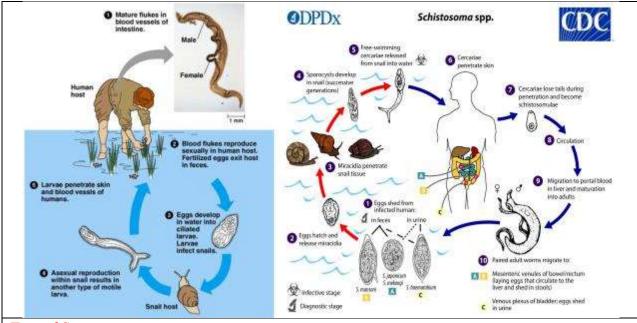
Bilharzial Polypi			of the Digestive		
A piece of large integ	<i>,</i>	Iucosa:	Is congested		
			Thickened		
			Shows:	Sandy patches	
	P	Polypi:	Multiple		
			• Variable in	n size	
			• Variable in	shape	
			 Pedunculated (some) Sessile (some) 		
		• Branching (few)			
		• Granular s	•		
		• Small (in le	ength or diameter)		
			Moderate i	n size (some)	
Sandy patches:		0.	Irregularly-distributed		
		••••	Dirty greyish-yellowish		
			• Granular s	urface	
		R S			
N.B.: Bilharzial pol <i>papillomata l</i>	• •	nmatory i	n nature; and, the	ey are differentiated f	rom neoplastic
2. As	canularity of a sociated Bilh sociated Bilh icroscopic ex	arzial les	tions.		
	-			he pelvic colon and r	rectum.
N.B.2:					
	•	•		osoma mansoni in m	ost cases
, ,			me cases (13%).		
Sites: Most common	(ana may sla				
• The <u>rectum,</u> • Then extends	unwanda ta -	nativia ant	0.14		
• Then extends	upwaras io p		un,		

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- Other parts of colon and, in severe cases,
- In all the intestines.



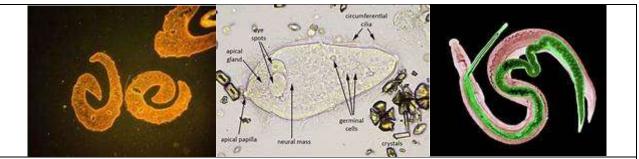
Fate of S. ova:

- Ova are laid usually in the submucosa (more vascular):
- 1. Some ova pierce through the mucosa \rightarrow pass in faeces.
- 2. Some ova are phagocytosed (by histiocytes and giant cells).
- 3. Many ova remain in the tissue \rightarrow excite <u>Bilharzial reaction around them or may die</u> <u>and then calcify.</u>
- 4. Bilharzial granulation tissue \rightarrow fibrous tissue.

Fate of worms:

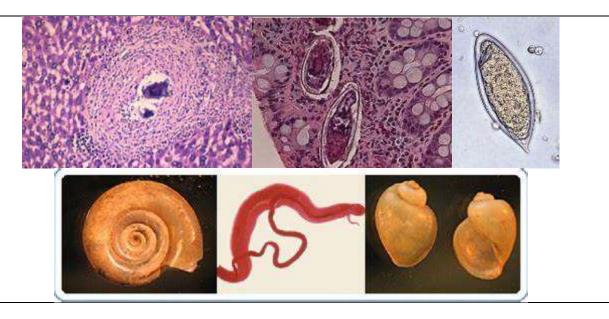
- Many are present in the coats of the gut (and even in other sites in the body); they may deposit eggs <u>which are permanently shut in deep structures</u> → a closed Bilharzial lesion (no ova pass in the faeces).
- Usually, it is an open Bilharzial lesion → <u>ova</u>, <u>blood</u> and <u>mucus</u> pass in faeces → Bilharzial dysentery.

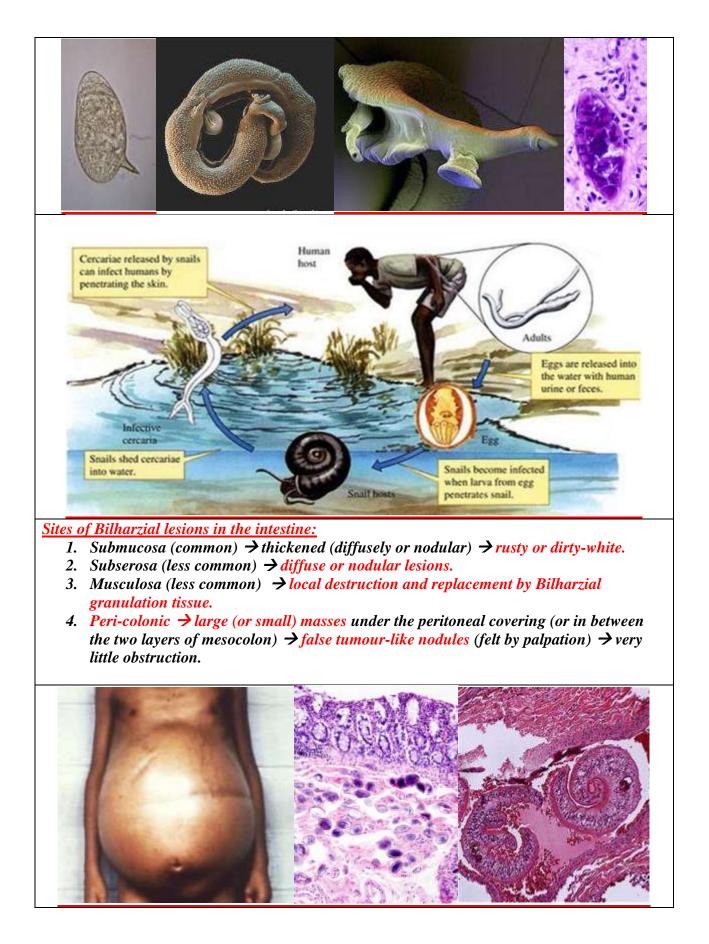


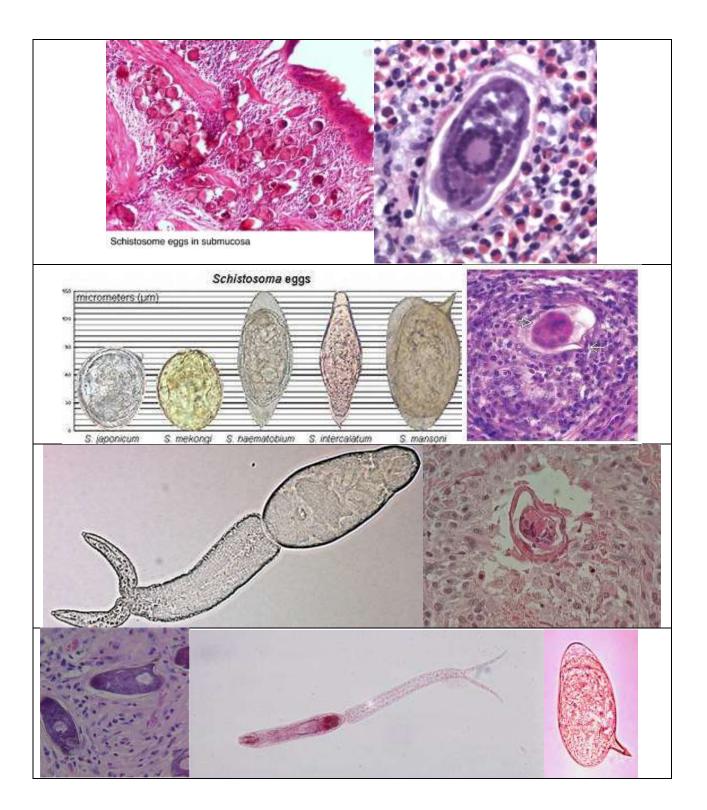


<u>Manifestations</u>

- 1. Bilharzial dysentery due to colitis. S. ova under the mucosa \rightarrow congestion and oedema, then fibrosis \rightarrow fixation of mucous membrane to the underlying submucosa.
- 2. Sandy patches: Dirty yellow granular patches due to calcified S. ova.
- 3. Ulceration:
 - **Primary** (levelling with the surface of mucosa) and/or
 - Secondary (on surface of polypi).
- 4. They are irregular ulcers with *denuded edges; when scraped by a glass slide* → ova are detected by microscopic examination.
- 5. *Polypi:* Specially marked in the rectum; frequently compound, branched and flat.
- 6. If *ulcerate* \rightarrow dysenteric symptoms; and, if twisted \rightarrow watch-glass ulcers.
- The polyps may contain living or/and dead S. ova, worms as well as Bilharzial cellular reaction and granulation tissue.
- <u>Carcinoma in the large intestine</u> may be associated with Bilharziasis of the intestine but there is yet no proof of an inter-relationship between them in the large intestine.
- <u>Stricture and obstruction</u> of the intestine are very rare because the lumen of colon is wide enough and because the S. ova are chiefly deposited in the submucosa and only rarely in the musculosa.
- <u>Bilharziasis of the small intestine</u> may occur in rare cases.
- Usually the lesions produced are not easily detected by naked-eye examination.
- <u>However, S. ova</u> can be detected on microscopic examination.
- <u>The stomach</u> is a very rare site for deposition of S. ova (only in severe infection).
- The mesenteric lymph nodes and peritoneum may also show Bilharzial lesions.







Intestinal Bilharziasi					
A piece of large intest	ne: Is thicker	Is thickened			
Мисо	a: • Yello	ow (in parts)			
	Cong	Congested (in parts)			
	• Haen				
	• Grey	yish-brownish-reddish			
Lumen:	Is narrow	Is narrowed (slightly)			
Wall:	Shows fi	Shows fibrous tissue-overgrowth			
Shows:	1. Ulcer				
	2. Poly	/pi			
	3. Sand	ly patches			
Ul	ers:	Numerous			
		• Small			
		• Superficial			
		• Round (or ovoid)			
		• Have clear cut edges (few)			
		• Show finely-granular irregular edges (moth-eaten			
		appearance; majority)			
		• Few are confluent and moderately large			
		• Greyish-brownish (or brownish-grey)			
		Finely-granular floor			
Po Po	ypi:	• Multiple			
		Sessile or/and pedunculated			
		Granular surface			
		Occasional secondary ulcers" on their surface			
Sa	dy patches:	• Very few scattered greyish-yellow patches			

N.B.:

• To verify the diagnosis, the scrapings of the mucosa of the rectum are examined for Bilharzia ova.

• Usually in Bilharziasis of the intestine, no actual Bilharzial stricture occurs.

