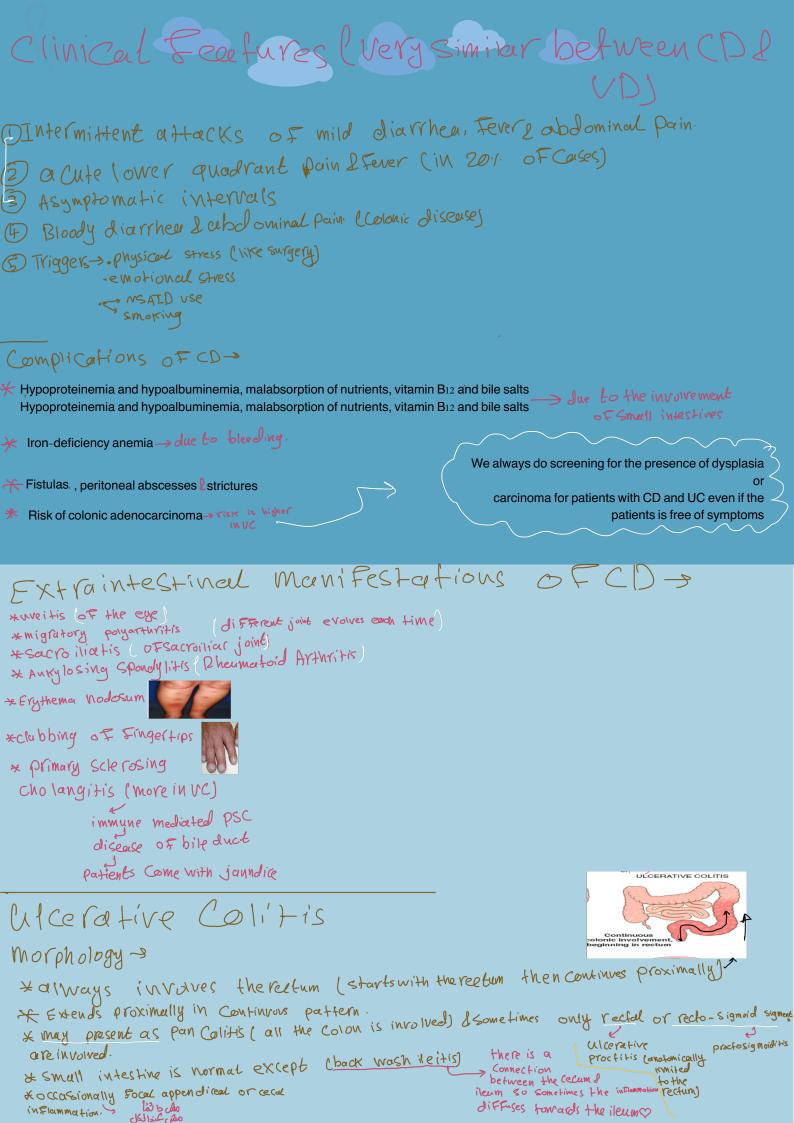


Spring with Hursch prung disease Spring with Gungenital aganglionic megaloion (another Anne defect in Colonic innervations for publics * Congenital & more common in mates but more centere in Females. First stool passed * it's congenital -> risk increases in siblings * the child is born with this alisease and the most common presentation is falling to pass me contium after birth pathogenesis-> disrupted migration Energy creek Srom Failure of Coordinated peristallic Contractione ل سب السوارية هاي علما _ هوالأكثر الم الس sporadic en intertions Wis in RETgene 15% محكن برفيه تسبيهاجيتان كانية وحوامل يستح Morphelogy -> Diagnostic workup-> لا الاحداس is always involved با جزاع لا الاحداث المعالية بالمحرب العامية involved با جزاع لا الاحداث المعالية المعامة Barium evena, Biopsy, Microcopic لۍ زم الر macroscopic appearance 2 microscopi Cally -> leck of biopsy ganglion certs in the submuleral proximally dilated color لللنمل كل or intra muscellar very process العبقان !! Complications-> aganglionic part of rectum Enterocolitis infection (bowel is distended and there's stagnation of stool → risk of bacterial overgrowth and infection Fluid and electrolyte disturbances contracted Perforation bowel could be ruptured causing) Peritonitis Treatment (TX) -> surgical resection of aganglionic segment 2 anostomosis of normal segment



crohn disease > morphology -> ORegional enterits -> Can be Found in any area of the GIT in an uncontinuous pattern. (strip lesions) @ most Common sides - ferminal iteum, iliocecal, celum-satthe right side - semilar clinical picture La colon only 301. B strictures are common due to transmural in Flammation which cause Fibrosis. Also, there is edema (5) Earliestlesion is aph thous where BE longated, serpentine ulcers 7 Fissures, Fistula & perforations 1015 Fat 11 storing @ creeping fat -> due to in Flammation of Severage (9) Cobblestone apparrance منافق بنكون ممتازة مائانزن (it UN to an Runs in Flammation) 1506 Girls Crues Visen Qeilling Neutrophils in active disease. microscopically > due to, Crypt abscesses. Ulceration. Features -hronic) i iléel de لكون فوجودية chronic) دعل ال Paneth cell metaplasia in left colon CIBD non Cased five • Mucosal atrophy. 5eatures granuloma IT live is a cherring won Caseding granuloma CD qui s'in only in 35% of Cases





abrupt transition between normal & disease Signents

Clinical.	Features
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"Relapsing remitting disorder.

Attacks of bloody mucoid diarrhea +lower abdominalcramps

Temporarily relieved by defecation

✤ Attacks last for days, weeks, or months.

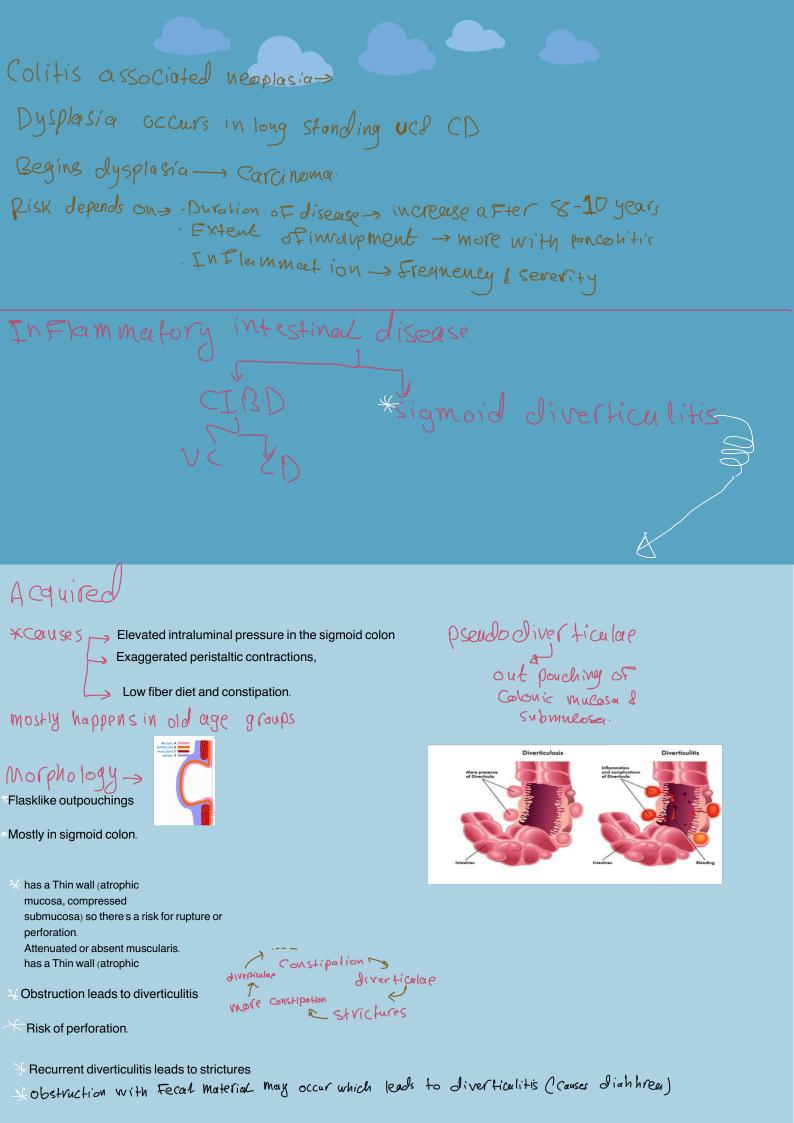
+ Asymptomatic intervals.

the triggers

imesInfectious enteritis may trigger disease onset (viral gastroenteritis that causes acute attack)

or cessation of smoking. A lo حفل (Colectomy cures intestinal disease only) if is a cure only (Constrant) for uc not co for co we use surgeries in Complications only

Feature	Crohn Disease	Ulcerative Colitis	
Macroscopic			الجاول
Bowel region affected	lleum ± colon	Colon only	4081
Rectal involvement	Sometimes	Always	
Distribution	Skip lesions	Diffuse	
Stricture	Yes	Rare	
Bowel wall appearance	Thick	Thin	یکرا رابعا متبق
Inflammation	Transmural	Limited to mucosa and submucosa	
Pseudopolyps	Moderate	Marked	
Ulcers	Deep, knifelike	Superficial, broad-based	
Lymphoid reaction	Marked	Moderate	
Fibrosis	Marked	Mild to none	
Serositis	Marked	No	
Granulomas	Yes (~35%)	No	
Fistulas/sinuses	Yes 17	No	
Feature	Crohn Disease	Ulcerative Colitis	
Clinical			
Perianal fistula	Yes (<u>in colonic</u> disease)	No	
Perianal fistula Fat/vitamin malabsorption		No No	
Fat/vitamin	disease)		
Fat/vitamin malabsorption	disease) Yes With colonic	No	
Fat/vitamin malabsorption Malignant potential Recurrence after	disease) Yes With colonic involvement	No Yes	



opening Fordiverticulum

>diverticulitis

صلوا علی رسول اللہ

Mostly asymptomatic.

Flat (sessile) Polyp

Intermittent lower abdominal pain

Constipation or diarrhea if inflammation occurs.

occurs. High fiber diet.

Antibiotics in diverticulitis

Surgery in case of perforations

Diseases of the intestine Polyps & neoplastic diseases * COLON is the most common site For Polyps polyps heoplastic Non-neoplastic adenomas inFlammatory hama polyps sessile pedunculated y y stalkx Stalky hancert

PeuE2 Continue --Devincreased risk of several malignancies DEVEL, STK/1 gene mutation.



Marphology of peul2 -> Surge, christmas tree pattern Arborizing network of CT, Lamina propria l smooth muscle



(Hyperplastic polyps)»

> mule cut a neons

ومانيل للمطالب التمني ولكز تؤخذ للدنيا غلابا

*5th_ 8th decade * no malignant potential * decreased epithelial furnover and delayed shedding of surface epithelium * most common in left Colon (rectosignorid)

morphology

- * Small < 5mm
- & Can be multiple
- * Crowding . I goble & Pabsorptive cells

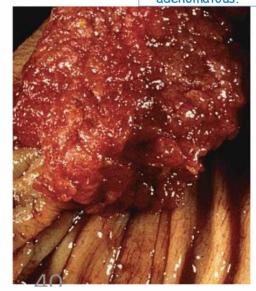
Adenomas **IMPORTANT



- Most common and clinically important because it's precancerous (it's the precursor of the majority of colorectal adenocarcinomas)
- Risk Increase with age.
- Definition: presence of epithelial dysplasia (low or high) with increased risk of malignancy (more with high grade dysplasia of course)
- Precursor for majority of colorectal adenocarcinomas
- Most adenomas DO NOT progress to carcinoma. (Mostly resection is done before progression) / بس عادي ممكن تشيلها ويتكون غيرها
- USA: screening colonoscopy starts at 50 yrs.
- Earlier screening with family history.
- Western diets and lifestyles increase risk.

Pedunculated or sessile polyps

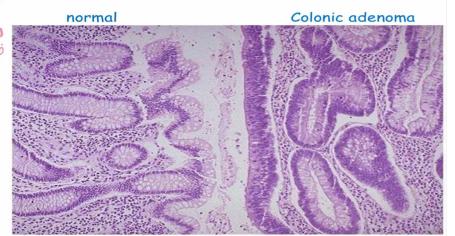




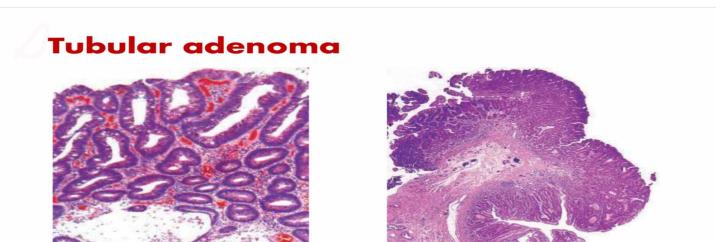
Colon adenoma

- Hallmark: epithelial dysplasia
- Dysplasia: nuclear hyperchromasia, elongation(larger), stratification(dark color of nuclei), high N/C ratio.
- Size of the polyp is : most important correlate with risk for malignancy (a 5cm polyp has a higher risk of malignancy than a 1cm one)

High-grade dysplasia is the second factor



 REMEMBER!
It's just an appearance and doesn't imply if it's hyperplastic or adenomatous.



4

This is a pedunculated polyp with normal mucosa under of it, Glands are dysplastic

Villous adenoma.



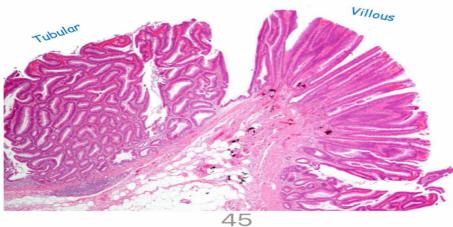
- has Long slender villi.
- also has More frequent invasive foci at the time of diagnosis

Polyps types depending on Architecture:

- Tubular. (like tubules/glands (look at the previous slide))
- Tubulovillous. (MIX /next slide)Villous.

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Tubulovillous adenoma



Good Luck