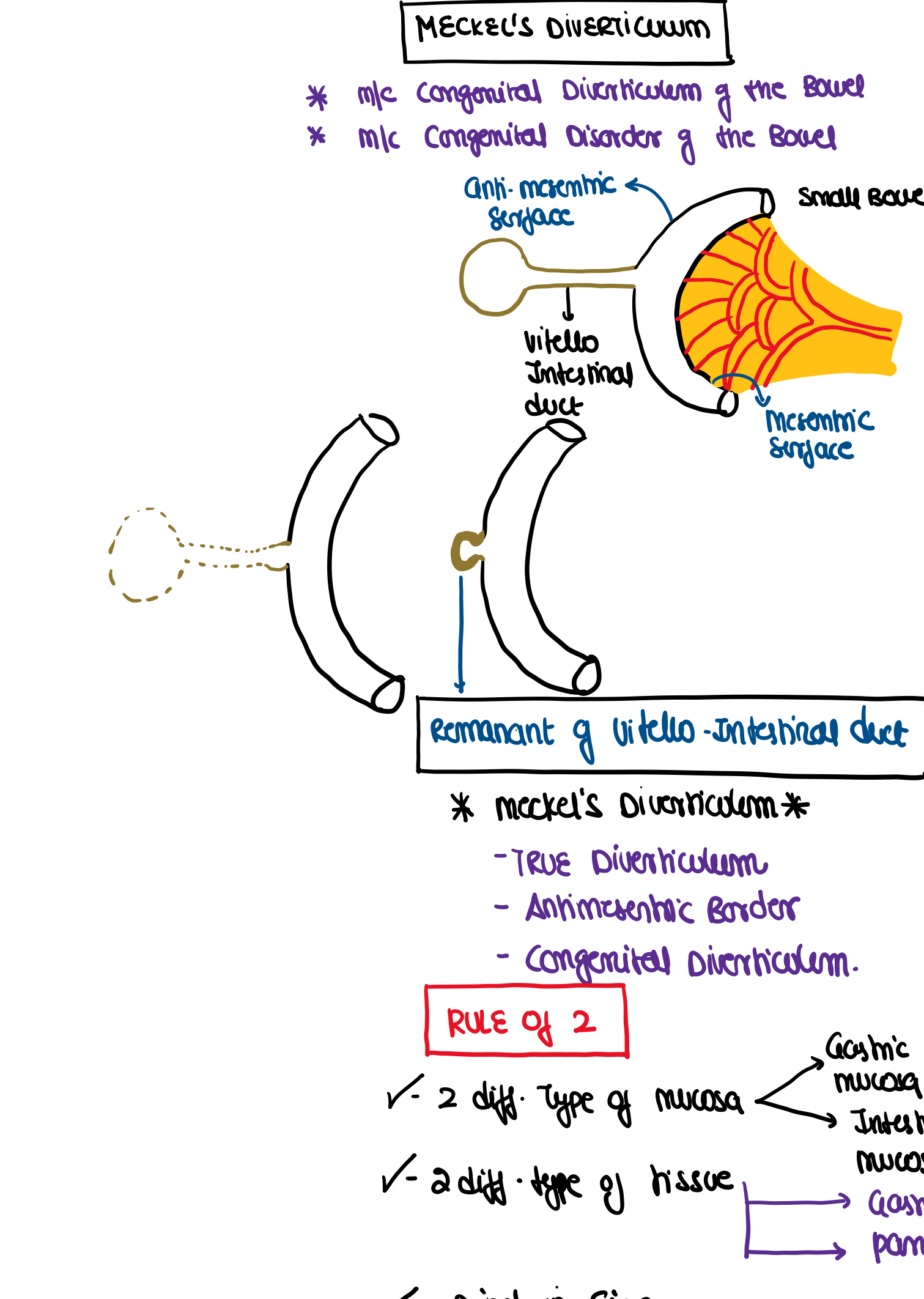




* Meckel's Diverticulum *

- True Diverticulum
- Antimesenteric Border
- Congenital Diverticulum

RULE of 2

- ✓ 2 diff. Type of mucosa
 - Gastric type of mucosa
 - Intestinal type of mucosa
- ✓ 2 diff. type of tissue
 - Gastric tissue
 - pancreatic tissue

- ✓ - 2 inch in Size
- ✓ - 2 feet proximal to I.C junction (60cm)
- ✓ - 2% population

CLF : 90-95% Asymptomatic
5-10% Symptomatic : Complications

- Bleeding**
 - massive lower GI bleed (peptic ulcer in Gastric type of mucosa)
 - m/c source of bleeding (ileo-caeco-a)
- Obstruction**
 - Intussusception (mo - u.s most common lead pain in children)

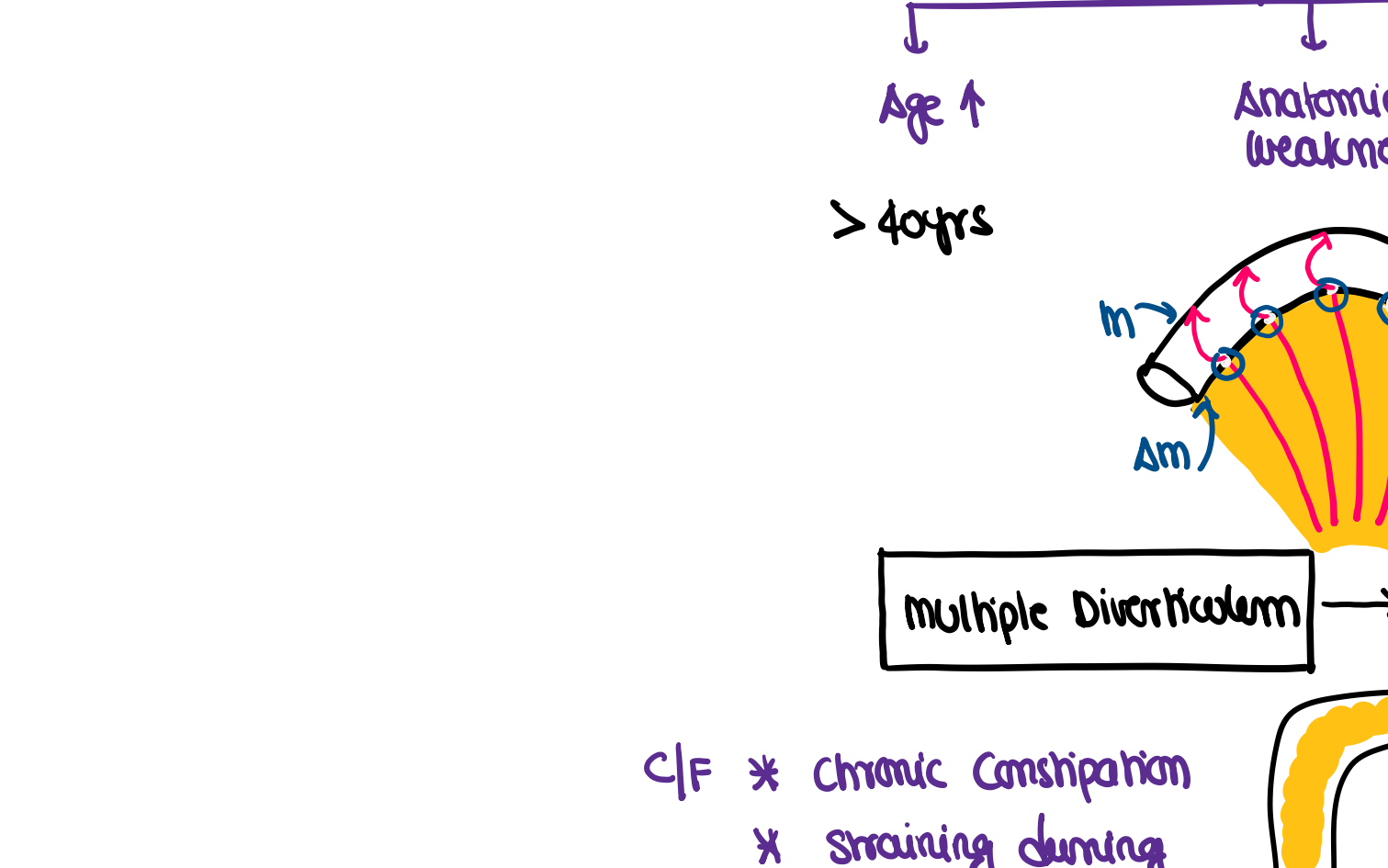
JOC : Tc99-Peritoneal Scan
Very high affinity for Gastric type of mucosa

Mx : Resection + Anastomosis

New: Incidentally found Asymptomatic Meckel's Diverticulum → operated

Acquired Diverticulum

- * Large Intestine > small Intestine
- * M/c's : Sigmoid colon



CLF * Chronic Constipation
* Straining during defecation

JOC : Barium Enema
Saus-TOOTH app.

Mx : Sigmoid Colectomy & primary Anastomosis

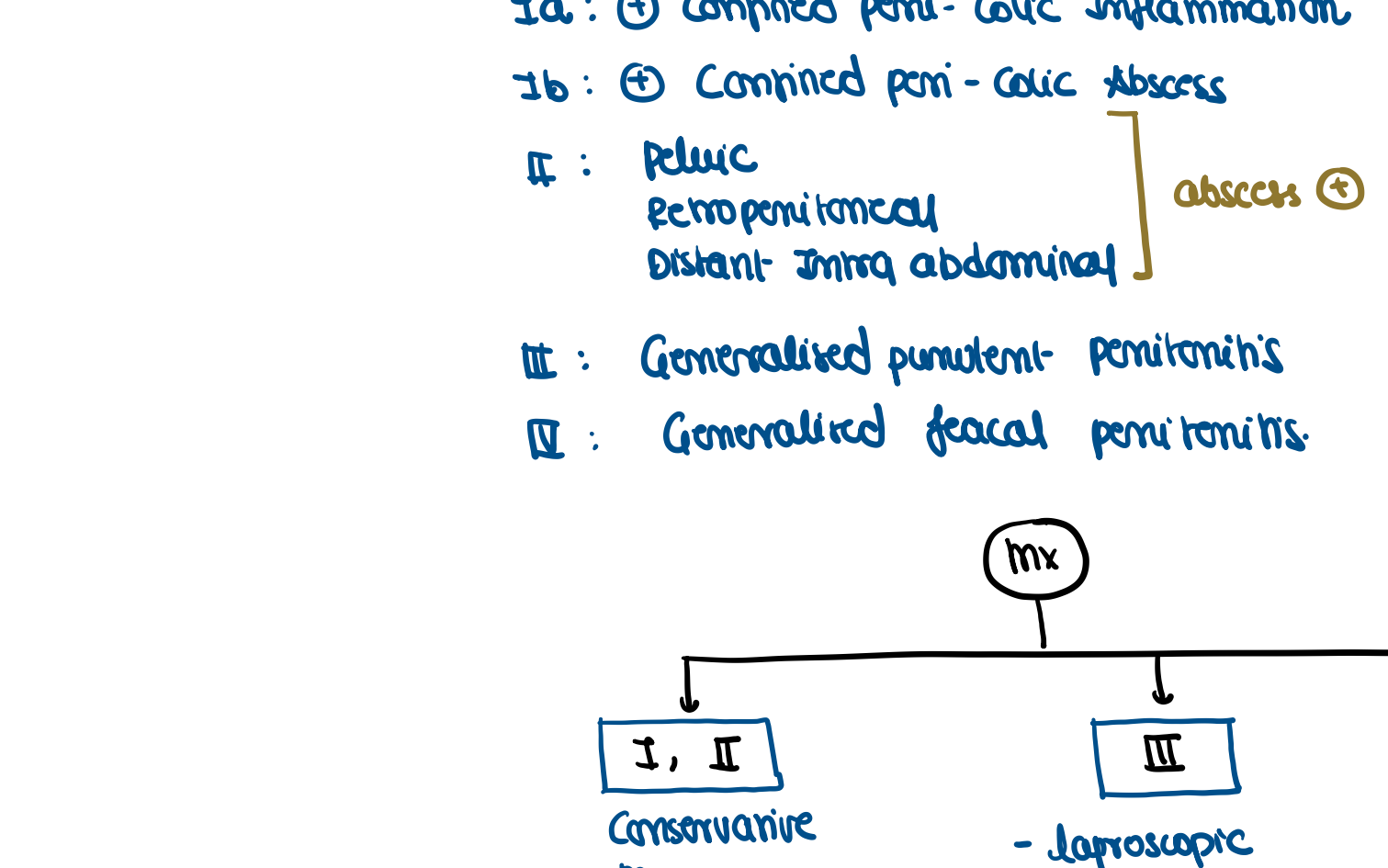
Complications : 1. Diverticulitis
2. massive lower GI bleed
3. pelvic abscess
4. peri-colic abscess
5. Sigmoid perforation

CLF : DIVERTICULITIS

- * Severe lower abdominal pain
- * massive hematochezia (lower GI bleed)
- * H/O Constipation
- * @ fever
- * @ Severe Tenderness : @ lower abdomen
- * Non passage of stool and flatus

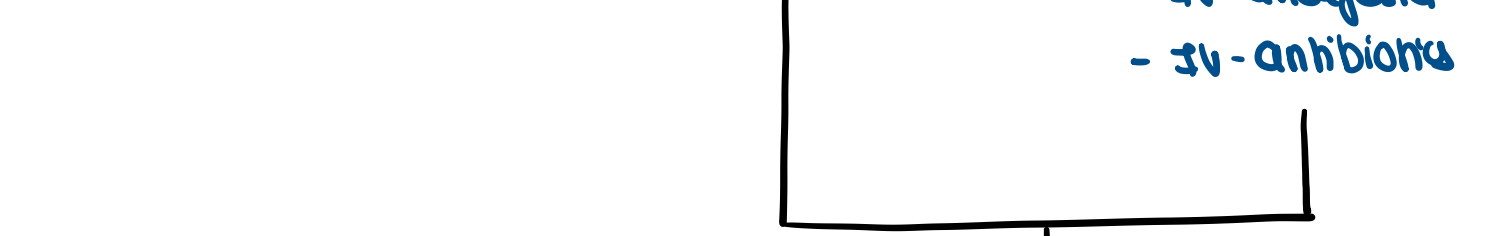
JOC : CECT
Hinchey's class

0 : mild clinical Diverticulitis
1a : @ Confined peri-colic inflammation
1b : @ Confined peri-colic abscess
II : Pelvic Peritonitis distant intra abdominal abscess @
III : Generalised peritonitis
IV : Generalised faecal peritonitis



Hirschsprung's Disease

- @ : failure of migration of neuronal cells
- m/c's : Rectum



CLF

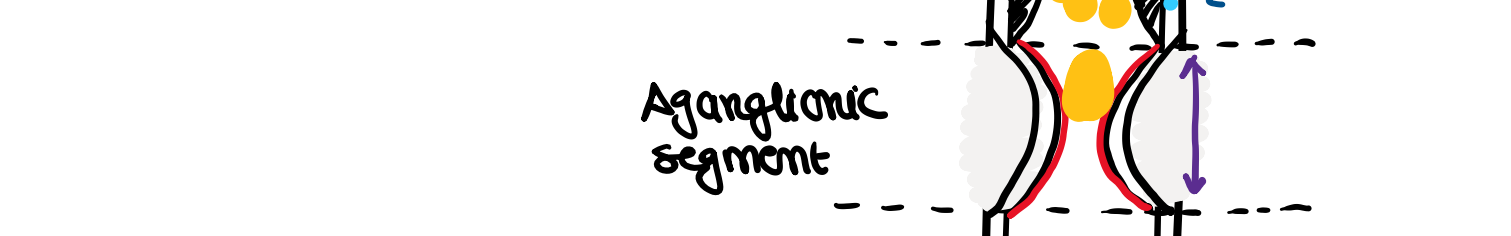
- @ Birth : Non passage of meconium ≥ 48 hrs
- First Few weeks of life : Acute Constipation, Failure to thrive
- older child : Chronic constipation

JUV : Ba Enema
JOC : Rectal Biopsy
Mx : 7-9 : Temporary Colostomy : neonate
> 4-6m : Definitive Sx : - Duhamel's
- Swenson's
- Soave's

Complications

- ✓ Necrotising Enterocolitis : m/c of death
- ✓ perforation

Intestinal Obstruction



CLF

- Dynamic obstruction**
 - * Colicky abdominal pain
 - * Nausea / vomiting
 - * Non passage of stool & flatus
 - * Bowel sounds : ↑ Intensity
- Adynamic obstruction**
 - * Abdominal discomfort
 - * N/V
 - * Non passage of stool & flatus
 - * Bowel sounds : @

PARALYTIC ILEUS

- Adynamic obstruction
- @ : Transient failure of neuromuscular junction due to over or under stimulus

@ Post-op state
* Acute peritonitis
* Urinary colic
* Unrestrained Intra abdominal abscess
* Dyselectrolytic
* Anti-psychotic use

CLF : S/s of Adynamic obstruction
JOC : X-ray : Multiple dilated loops of Bowel & Multiple air fluid levels
Mx : Conservative Mx
Treat the underlying @

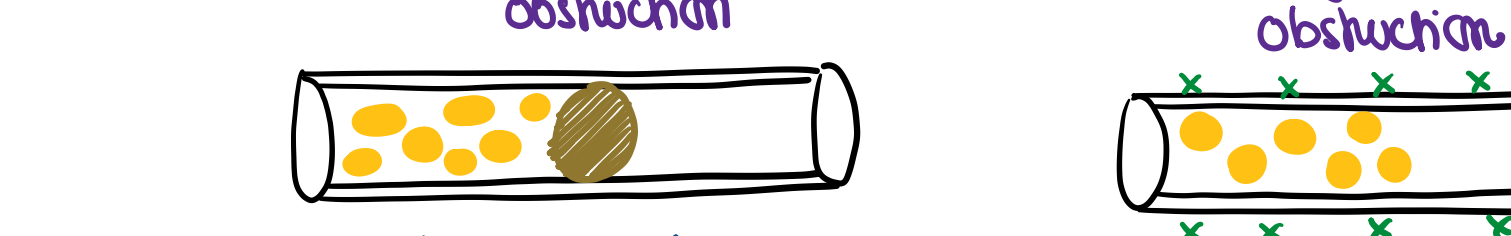
Pseudoobstruction



@ : Sympatric overactivity : @ Peristalsis
CLF : S/s of Adynamic obstruction
→ massive abdominal distension

S.I obstruction : Open loop #
L.I obstruction : Closed loop #

JOC : X-ray
Mx : Mx : Neostigmine



INTUSSUSCEPTION

If one loop of intestine telescopes into another loop

Intussusceptum
INTUSSUSCIPIENTS
neck
Apex

@ : - Idiopathic
↓ lead point

- * Hypertrophied (6-10cm) Peyer's patches
- * Meckel's diverticulum
- * S-I lymphoma
- * Polyps : Adults

Age : 6-10 months

- S/s of dynamic Intestinal #

1st Inv : X-Ray : Multiple air fluid levels
Ba Enema : Claw hand app.
USG : - Target Sign
- Donut Sign

m/c site in child : Ileo-colic (7-10%)
m/c site in Adult : Colo-colic

Mx : Children : Enema : Air > saline > Barium
↓ fails
Exploratory lapotomy : Resection & Anastomosis
* Adult : R+A

Volvulus

If a loop of Intestine Rotates around its own axis

* long floppy mesentery
* Chronic constipation
* Elderly Age
* prolonged immobilization
* Hirschsprung's @
* Mentally impaired pt.

@ : long floppy mesentery
* Chronic constipation
* Elderly Age
* prolonged immobilization
* Hirschsprung's @
* Mentally impaired pt.

Age : > 40yrs

- S/s of dynamic Intestinal #

- massive Abdominal distension

1st Inv : X-Ray : Multiple air fluid levels
Coffee Bean Sign
Bird of Prey Sign
- **Whirlpool Sign : CECT**

m/c's : Sigmoid colon → Antimesenteric volvulus
Cecal Volvulus (Ileo-caeco-caecus) → clockwise volvulus

Mx : 7-9 line : Colonoscopic detorsion of volvulus
↓ fails
Exploratory & Hartmann's Colectomy

Plan for Elective Sigmoid Colectomy & Anastomosis