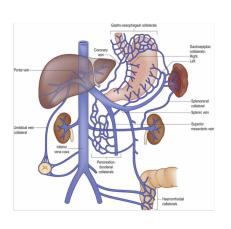
LI Summary fathrology Discuses of exophugus 1-obstruction-Mechanical Functional Achalasia acquired Sclandary achalasia or Cherles ia duplications

macroscopic do présidentisses images not unicroscopic ones.

2- Vascular disease >



the normal Case blood from GIT Portal vein Xliver (deforition) inferior venucoura

*Disease impedes Portal Circulation. portal hypertension Collatered channels in distal shunt of blood from postal to systemic dilated Collecterals

bloody Yomitivey

death heredemesis les proposes les viscos is asymptomodis lestis. S. Varices 11

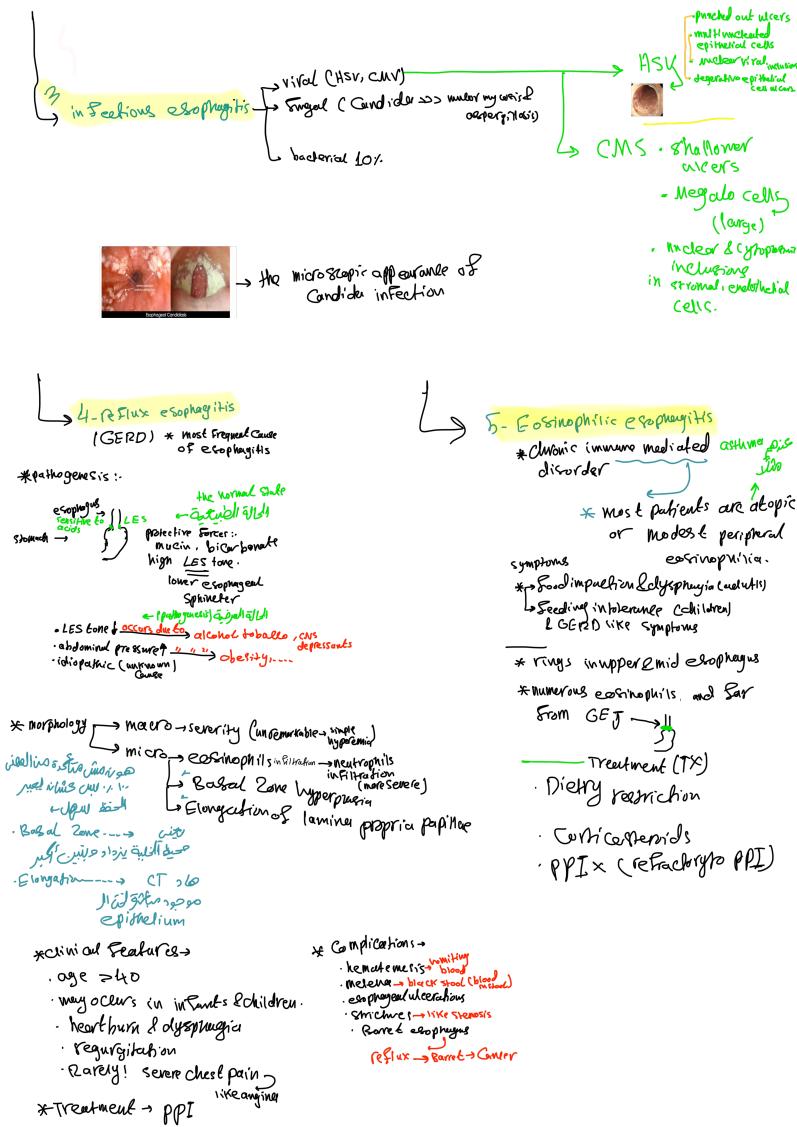
Canses of portal by perfension - Circhosis schistosomiasis

3- Esaphagitis-> & esophageal lacerations 3 in Fections > page 3
45 evsivophilic Esophegitis
50 re frux esophegitis
6 Malloka 2 chemical esophogitis graft us hosteliseage alcoration, acuteinflummention Self-limited pain, adenophagia (A) hemorrage, szviduse or personation in severe (mostry accompanied with stenosis) cases

esophengeal ulcelations · Mallory weeks fears most Common and present with homedomesis · Cause -> severe relding prolonged vomiting. Gastroesophageal mukuhuka Joeanit relex antiperished his Contractions

- heal quickly No surgical

83veltch



* a Complication of GERD is Barret esophagus: intertined metaplatic into the esophugus squamous mu coses 10% of symptomatic GERD patients - Barret netaplasia - dysplasia - adeno Guainoma ·Morphology > . red torgres upward from GEJ PMJO - B Gagaric intestined metaplassia . +1 - Dysplasia · intramulosal Grainomer. Management, - s periodic souvelliance endosopy > dysplasia (high grade)/ adeno Corcinames -> illeprentions Esophageal Eumors a deno Corci nome Squermina half of Barret Cases Cell Corcinema Fisk Factors > dysplania associated Barret

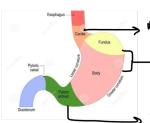
Somo King

Do he sity

Fadio TX Risk factors: Alcohol Tobacco use Achalasia . Jisoble with Plummer-Vinson syndrome Jesticeny and · Geographics revial variations. Frequent consumption of very hot beverages metaplasia - dysplasia - adeno Carcinomaa (Barret) palhogenesis - a conel & tob co > both chapter phages copie ·genetic repigenetic variations anibrosamires ~ Chromosomer abnormalities a Sunyal inserted God + Apr in Section -10 TPh3 variations morphology -> niddle third Morphology -. poly poid, wice rected or in hit trative . Wan thickening & lumen narrowing Cater Flat Paised patches - exophysic infiltrative · invade (metiastiana, branchi arta, periordium). distal third Squamous/ CIS -> moderately to well deferentiated Clinical Features > Pain or difficulty swallowing INVASIVE SCT Progressive weight loss inivamural fumor workles پښېه ک^{GERD} د Chest pain Clini Od Advanced stage at diagnosis: 5-year survival <25%. Early stage: 5-year survival 80%

Pathology of the stomach >





muciu secreting Foreonar Cells.

> parietal cells (HcL) (chei Fcells (Pepsin)

> neuroendocrine G cells (gastrin)

لذ گروا من العسبو انه ال Gastrin J لحفنر افراز ال ما ا رفسيوال I ي مش الاندو 😀 م

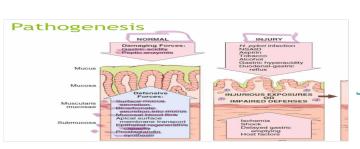
Gastric d seases

in Flammatory

Neoplastic

Gasmitis

Acute gestritis Chronic gastritis WICErs



- For all in Flammatory - which is a second gastrie disenses

acute gastribis (yestropathy) neutraphils no inflammation



Causes) - NSAID, alcoholihipe stress_inchiled

(clinical Features) > Can be asymptometic-ا ولها لجي الزامالو. H. pylorij

Chronic الى Chronic Causes My winter I Slice

(Pathogenesis)

(NSAIDS (COX1, COX2) (4) old ago (much & biorrightes)

(5) chemotherapy (cellular renewal)

ammonial washchamporth BDirect injury & horsh chemicals

Typoria (blood flow)

morphologya

* Hyperemia (reduces).

x edema. Congestion.

xinhack epithelium.

* Neutrophils, lymphocytes I plasmy cells not prominent

* Active in Flammer lion is not necessarily.

> acute gastritis with/may develop appli ules brainin - erosions

* prostaglandins E2 & 12 -> stimulate hearly all de fense mechanisms.

*Both selective Cox 2 (nhibitors & nonselective Cox inhibitors Can regult ingustreputing

stress related mulosal disease

acute gastric ulcers

The name shows that it's caused by physiological streets = traumous

Acute gastric vicers Corling Cugning Stress & NOCK 126 bzje

proximul dowlenum frauma

Severe powers) severe frammu

pathogenes is mostly due to ischemia caused by: Ohypotension @ Volse Gustriction (3) systemic acidosis/ (ow intralellular

intracranial problems

highrick of perforation

done den um, expregns & Stomach

pathogenest's

Direct rougal Stimulation acid hyperseeresion.



clinical Seatures-

Mele Ne -> black stool

Coffe ground hemodemesis - vomiting with PPI For prophylabis personation Complication

> the Stomach is the source of the brood so it is affected by many factors to be black (v color like acidity

gastritis Chronic

Causes -> 4. pylori must common -autoimmum lessthat 10-1. -> less Common - Chronic NSAIDs La radiation injury La consonic bite retime

(H. pylori gestritis >

acute is subclinical · majority of greature ulters & chronic guestribis

mostly cause doudenal were.

-> Autrac gosstritis with I Acl -> pepter weer Ly pomogranzitis -> hypochlorhydria

«Complication» in festinal metaples in linereased risk of gastric Concer.

pathogenesis by H. pylors viruelence

-> wrease -) Adherins - foxing

· Morphology> biopsy-H. pylori-l'newtrophils, plasma cells, lymphocytes & macrophages

- MALT lymphorna -> lymphoid aggregades.

L adenocurcinoma > (Intestinal > dysplosia > Arisk of adeno concinoma)

Diag mosis - serology - Stool → urea breathtest Lo pcr

TX-) antibiotics&

DAWED IMMUNE GERTYILIS-

Antibodies against parietal com 2 serum intrinsic Feator pepsingenIl, HcL/ (achlorhydria)

Antrol andocrine Cells hyper plasia टेन्ड्राम्प्रीड्राड्ड (hypergastrinemia)

parietal)1 so spares the antrum

*Due to damage of some Ohie Freis reduced pepsinogen

Morphology Damage of oxymtic (acid producting) mulosar > thinning , atraphy 2 loss of rigal Solds

L> 14mphocytes, plasmer cells, macrophages newtraphils intestinal metaplasia - dysplasia - Carcinoma

neuroendo arme cells hyperprasia -> fumore

60 years, Femile often with other autoimmy discuses

peptic vicer disease >

the most Common mostly by A. Pylorid by NSAIDs use of gastric weeks in usa Lymore than 70%

rang part of GIT exposed to acidic gastric juices.

pathology of the stomach part 2=

pathogenesis-

*No acid no Mcer

Cofactors: smoking, chronic NSAIDs, high-dose corticosteroids, alcoholic cirrhosis, COPD CRF, hyperparathyroidism.

Site - mostly antrum & upper Jondonum

Esophagns (GERD)

Esophagns (GERD)

Esophagns (GERD)

Esophagns (GERD)

Hilberacignith amised phi:

OH-pylori @ Hyprgastrinemia our in

3 particul (CU) ZOII inger Etilison syndrom byperplasia (1) Excessive ragul stimulation

Vitamin B12

dessicience

Megaloplastic

anemia.

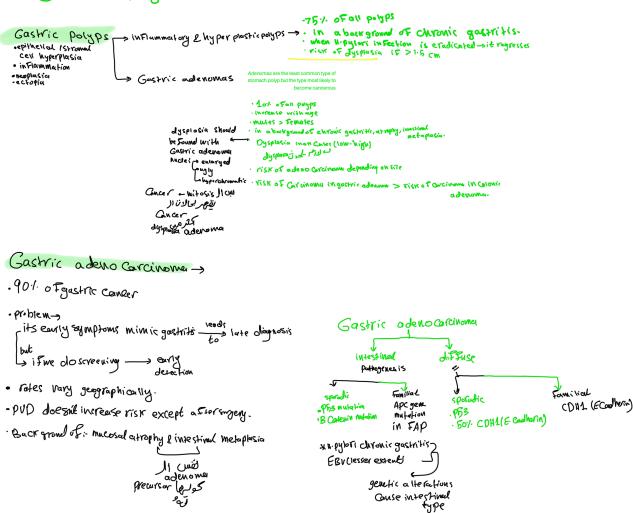
Zollinger Ellison Syndrome

Cause: UNCONTrolled release of gostrin by a tumor

massive acid secretion multiple peptic ulcerations stomach, doudenum L jeju num

Morphology -> 4:1, proximal doudenum: Stomach >80% Sulitary sharping punched out defect Base of the niceris smooth and clean Granulation fissur - the back your disnot healthy mulosu. Complications - hemorrage & personation Clivical Featuress · Warse of night, relieved by alkali & Food · bloating & bletching · ivan desticiency aminia, Frank homorrage or persuration, Tx of swgery for Compliations Applori endication

Gastric Polyps & tumors >





prognostic Factors - T-Stage -depth of invasion · extent of metaglasis anodal early - late diagnosis diagnosi's 5 year survival 200·1· 90%

intestinal) in high risk areas (varies geographically · Develops from premisor (adenomy) ·M: F > 2:1 dysprasia with · mean age 55, years. intestinal metaplasia DIFFUSE) uniform incidence accross countries. ·No Preliser lesion. Very bad MiF = 1:1 prognosis · younger age The drop in incidence applies only to the intertinal type · now incidence of intertined ~ of diffuse La Fterdrup

both types in general - similar to chronic gastrition

1 cachexice.

clinical Features

14mphomes

· 5% of gastric malignanties

- Stomach - most Common site of extranodal lymphoma

→ Most Common (Juphoma —)indolent extranodal marginal zone B-Cell lymphomas — 1 ow 9 Tode ymphomas → 2nd most Common lymphoma → diffuse large B cell

lymphoma(aggressive

ventoendorine (corcinaid) tumor eatising from neuroenductine dofferentiated associated with Carcinaid Syndrome (Some Himes)

. Hot in Small intestines but also in the stornacli

· associated with chronic atrophic gustritis, endorme cell hyperplasia & Zollinger Ellison syndrome.

earbundosol masses (small polypoid lestions)

Chematin applills nesting Smooth

مالفيين السبرر

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

(Carcinoid Syndrome→

. In 10% of newsendocrine Eumor cases · Strongly associated with metastatic disease @ especially to the liver

. symptoms due to Valo active cumines production

Cutaneous flushing, sweating, bronchospasm, colicky abdominal pain. diarrhea, and right-sided cardiac valvular fibrosis

Cutaneous Slughing

