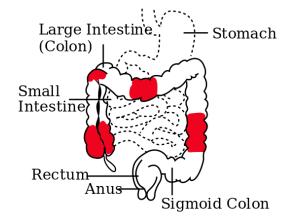
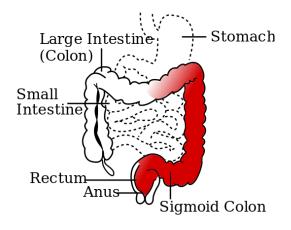
This term is usually used to denote ulcerative colitis and Crohn's disease .However bowel inflammation can be caused also by Bilharzial colitis , amoebic colitis , ileocaecal T.B and typhoid enteritis .





Crohn's Disease

Colitis ulcerosa

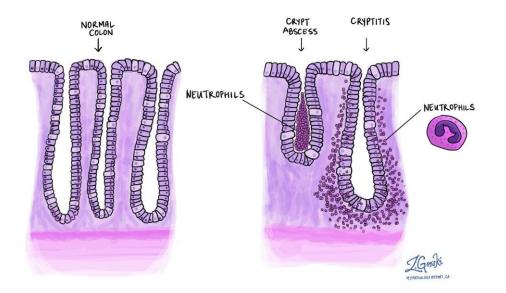
	Crohn's Disease	Ulcerative Colitis
Indidence	 Equal in male & female 	 More in females .
	 Commonly occur 10-30 	 Commonly occur 20-40
	years.	years.
Aetiology	 Unknown but immunologi 	ical , genetic or
	environmental factors are possible causes .	
Pathology	 It can affect any part of 	 Usually start above
	GIT from mouth to anus .	dentate line and extend
	 The commonest site is 	upward for variable
	terminal ileum followed by	distance to affect rectum
	proximal colon and anal	only(proctitis) or left
	canal with rectal sparing	colon or whole colon (
		pancolitis).
		• Never affect ileum .
	It affects all layers from	• It affects mucosa only .

	mucosa to serosa,	 Mucosal affection varies
	surrounding structures &	from granularity to
	mesentery which contain	extensive ulceration
	enlarged lymph nodes .	
	 It is Characterised by 	• It is continuous disease
	skip areas (normal	with sharp transition
	healthy gut between the	between diseased &
	diseased areas)	healthy area without any
		skip area .
	 It is characterized by 	The condition begins with
	granuloma formation	multiple crypt
	(collection of inflammatory	abscesses surrounded
	cells) followed by severe	by inflammation .
	fibrosis, marked	 These abscesses fuse to
	thickening & narrowing	form superficial ulcers
	of the affected segment .	
	 In longstanding cases 	 Pseudopolyps usually
	,multiple fissures occur	present between the
	with mucosal oedema $ ightarrow$	ulcers .
	cobble stone	• Minimal fibrosis without
	appearance.	thickening of the wall .
Complications	•Intestinal :	Intestinal :
	1) Stricture \rightarrow I.O	1) Toxic megacolon
	2) Abscess and fistula to	(5%) due to atony of
	bowel loops , bladder ,	colon may be fatal .
	vagina or skin .	2) Haemorrhage , shock
	3) Anal fissure , abscess	& anaemia .

	and fistula .	3) Colon cancer	
	4) Malabsorption .	especially in pancolitis	
	5) G.B stones due to lack of	for more than 10 years	
	absorption of bile salts.	, often multicenteric .	
	• Extra-intestinal :Uveitis , arthritis , cholangitis , liver		
	cirrhosis, skin lesions, pyoderma gangrenosum and		
	erythema nodosum.		
Clinical	 There remissions & exacerbations . 		
picture	Gradual onset .	• Acute onset .	
	 It starts by diarrhoea. 	It starts by severe watery	
	• In ileitis only there is no	diarrhoea(up to 30	
	passage of mucus, pus	times/day) with passage	
	or bleeding per rectum	of mucus , pus and	
	and no tenesmus.	bleeding per rectum	
	 Colicky pain & tenderness 	are the cardinal feature .	
	in the right iliac fossa	• Tenesmus is severe .	
	simulating acute	 Colicky pain & 	
	appendicitis .	tenderness in the left	
	In long standing cases:	iliac fossa .	
	Indurated tender mass	• General : Fever , headach	
	in the right iliac fossa or	anorexia , malaise(FAHM)	
	I.O may occurs.	nausea, vomiting,	
	 General manifestations 	anaemia ,weakness ,	
	are similar to ulcerative	dehydration , loss of	
	colitis.	weight ,	
	 Crohn's colitis gives 	lymphadenopathy,	
	similar manifestation as	clubbing of fingers,	
L			

	ulcerative colitis.	manifestations of extra-	
	• Perianal disease is	intestinal complications.	
	common .	 Hypovolaemic shock in 	
		severe bleeding per	
		rectum .	
		• Toxic megacolon : High	
		fever (39-39.5 °C) &	
		severe abdominal	
		distension .	
		• Perianal disease is rare .	
D.D	Other causes of pain or	Other causes of bleeding	
	swelling in the right iliac fossa .	per rectum .	
	Other causes of diarrhoea	Other causes of diarrhoea .	
Investigations	& I.O . • Laboratory:		
	1) Stool analysis .	-	
	2) Blood exam. : .anaemia , leucocytosis , hypoproteinaemia & hypokalaemia .		
	 Barium meal follow 	Barium enema :	
	through : show areas of	Show mucosal changes	
	strictures with skip normal	& shortening of colon	
	areas , narrowing of	with loss of haustrations	
	terminal ileum (String	 It is contraindicated in 	
	sign of Kantor) with	toxic megacolon .	
	proximal dilatation and	 Colonoscopy (show 	
	fistula .	extent of the disease,	
	• Barium enema for	diffuse inflammation ,	
	suspected colon disease .	ulcers and pseudopolyps	
	 Colonoscopy &) with biopsy are	

	ileoscopy with biopsy	diagnostic .
	are diagnostic .	
	• U/S & CT to detect extra-	
	luminal complications .	
Treatment	I)Medical treatment is the main line of treatment (see medicine) . II)Surgical treatment : •Indications : failure of medical treatment or complications . •Methods	
	1) Limited resection	1)Proctocolectomy (
	of affected segment	excision of whole colon
	(avoid resection of long	and rectum) with
	segment to avoid	permanent ileostomy is
	malabsorption).	the classical treatment .
	2) Stricturoplasty for	2)Total Colectomy with
	localized stricture .	rectal sparing and ileo-
		rectal anastomosis .
		Follow up for life to avoid
		rectal cancer .
		3)Proctocolectomy with
		distal rectal
		mucosectomy and ileal
		pouch is fashioned to act
		as reservoir and is
		anastmosed to the
		anal canal within the
		preserved rectal muscle .



Crypt abscesses



Cobble stone appearance.



Pseudopolyps



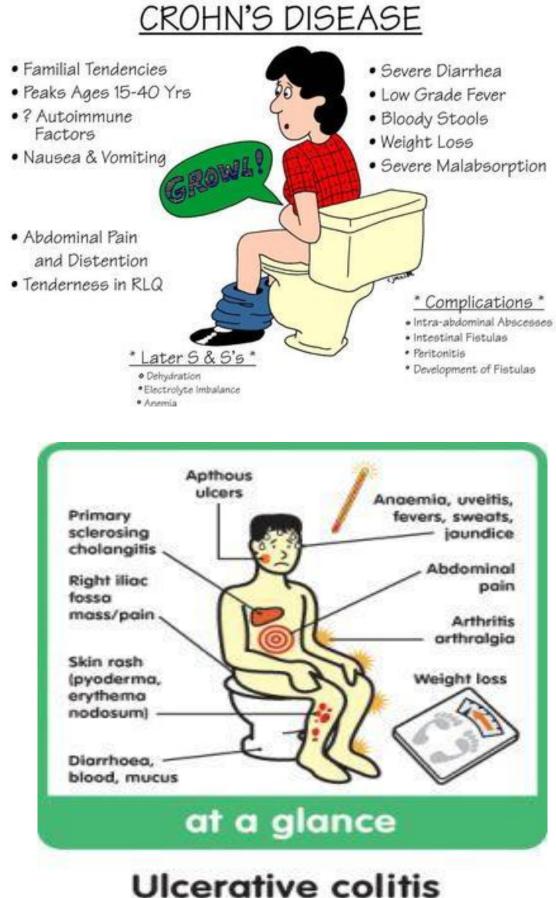


Erythema nodosum



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Pyoderma gangrenosum



and Crohn's disease



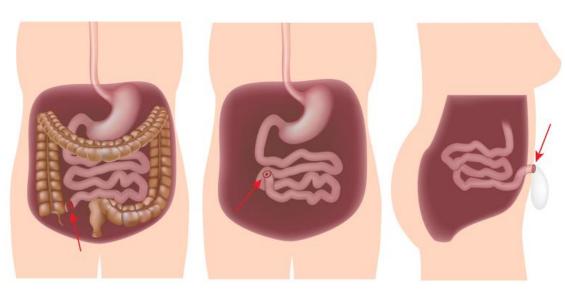
Crohn's Disease



Ulcerative Colitis



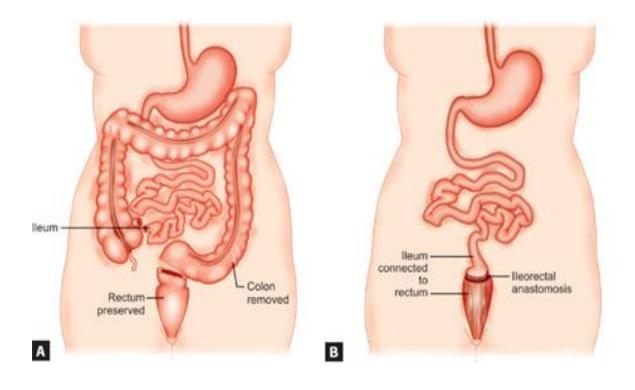
The whole colon, without skips is affected by an irregular mucosa with loss of normal haustral markings.



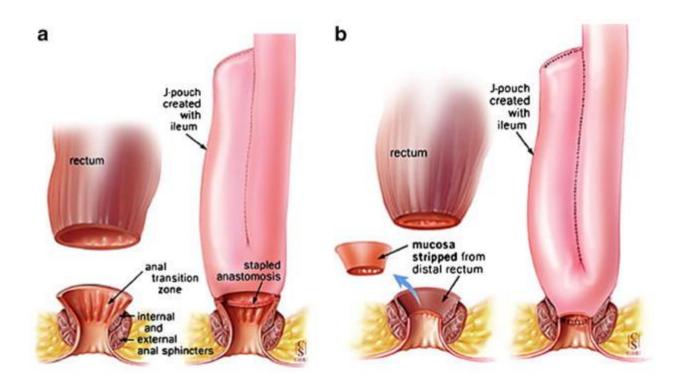
Colon and rectum removed

End of ileum brought out as an ileostomy Front view Side view

Proctocolectomy with ileostomy



Total colectomy with ileorectal anastomosis



Proctocolectomy with distal rectal mucosectomy and ileal pouch is anastmosed to the anal canal