
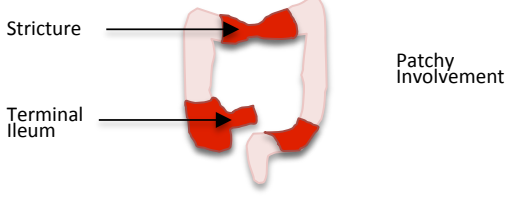


Inflammatory Bowel Disease

Group of chronic inflammatory disorders of the small and large intestines. Involves inflammation and ulceration.

Symptoms and Signs	Complications
<ul style="list-style-type: none"> • Frequent bowel movements • Diarrhea • Bloody stools • Abdominal pain • Urgency • Failure to thrive / weight loss 	Toxic megacolon (more common UC)

	Ulcerative Collitis	Crohn's Disease
		
Location	<ul style="list-style-type: none"> • Always affects <u>rectum</u> extending to varying degrees around the large bowel 	<ul style="list-style-type: none"> • Anywhere from the mouth to anus • Frequently affects the <u>Terminal ileum</u> <p>Most cases (70-80%) have small bowel involvement and sparing of the rectum</p>
Inflammation	<p>Continuous, Diffuse mucosal inflammation (Inflammation limited to the mucosa)</p> <p>Sharp transition between diseased and normal colon</p>	<p>"Patchy (Skip areas), Transmural Inflammation"</p> <p>Locality in the setting of relatively normal intervening mucosa, segmental asymmetric involvement of different parts of the wall within given segments of bowel.</p>

Clinical

Hematochezia	common	rare
Mucus/Pus	common	rare
Small bowel disease	no	yes
UGI tract involvement	no	yes
Abdominal mass	rare	RLQ
Extra intestinal	common	common
Small bowel obstruction	no	common
colonic obstruction	rare	common
perianal disease	no	common
Strictures and Fistulas	no	yes

Pathology

Structure	Thin bowel wall	Thick walled colon/SB, muscularis propria hypertrophy
Fat Wrapping	No	Yes
Cell Architecture	Numerous pseudopolyps or inflammatory polyps, Crypt distortion and abscess formation	less architectural distortion and mucin depletion
Granulomas	No	Yes
Lymphoid Aggregates	No	Yes