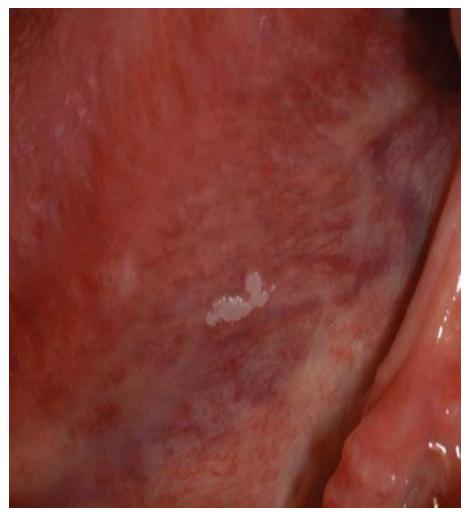
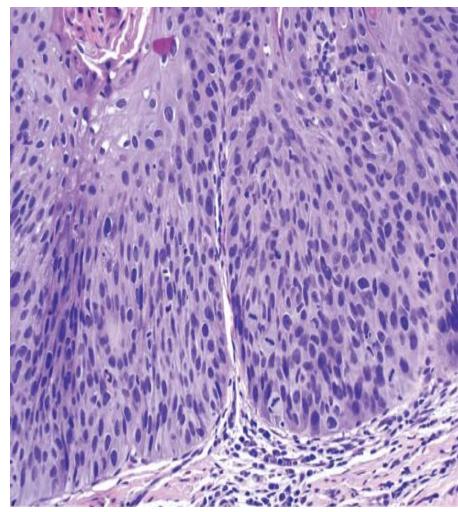
Leukoplakia



Leukoplacia



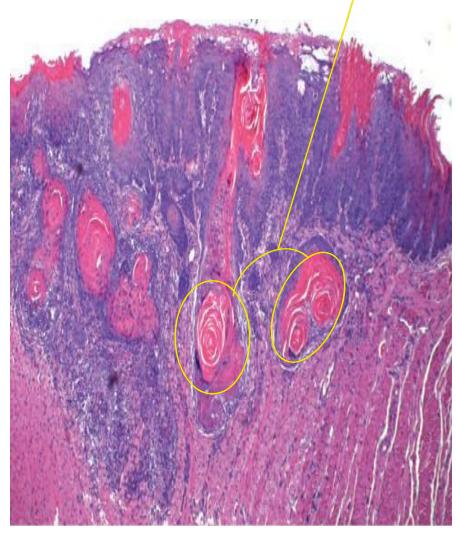
High Grade Displasia

Squamous Cell Carcinoma





white

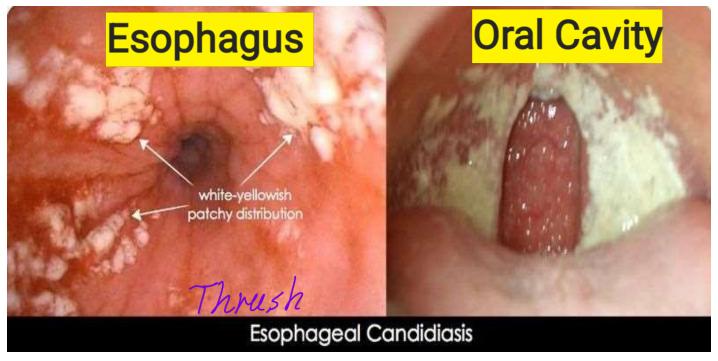


Keratine

Sojumous Cell Carsinoma

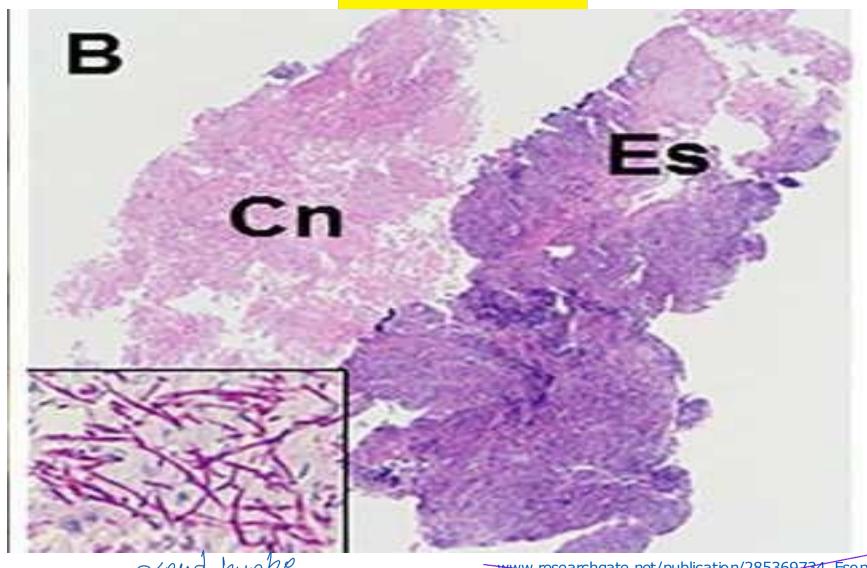


- Candidiasis:
- Adherent.
- Gray-white pseudomembranes
- Composed of matted fungal hyphae and inflammatory cells

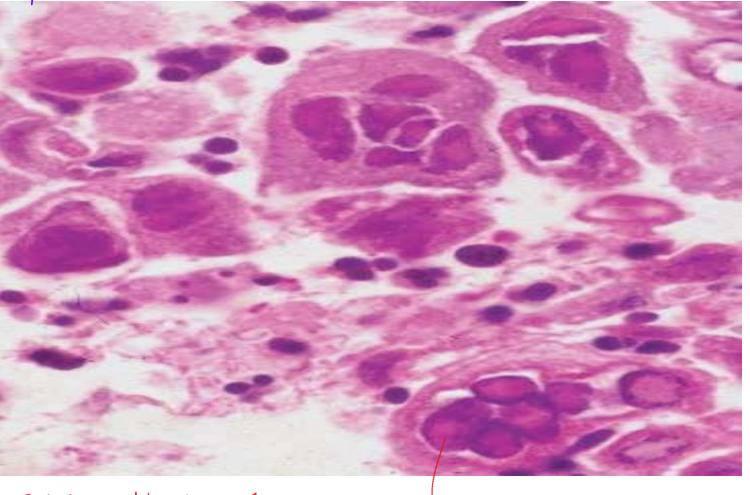


https://www.pinterest.com/pin/374291419013418659/

Candidiasis



www.researchgate.net/publication/285369734_Esop hageal_Candidiasis_as_the_Initial_Manifestation_of_ Acute_Myeloid_Leukemia 1) Giant Cell 2) HSV-1 3) Inter Nuclear viral Inclusion Herpes Simplex Virus 4) Eosinophilia



GIT مال في كلم مكان في الله

Robbins Basic Pathology 10th edition

— Z inclusions

CMV:

Shallower ulcerations.

Biopsy: <u>nuclear and cytoplasmic inclusions</u> in capillary endothelium and stromal cells

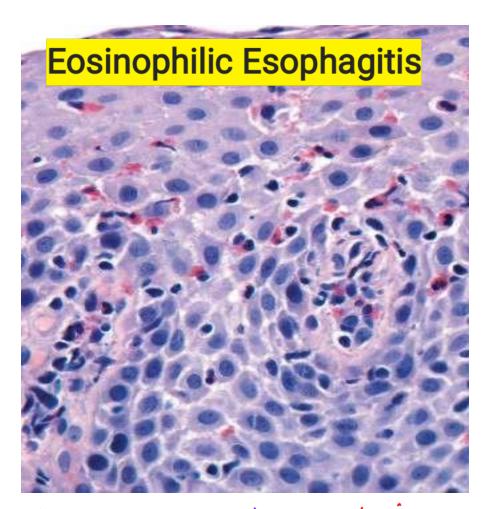
Robbins Basic Pathology 10th edition

Indicate Normal Cell

> Giant Cell

Cytoplasmic Inclusion

Reflux ... with e yeight



Eosinophilic Esophagitis

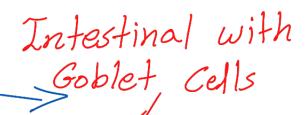
1-) Fosinophile

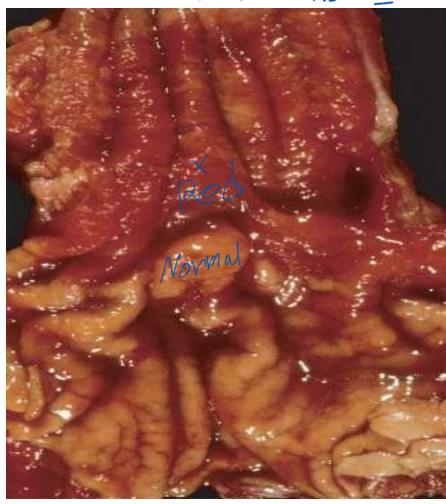
2-) Spongiosis.

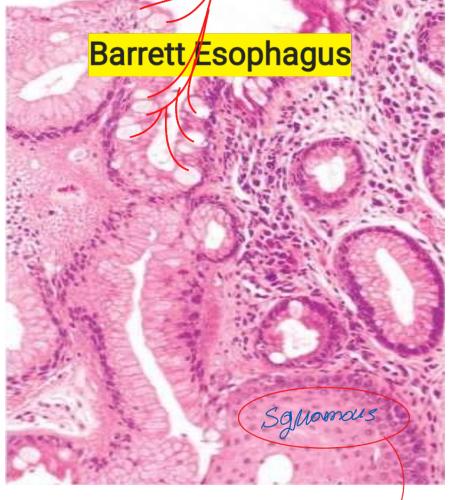
Ring like / Trachea like
Robbins Basic Pathology 10th edition

Somplete

"Goblet Cells" dus

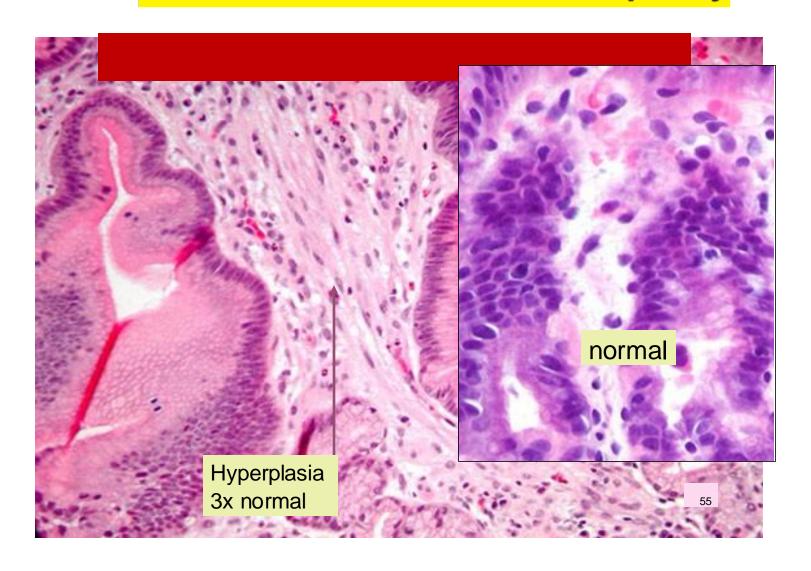




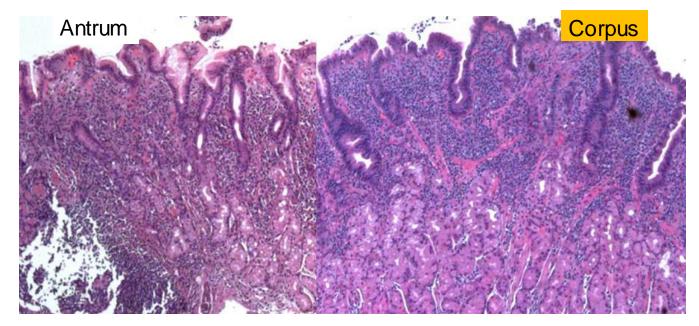


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Reactive Chemical Gastropathy



And later H. Pylori Gastritis



Pan-Gastritis with deeper inflammation in! corpus

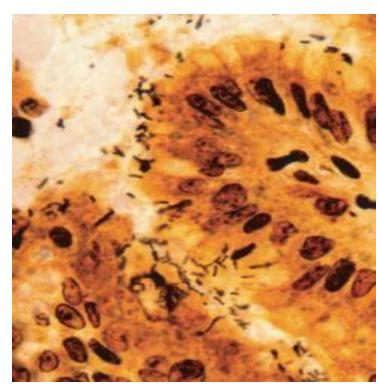
ilide

I is j misser

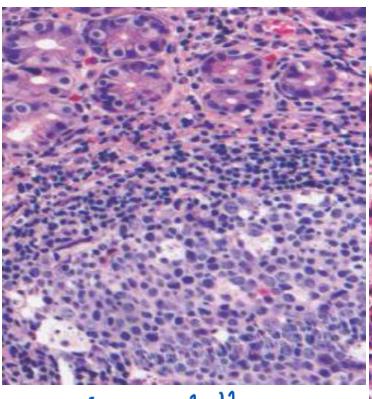
Sonser

Sonser

Gastritis



Manfin Stoin Sin wardin 22

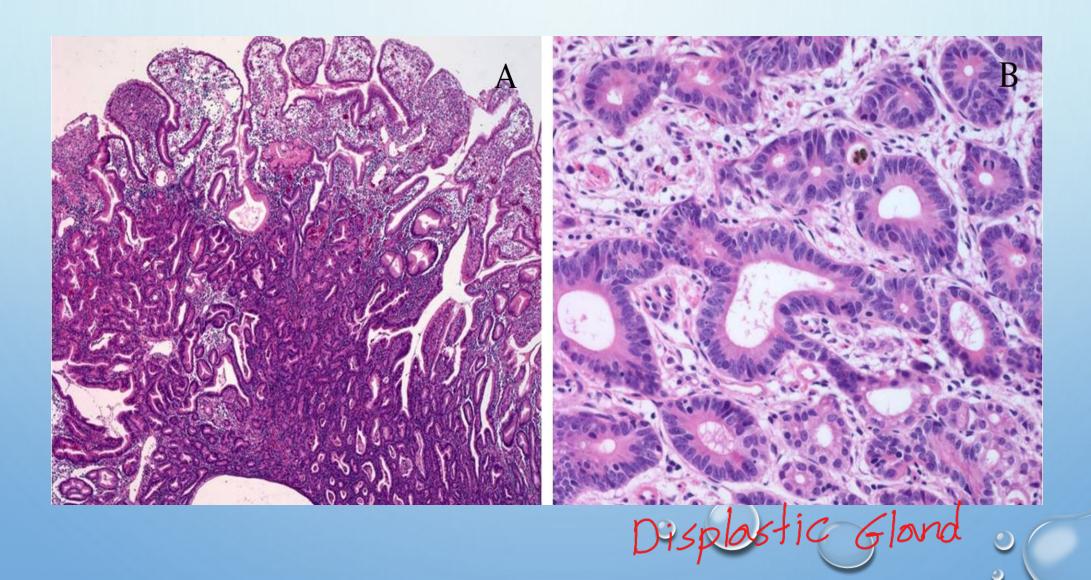


Fosinophills



Robbins Basic Pathology 10th edition

GASTRIC ADENOMA



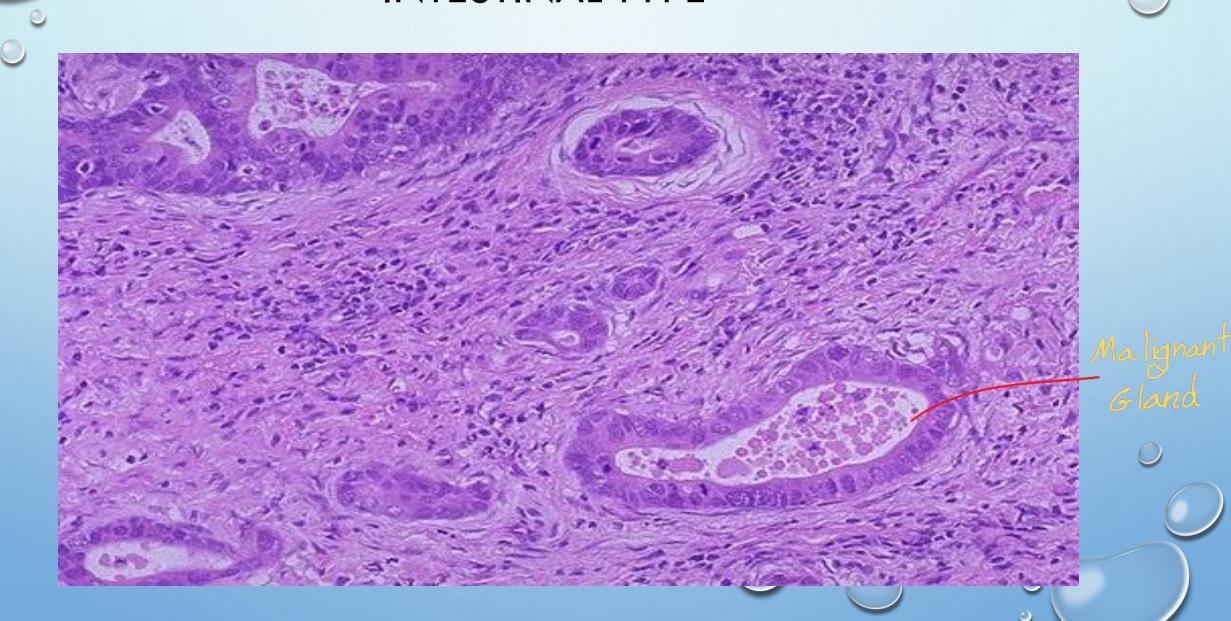
Elderly

Mass her elien rights

INTESTINAL TYPE



INTESTINAL TYPE



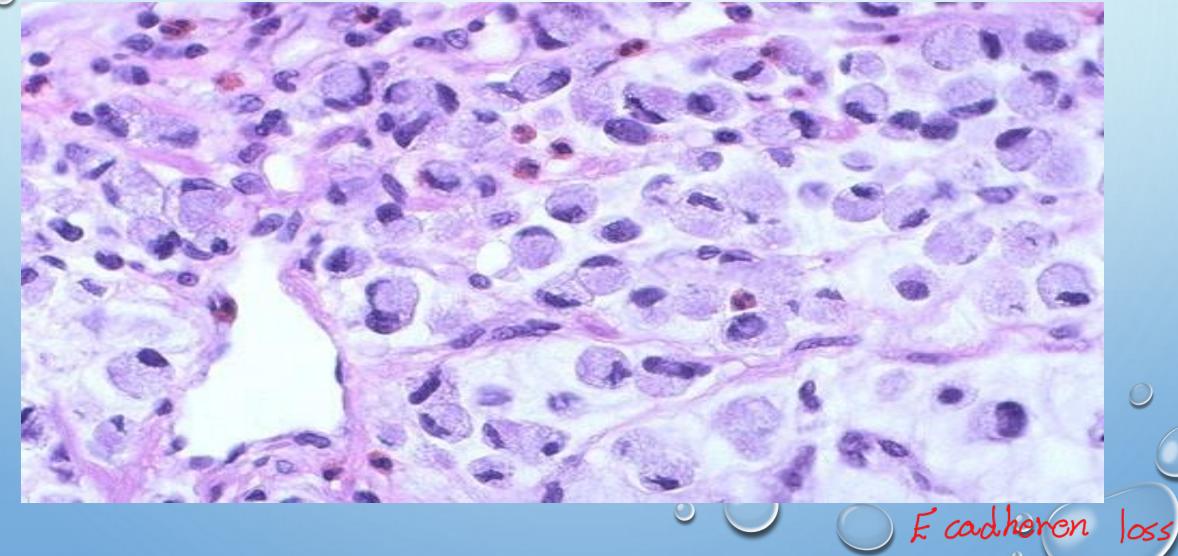
Massames o

LINITIS PLASTICA

line Tilly



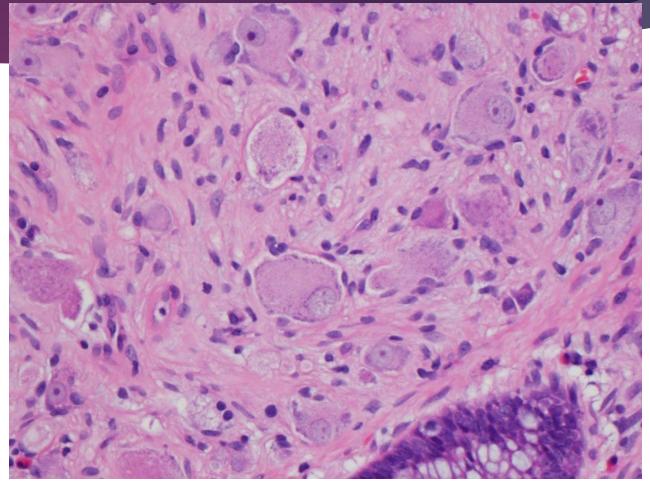
DIFFUSE TYPE, SIGNET RING CELLS precursor



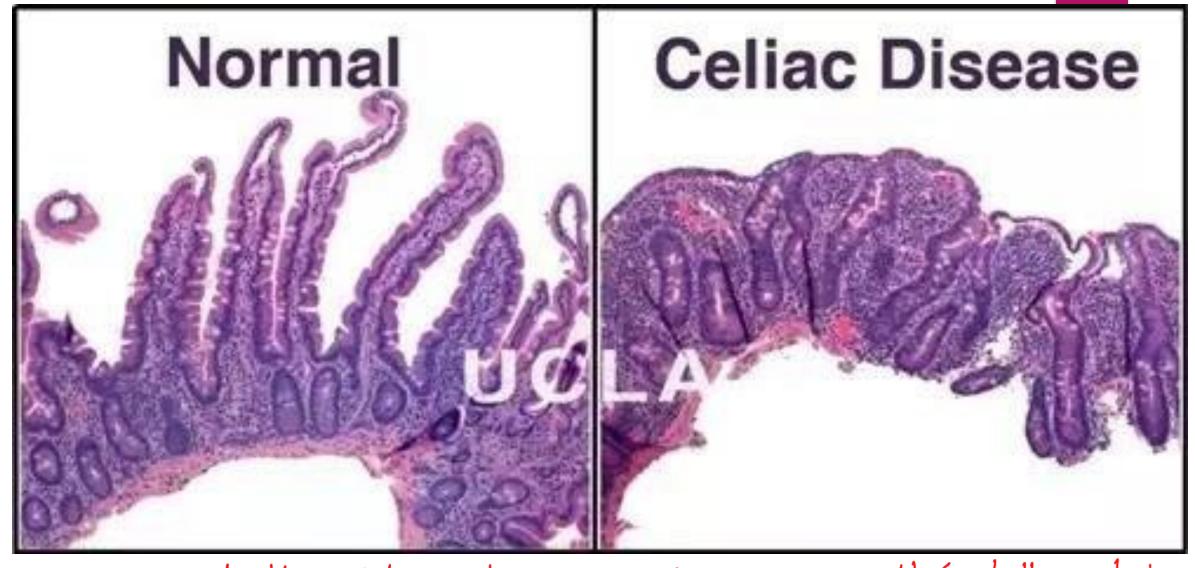
Islands, trabeculae, strands, glands, or sheets of uniform cells with scant, pink granular cytoplasm and salt and pepper chromatin.

ganglion cells

Large
Abundant Cytoplasm
Eccentric Neucleus







Count the Enterocyte
Every 100 cell, CD's Must be
less than twenty

flat villi Atrophic villi 1.) Crypt Hyperplasia.
2.) flattend.

Dermatitis herpetiformis.

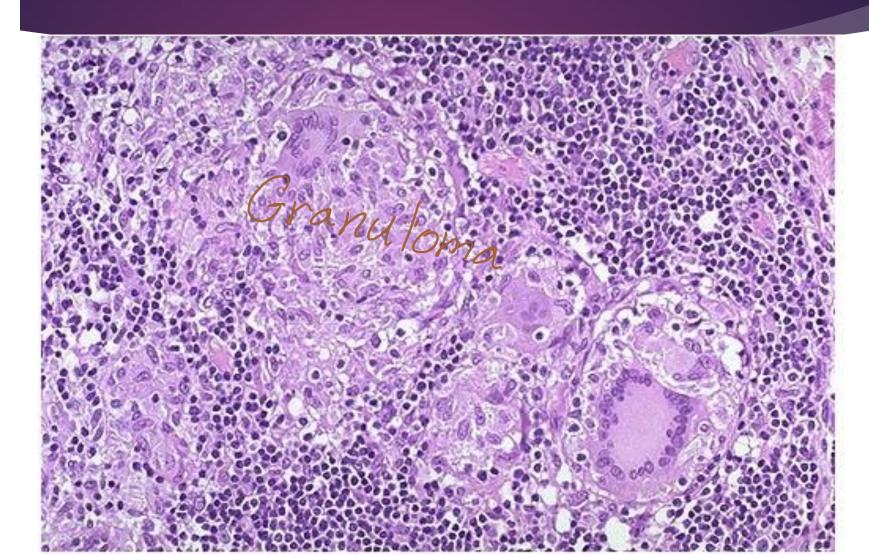


كساسيّة

Transmural inflammation.

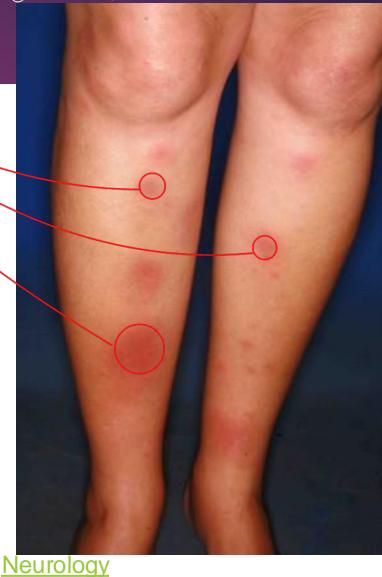


Crohns Disease Non-caseating granuloma.



Erythema nodosum

Extra intestinal Manefestation of Crohns Disease



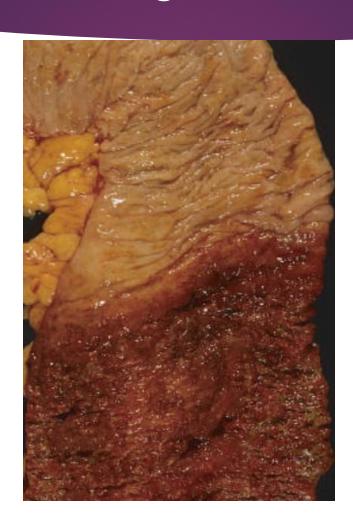
کذکیر بسیط, بتختلف حنہ جورع کا Celiac D. کا تحدیم

Crypt abcesses.

Active IBD



Abrupt transition b/w normal and disease segment.

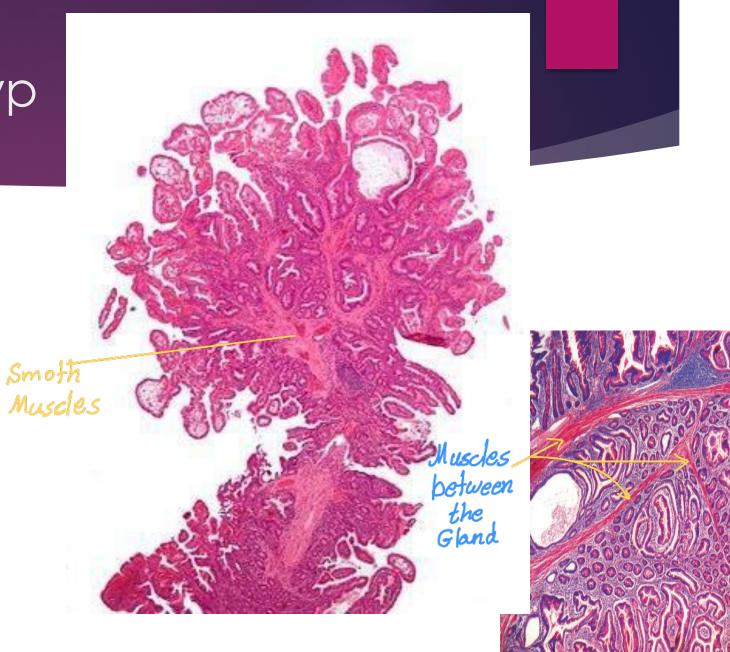


Peutz-Jeghers polyp

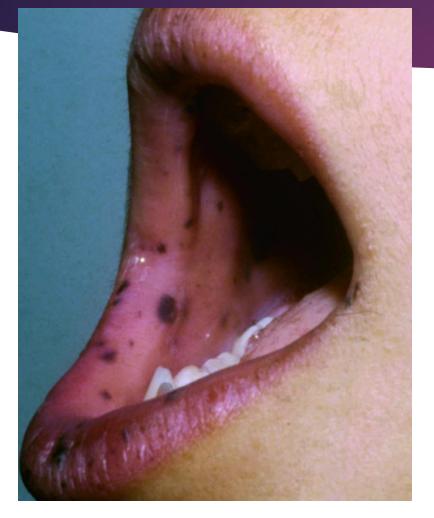
Large.

Arborizing network of connective tissue, smooth muscle, lamina propria

- Glands lined by normal-appearing intestinal epithelium
- Christmas tree pattern.



Mucocutaneous pigmentation









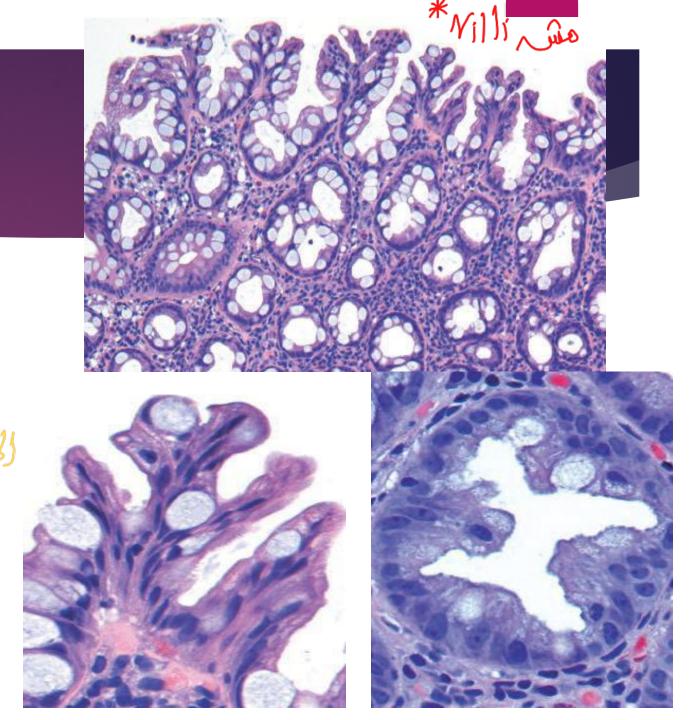


Hyperplastic polyp

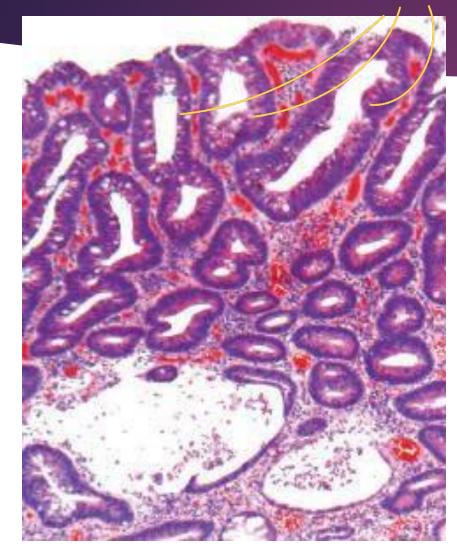
Benign

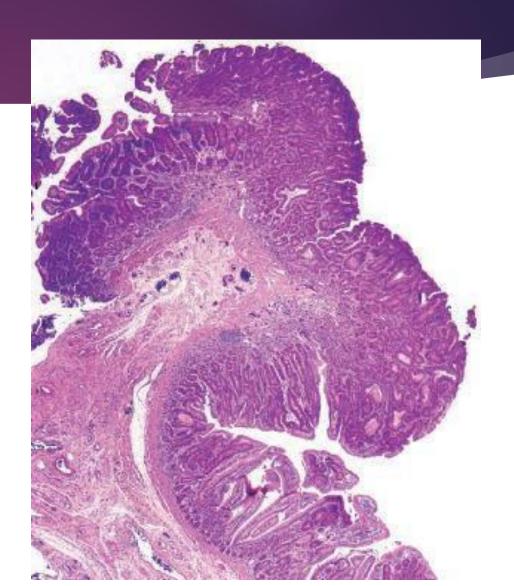
- Left colon
- Rectosigmoid.
- ▶ Small < 5 mm</p>
- Multiple

Crowding of goblet & absorptive cells.



Tubular adenoma





Villous adenoma

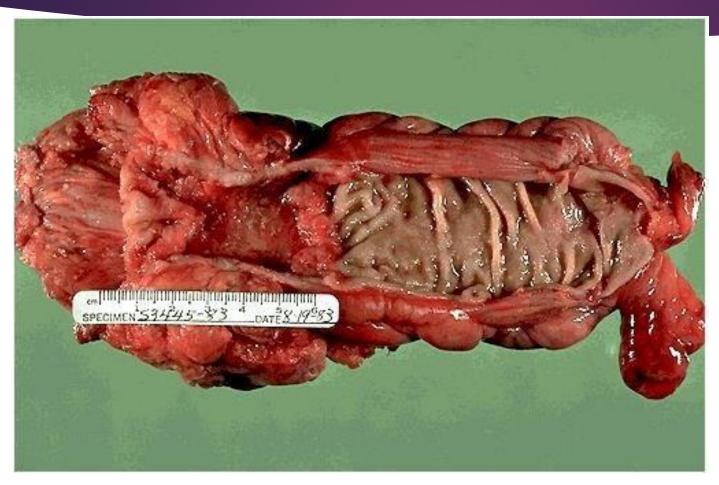


Cecal polyps in HNPCC.



Polypsys Jag losse

Rectosigmoid adenocarcinoma, napkin ring

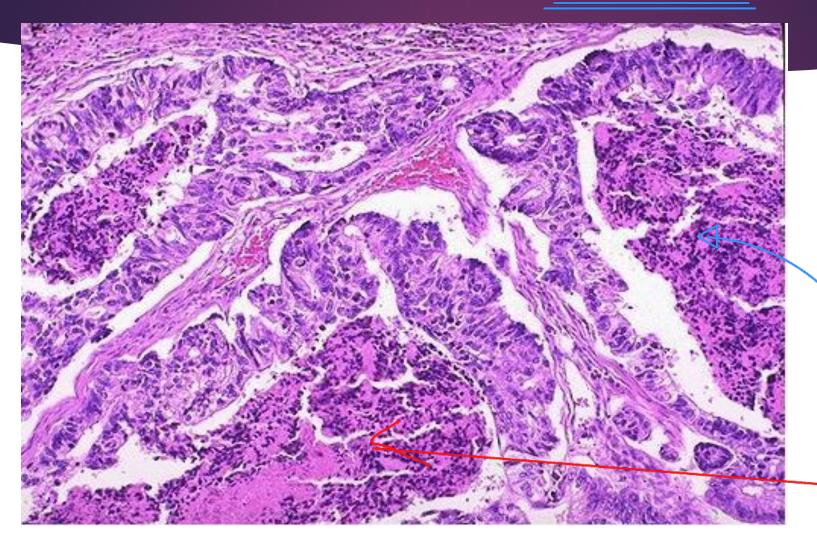


Cef colon Conser

oluzents dingento

Adenocarcinoma with necrosis

Colo rectal



perty Background

Necrosis

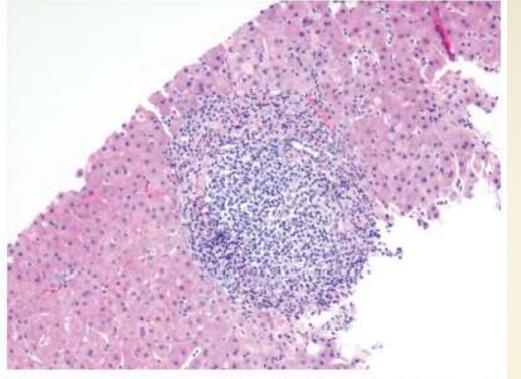


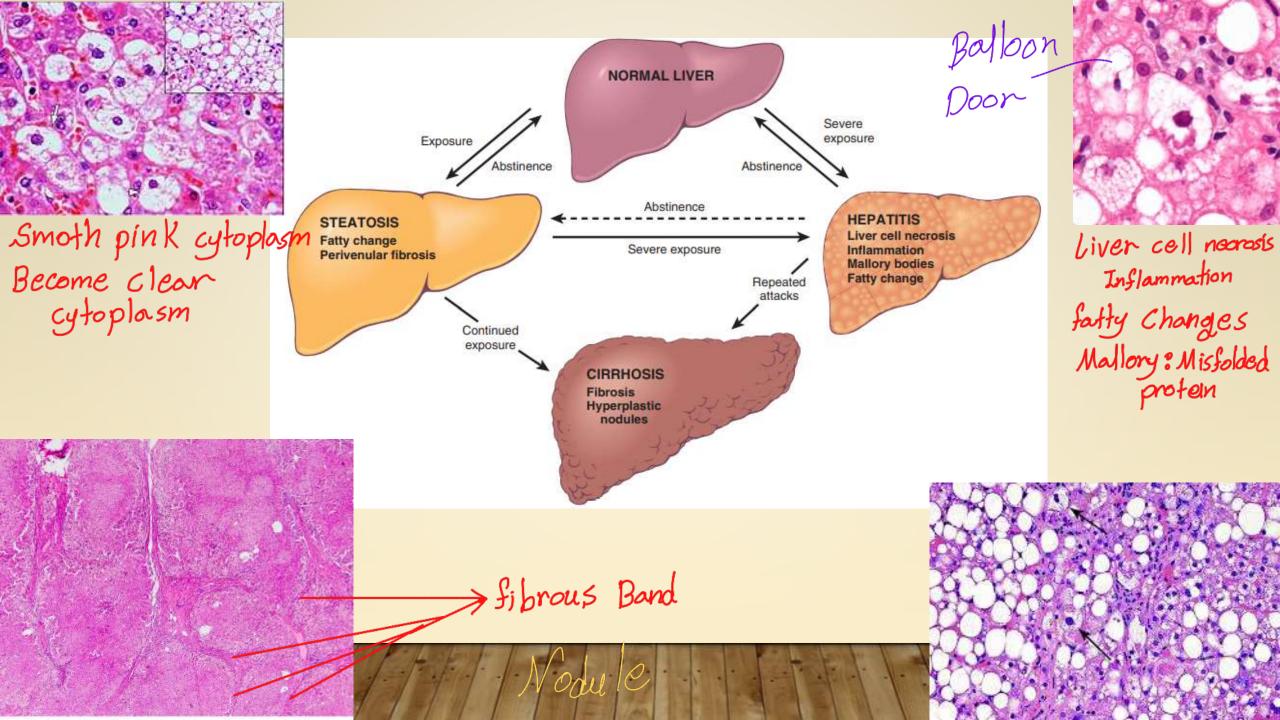
Fig. 16.15 Chronic viral hepatitis due to HCV, showing characteristic portal tract expansion by a dense lymphoid infiltrate.

Lymphocyte + Fatty Change

HBV AntiBody Stain

Ground Glass pale Aperance

Fig. 16.14 Ground-glass hepatocytes in chronic hepatitis B, caused by accumulation of hepatitis B surface antigen. Hematoxylin-eosin staining shows the presence of abundant, finely granular pink cytoplasmic inclusions; immunostaining (inset) with a specific antibody confirms the presence of surface antigen (brown).



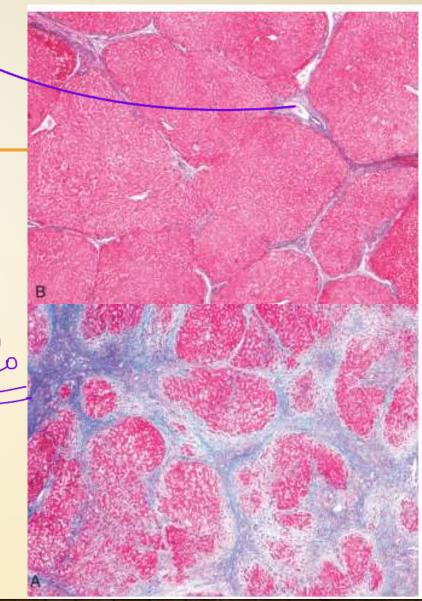
porta Epithelium

HISTOPATHOLOGY

*diffuse transformation of the entire liver into regenerative parenchymal nodules surrounded by fibrous bands.

* ductular reactions.

* (Masson trichrome stain) highlights these fibrous septa.



CLINICAL FEATURES

- 1.40% of individuals with cirrhosis are asymptomatic until the most advanced stages of the disease.
- 2. Non specific symptoms such as anorexia, weight loss, weakness.

3. signs and symptoms of liver failure e.g Jaundice, encephalopathy, and coagulopathy. Hemmorhage under the

4. Pruritus, portal hypertention (intrahepatic vascular resistance).





5. Hyperestrogenemia:

- المختا
- due to impaired estrogen metabolism in male patients with chronic liver failure can give rise to palmar erythema (a reflection of local vasodilatation) and spider angiomas of the skin. Such male hyperestrogenemia also leads to hypogonadism and gynecomastia.
- 6. hepatocellular carcinoma (HCC).

Recurrent Inflammation and fibrosis leads to change in the Genome





- Patients may have :
- >Jaundice.
- Pruritus.
- skin xanthomas (focal accumulation of cholesterol). Since the Bile is the only method to excrete cholestrol
- symptoms related to intestinal malabsorption, including nutritional deficiencies of the fat-soluble vitamins A, D, or K.

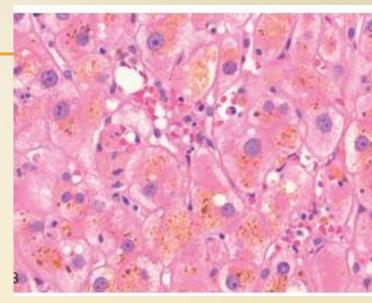
Lab:

elevated serum alkaline phosphatase and γ-glutamyl transpeptidase (GGT),



HISTOPATHOLOGY

- accumulation of bile pigment within the hepatic parenchyma. G_o
- Rupture of canaliculi leads to extravasation of bile, which is quickly phagocytosed by Kupffer cells.
- feathery degeneration:
- Droplets of bile pigment accumulate within hepatocytes, give them foamy appearance







D. PRIMARY SCLEROSING CHOLANGITIS

Anti body

1) Mitochondria

2) Veutrophil cytoplasmic Antibodies

Primary sclerosing cholangitis (PSC) is characterized by inflammation and obliterative fibrosis
of intrahepatic and extrahepatic bile ducts, leading to dilation of preserved segments.

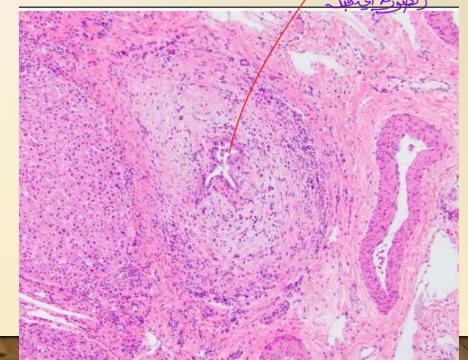
Classic finding is "onion skin" fibrosis around affected bile ducts

stricture and Dilitation

Diognosed By & Radiology

Biliary Mrio Esog

ANKA 🕀



FOCAL NODULAR HYPERPLASIA: GROSS.

well-demarcated, poorly encapsulated nodule in an otherwise normal liver.

there is a central gray-white, depressed stellate scar from which fibrous

septa radiate to the periphery.

Sibrosis without Borders



FOCAL NODULAR HYPERPLASIA: MICROSCOPICALLY.

 The central scar contains large abnormal vessels and ductular reactions along the spokes of scar.

The hyperplastic regions are composed of normal hepatocytes separated by thickened upnormal

sinusoidal plates

الأواعل بنطلق الخواعل

BENIGN NEOPLASMS

- ◆ I. Cavernous hemangiomas:

 Red "Vascular"
- the most common benign tumor of the liver.
- Vast majority of hemangiomas are asymptomatic and require no intervention.
- Gross description:
- Well circumscribed with red-brown, spongy / honeycombed cut surface unifocol
- Microscopic:
- Circumscribed proliferation of variably sized, dilated and thin walled vessels

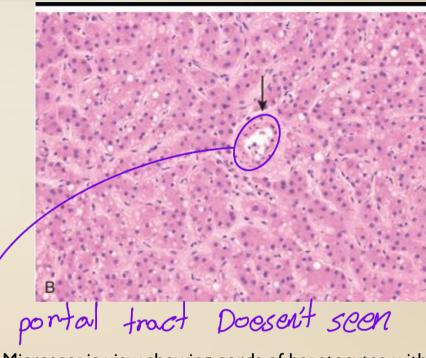




Adenoma



•solitary well circumscribed uncapsulated lesion.

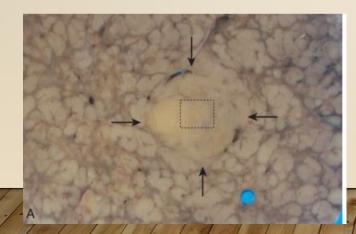


Microscopic view showing cords of hepatocytes, with an arterial vascular supply (arrow) and no portal tracts.

MORPHOLOGY

Hepatocellular Carsinoma

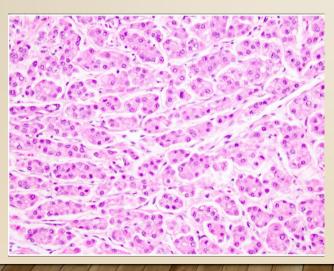
- HCC may appear grossly as:
- (1) a unifocal (usually large) mass.
- (2) multifocal, widely distributed nodules of variable size.
- (3) a diffusely infiltrative cancer,





Hepatocellular Carsinoma

- HCCs range from:
- well differentiated to highly anaplastic lesions.



ما لازم يشتوكول ف المصطورة له



Mucous

MORPHOLOGY

Cholangiocarcinomas

Most tumors appear as firm, gray nodules within the bile duct wall.

ر المر HCC

 Cholangiocarcinomas are typical mucin-producing adenocarcinomas. Most are well to moderately differentiated, growing as glandular/tubular structures lined by malignant epithelial cells.



Desmoplasia Blue Color