#### ISCHEMIC BOWEL DISEASE

Ischemic damage to the bowel wall can range from:

- ? Mucosal infarction, extending no deeper than the muscularis mucosa.
- ? Mural infarction of mucosa and submucosa.
- ? Transmural infarction involving all three layers of the wall.
- ? While mucosal or mural infarctions often are secondary to acute or chronic hypoperfusion, transmural infarction is generally caused by acute vascular obstruction.

## OTHER CAUSES

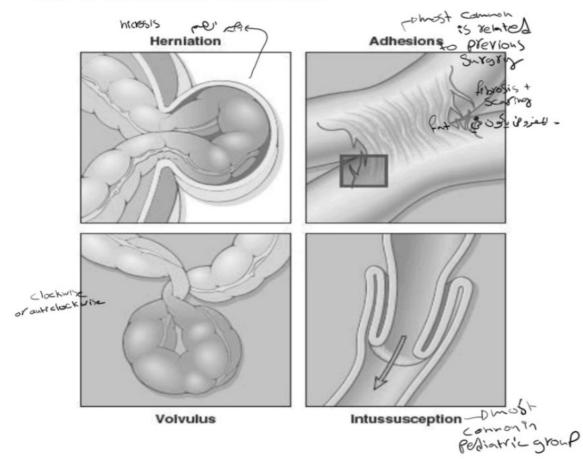
- CMV infection.
- · Radiation enterocolitis .
- · Necrotizing enterocolitis . common in bables who both
- Angiodysplasia is characterized by malformed submucosal and mucosal blood vessels. ( when the be here)

- Clinical picture of intestinal obstruction.
- 🚊 Abdominal pain
- Distention ش
- اش Vomiting
- . Constipation في

The bendy Should Pass his first stool within the Rirst v8 houres

• Acute or chronic.

# 80% of mechanical obstructions



#### Intussusception

Segment of the intestine constricted by a wave of peristalsis, telescopes into

the immediately distal segment.

Once trapped, invaginated segment is propelled by peristalsis, and pulls

mesentery with it.

Most common cause of intestinal obstruction in children younger than

2 years of age.

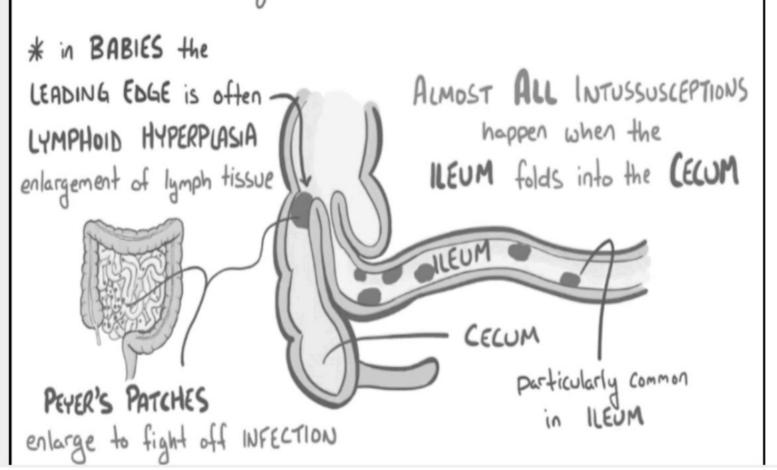
Untreated progresses to infarction.

- العلاج الأهم يدخلوا سادة ملونة منال مسلامه و مهاور المؤسم لل الملاعله حتى عجم مكانه

# INTUSSUSCEPTION

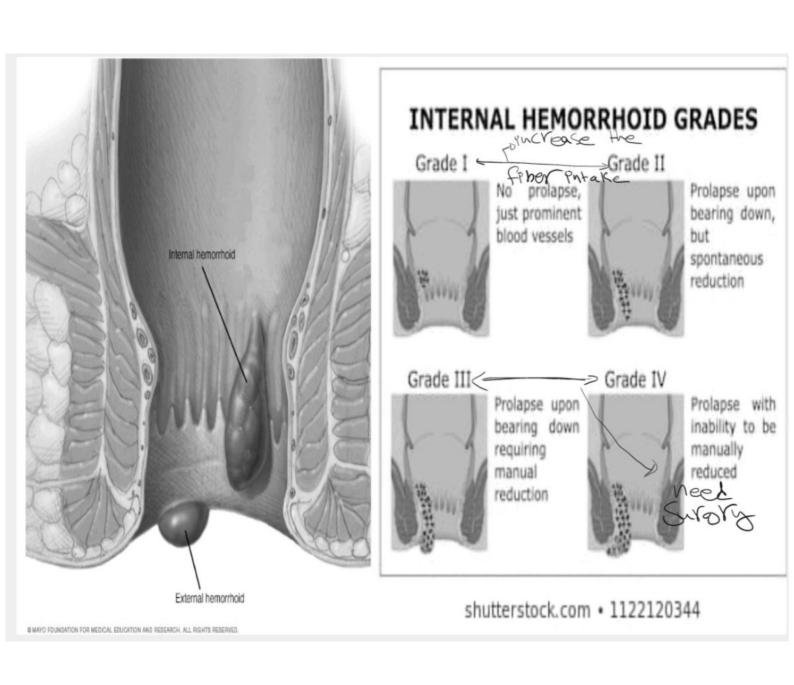
- بشخصوا ال ماطمط عناطريق فمنفعد الركبة إلى البطن

(usually happens in ILEOCECAL region)



# **Pathogenesis**

- During embryogenesis
- Disrupted migration of neural crest cells from cecum to rectum.
- Lack of Meissner submucosal plexus and the Auerbach myenteric plexus (muscularis)
- Failure of coordinated peristaltic contractions.
- الله Mutations in RET: in familial cases and 15% of sporadic
- Other genes and environmental factors play role.



### Malabsorptive Diarrhea

- Chronic.
- Defective absorption of fats, fat- and water-soluble vitamins, proteins, carbohydrates, electrolytes, minerals and water
- Hallmark is: steatorrheardefecation of borge amount of 8+0012 contain large amount of fat

  The Acure diarrhea cashed
  be infections

Malabsorptive diarrhea

Defect in one of the following:

Intraluminal digestion, oderand on digestive on Cymes

Panchestic J' > Jisler

Terminal digestion. crypt July Lun

لثي Transepithelial transport.

لىٰ Lymphatic transport.

Disease	Intraluminal Digestion	Terminal Digestion	Transepithelial Transpor
د ښن Celiac disease	Intraluminal Digestion  و کون عام الجاو  المحاده عند المحادة	H	+
Tropical sprue	اذامعلوبي	+	+
Chronic pancreatitis	+		
Cystic fibrosis	+		
Primary bile acid malabsorption	+		#
Carcinoid syndrome			+
Autoimmune enteropathy		+	+
Disaccharidase deficiency		+	
Whipple disease			
Abetalipoproteinemia			+
Viral gastroenteritis		+	+
Bacterial gastroenteritis		+	+
Parasitic gastroenteritis		+	+
Inflammatory bowel disease	+	+	+