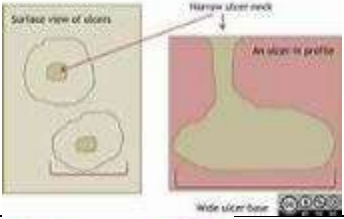


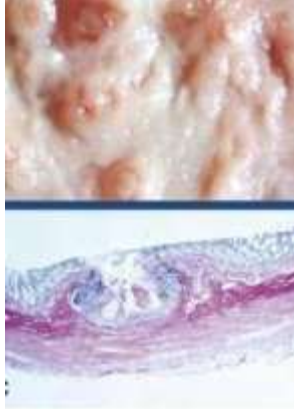
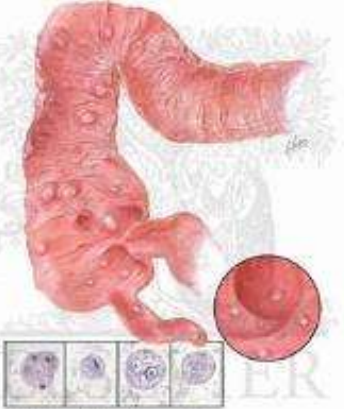


XVII. Diseases of the Digestive System

Amoebic Dysentery III- 4, 3. 441			
A piece of large intestine:			
	Mucosa:	<ul style="list-style-type: none"> • Is swollen (in parts) • Soft (in parts) • Shredded and necrotic • Greenish-yellow (bile-stained) • With blood-stained sloughs • Ulcerated (in parts) 	<p>Flask-shaped amoebic ulcers</p>  <p>Surface view of ulcers</p> <p>Narrow ulcer neck</p> <p>An ulcer in profile</p> <p>Wide ulcer base</p>
	Mucosa in between ulcers:	<ul style="list-style-type: none"> • Rather healthy • Not inflamed • No exudate 	
	Ulcers:	<ul style="list-style-type: none"> • Numerous • Small (some) • Moderately-large (1 cm. in diameter; few) • Rounded in shape (majority) • Slightly irregular (few) • Rather deep • Well-spaced 	
	Margins:	Are raised	
	Edges:	<ul style="list-style-type: none"> • Undermined • Flask-shaped 	
			

N.B.I:

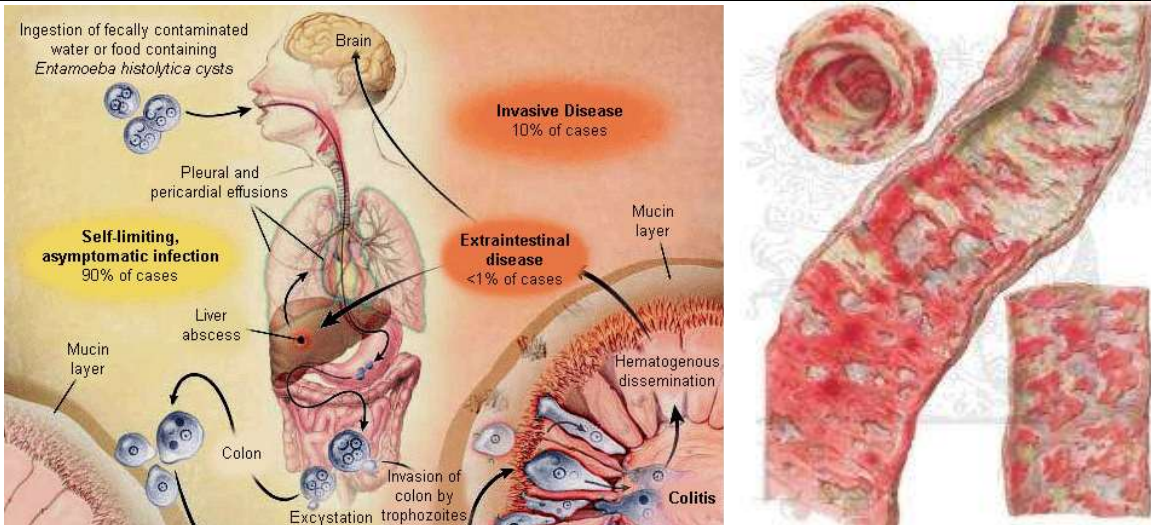
Sites of lesions in amoebic dysentery are mainly in the large intestine specially :

1. Caecum and ascending colon.
2. Sigmoid colon and rectum.

The main lesions:

- At first, there occurs a pre-ulcerative stage when the *Entamoeba histolytica* go deep into the mucosa and submucosa.
- There occur small areas of necrosis which, at the level of the muscularis mucosa, spread laterally (in the submucosa) to form a narrow neck and a broad base (**collar-button ulcers** will result from this undermining of overlying mucosa).
- The overlying surface-mucosa is deprived of its blood supply (ischaemic necrosis), undergoes sloughing and finally an ulcer is formed.

- ***The ulceration, being the result of chemical digestion of the necrosed tissue (by active proteolytic enzymes), shows no suppuration (except in very rare cases, when there is superadded secondary infection from the intestine).***



N.B.2:

- Many individuals harbor the parasites without developing the clinical disease; others develop the disease and its anatomic lesions (*insidious diarrhoea, painful cramps at abdomen, and colitis*).

Intestinal Amoebiasis III – 4, 3. 44a

A piece of large intestine:

• ***Peritoneal covering:***

- Somewhat dull

Shows areas of healthy mucosa:

- No ulcers in them.
- Other areas show ulceration

Ulcers:

- Numerous
- Large
- Irregular
- Confluent
- Necrotic
- With shredded sloughing material
- Reddish (blood-stained)
- Greenish-yellow (bile-stained)

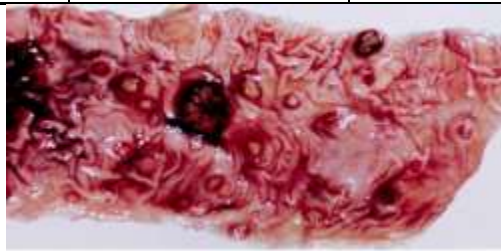
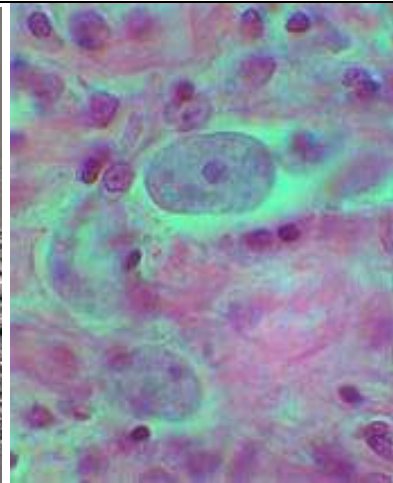
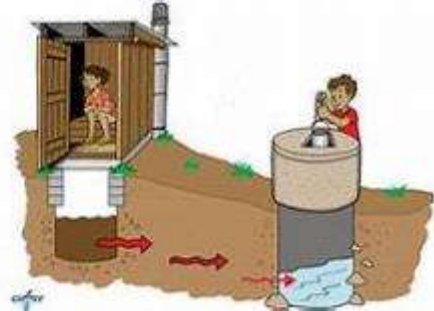


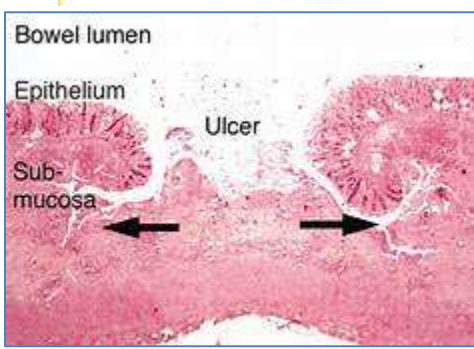
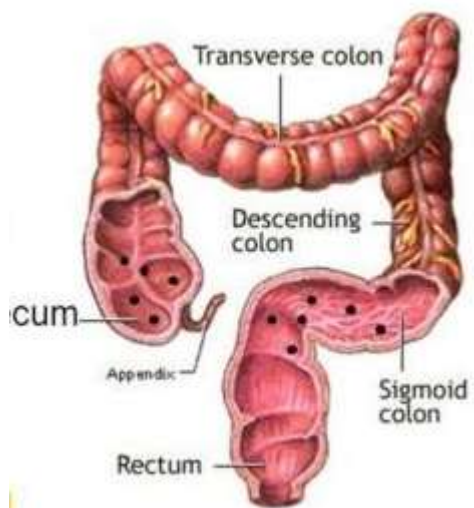
Figure 139
Nature Amoebic Dysentery (large intestine)
Specimen No.: III-4,3.441
Reference P. 241

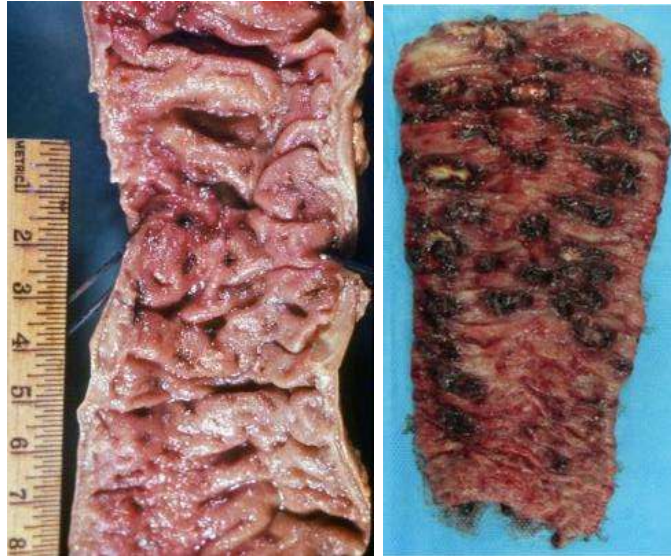


Signs and Symptoms

Severe symptoms:

- Abdominal tenderness
- Bloody stools
- Fever
- Vomiting





This is the fulminating type of amoebic dysentery.

N.B.:

Complications:

1. Intestinal disturbances.
2. Occasional formation of a localized area of amoebic granulomatous reaction (amoeboma).'
3. Perforation (rare).
4. Erosion of portal venules and development of amoebic liver abscess → subphrenic abscess or empyema or/and lung abscess → abscess in the brain or other hematogenous amoebic abscesses.

Amoeboma					
A piece of colon at caecum:	<ul style="list-style-type: none"> • Is opened to show its interior • Shows a mass (with no ulceration) 				
	Lumen of caecum:	Is reduced			
The mass:	<ul style="list-style-type: none"> • Lies at the junction of caecum and colon • Is moderately-large (about 5 x 6 x 7 cm.) • Has filled the caecum and produced thickening of its wall • Shows necrosis at its margins • Has replaced the musculosa at this area Is firm-to-hard in consistence • No affection of the adjoining portions of the ascending colon and ileum 				

N.B.:

- The condition was present in a **male adult patient who complained, for several weeks, of irregular gastro-intestinal troubles.**
- The presence of a **fixed palpable mass**, which was rather tender, in the right iliac fossa suggested the possibility of **appendicular abscess or malignancy.**
- After surgical removal, histologic examination proved the mass to be an amoeboma.