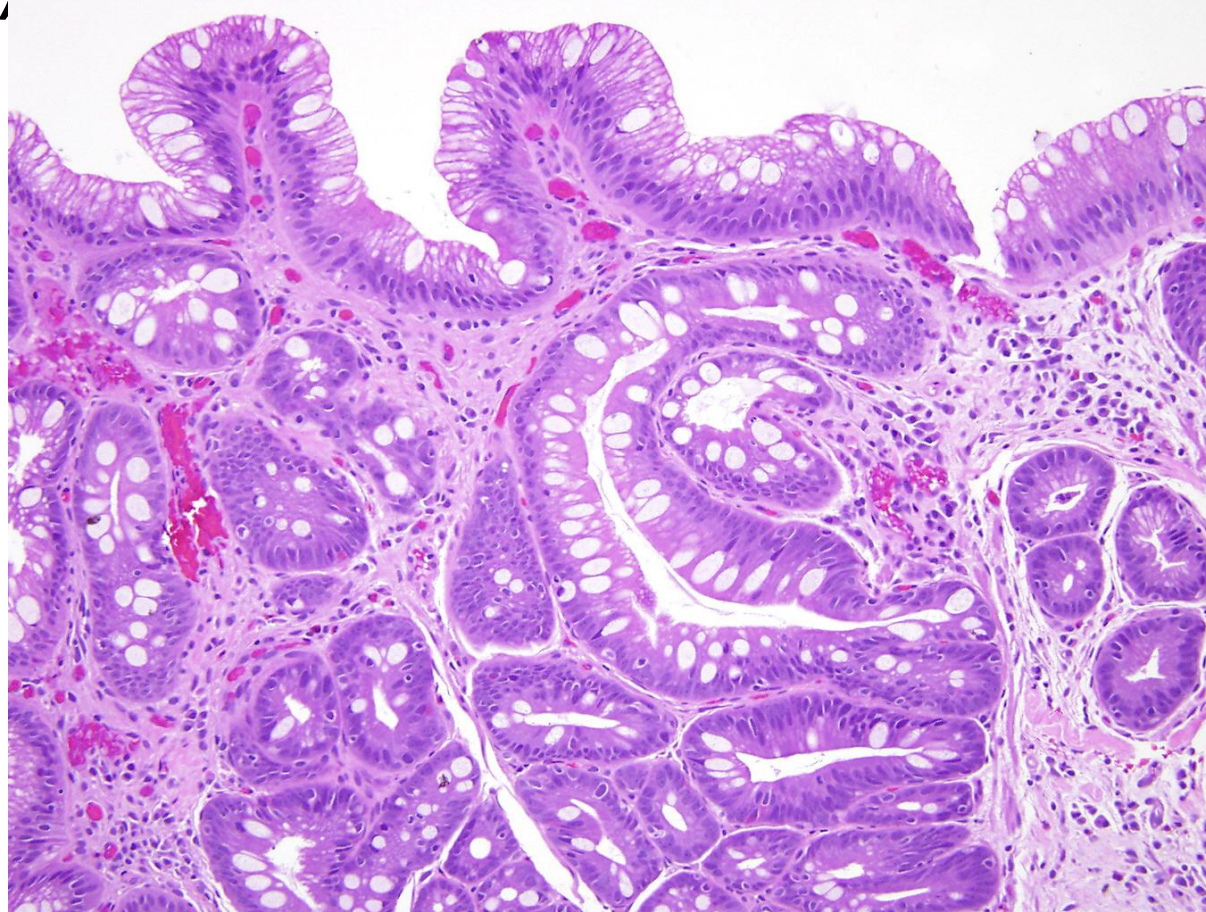
Eosinophilic esophagitis



Eosinophilic esophagitis

- Incidence of eosinophilic gastritis is increasing.
- Symptoms: food impaction and dysphagia .
- Histology: infiltration by numerous eosinophils.
- The majority of patients are atopic and have other allergic diseases like atopic dermatitis, allergic rhinitis, asthma
- Treatment: 1. dietary restriction of food allergens like milk and soy products. 2. steroids
- Note: these patients do not respond to proton pump inhibitors which are used in reflux esophagitis.

Barrett mucosa note the goblet cells (mucus secreting cells with white vacuoles)



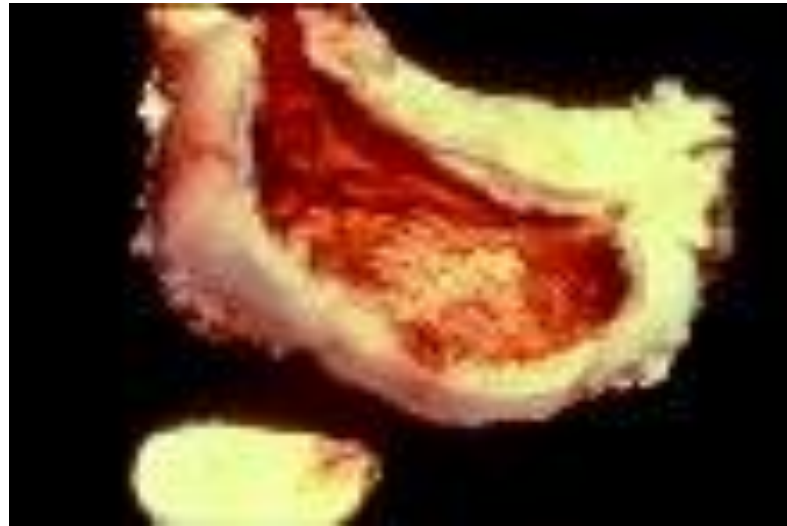
Barrett esophagus

- It is a complication of gastroesophageal reflux (GERD)
- = intestinal metaplasia of the esophageal squamous mucosa
- 10% of people with symptomatic GERD have Barrett esophagus
- Males are affected more than females
- Increased risk of esophageal malignancy (adenocarcinoma)
- Dysplasia can occur in Barrett (around 1% of cases).

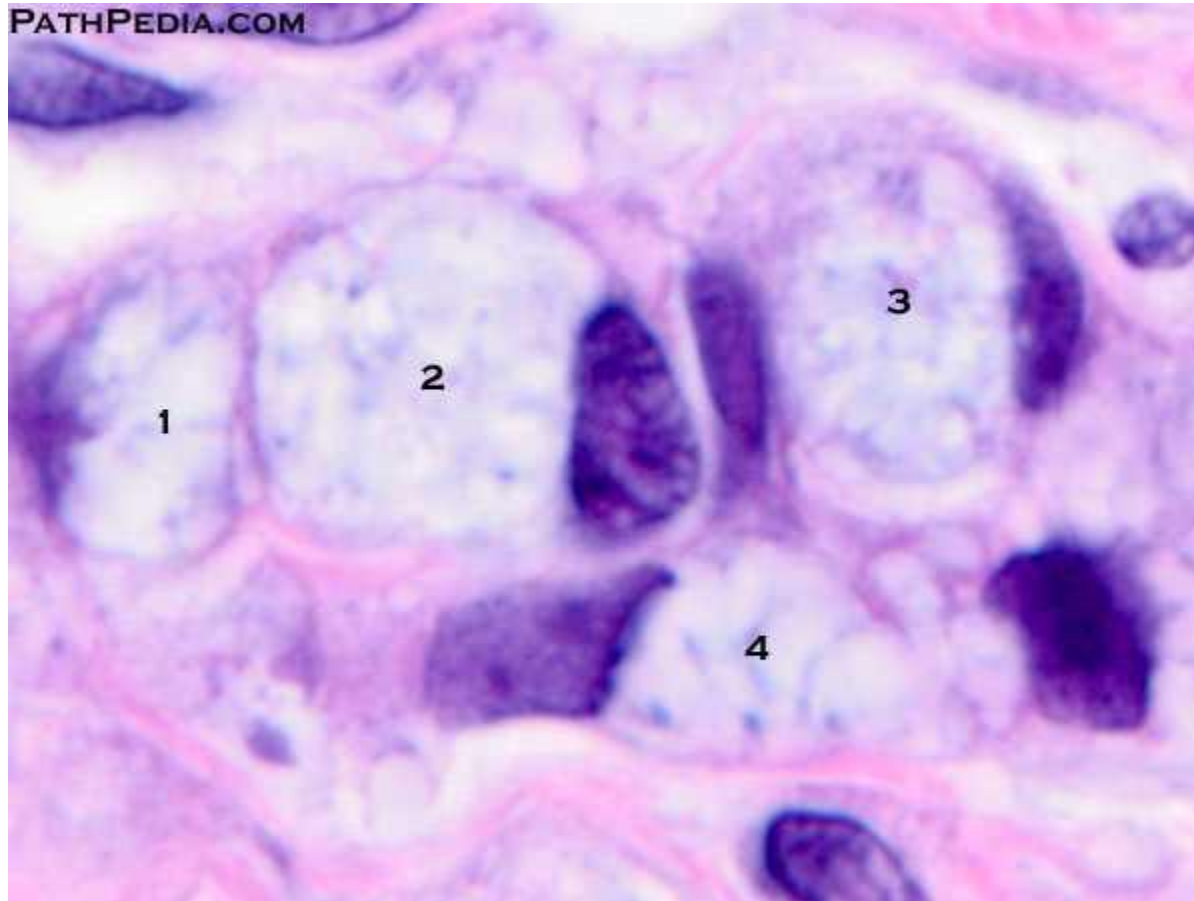
Morphology of Barrett mucosa

- Endoscopy: tongues or patches of red mucosa extending upwards from the gastroesophageal junction
- Note: normal esophageal mucosa appears pale in color.
- Histology: gastric or intestinal metaplasia (so the normal squamous epithelium is replaced by gastric or intestinal type mucosa)

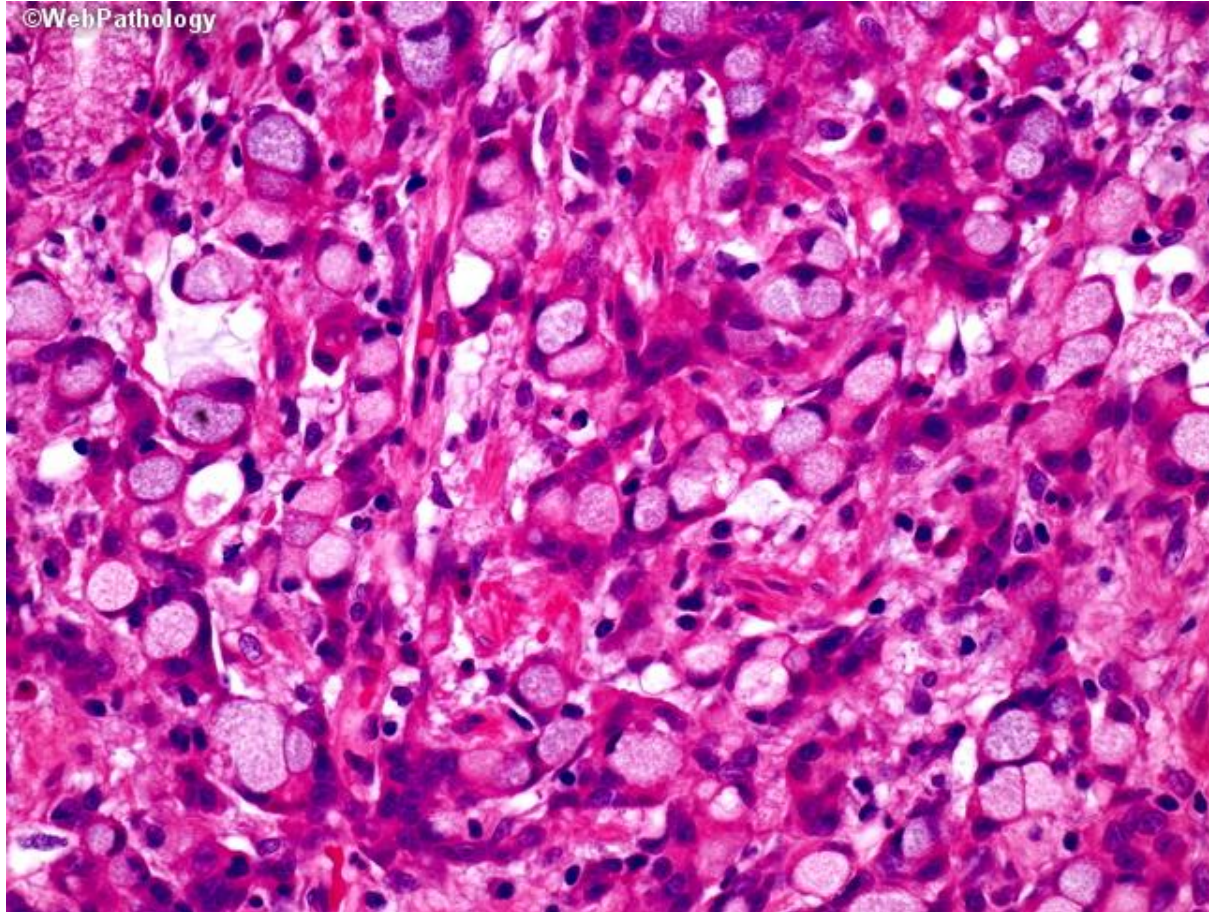
Diffuse carcinoma of the stomach(signet ring carcinoma)... lenitis plastic picture; the wall is **thick**



Signet ring cells in diffuse gastric carcinoma..
Nucleus pushed to one side (to the periphery)
by the mucin in the cytoplasm



Diffuse, signet ring carcinoma



Gastric adenocarcinoma.. Diffuse type

Diffuse type

- Incidence is uniform across countries
- No known pre-cancer lesion
- Male: female 1:1