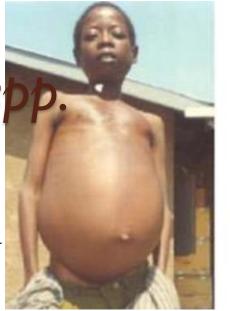
Helminth

M.Sc. Ruqyaa k.J

https://www.youtube.com/watch?v=AwqOWNILG3M

Schistosoma s

There are three main types of schistosomiasis, caused by closely related organisms:

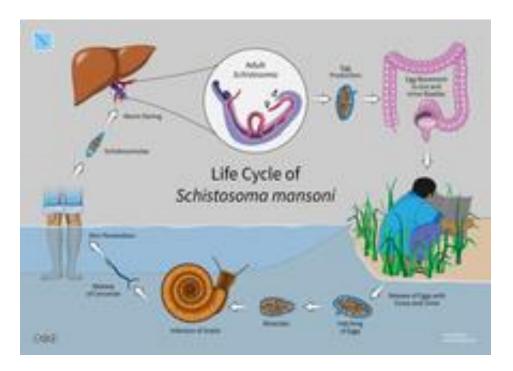




- (1) Japonica, or Eastern, schistosomiasis is caused by *Schistosoma japonicum*.
- (2) Manson's, or intestinal, schistosomiasis is caused by *S. mansoni*.
- (3) Vesical, or urinary, schistosomiasis is caused by *S. haematobium*.

- A saxual formes (snail).
- Eggs
- larvae (called miracidia).
- sporocysts
- Cercaria

- saxual formes (Human)
- Schistosomula
- adults



Adult flukes are elongate tubular worms (10-20mm long), with rudimentary oral and ventral suckers. Males are shorter and stouter than females, and they have a longitudinal cleft (gynecophoral canal or schist) in which the longer slender female lies folded.



Ascaris lumbricoides

Ascaris lumbricoides,

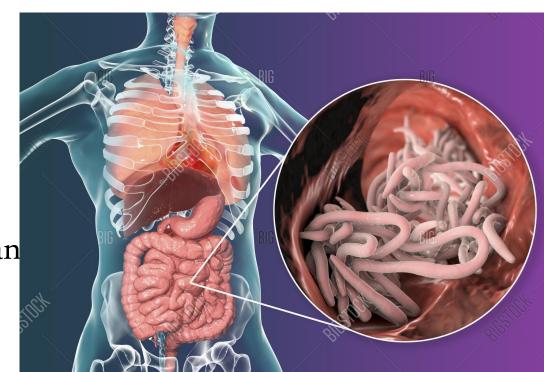
a roundworm, infects human

via the fecal-oral route.

Eggs released by adult females

are shed in feces.

This organism is responsible for the disease ascariasis.

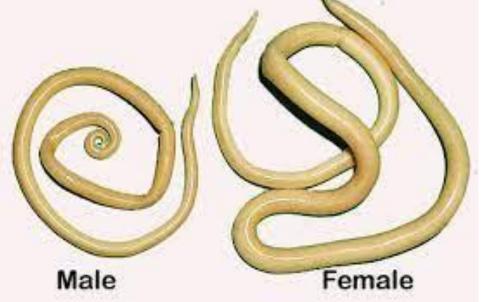


- Fertilized eggs wide with a thick outer shell.
- Ascaris lumbricoides is characterized by its great size. Males are 15–31 cm long.



 The male's posterior end is curved ventrally and has a bluntly pointed tail.

Females are 20–49 cm long.



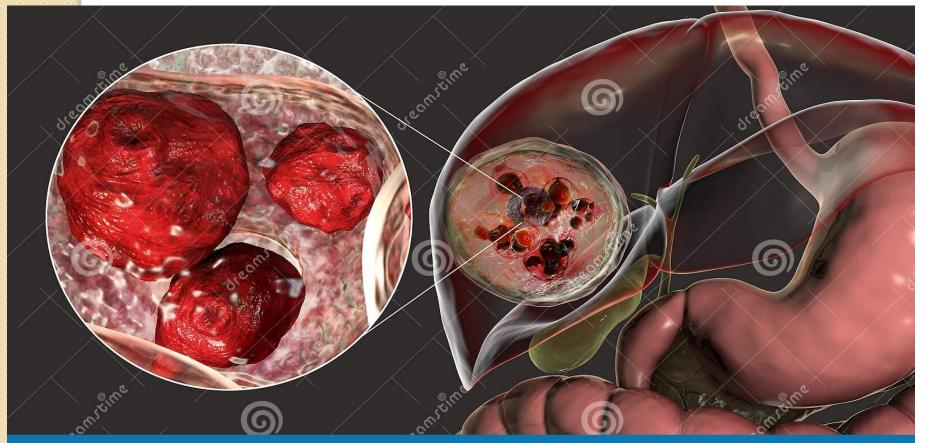
Echinococcus granulosus



• also called the hydatid worm, hyper tape-worm or dog tapeworm, is a that dwells in the small intestine of canids as an adult, and humans, where it causes cystic echinococcosis, also known as hydatid disease.



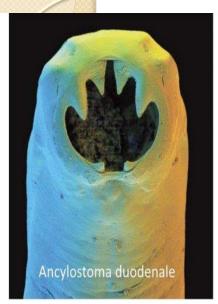
• Human echinococcosis (hydatidosis, or hydatid disease) is caused by the larval stages of cestodes (tapeworms) of the genus *Echinococcus. Echinococcus granulosus* (sensu lato) causes cystic echinococcosis and is the form most frequently encountered.

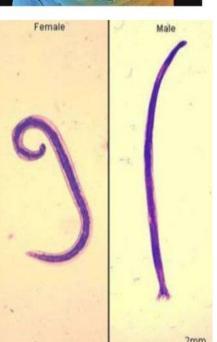


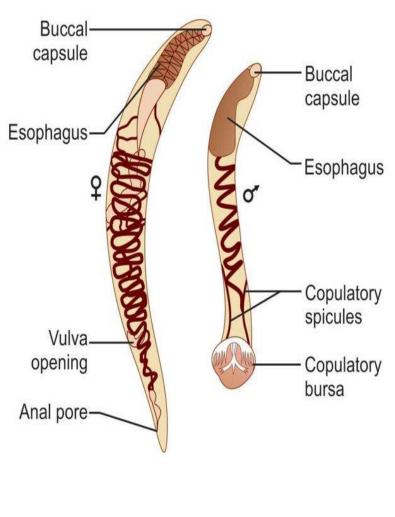
Ancylostoma Duodenale

- The adult hookworms reside in the small intestine-of man particularly in the jejunum, less often in the duodenum, and rarely in the ileum.
- It causes "ancylostomiasis" in man









The female worms measure about 10 to 13 mm x 0.6 mm while the males measure about 8 to 10 mm x 0.5 mm.



ancylostoma duodenale egg

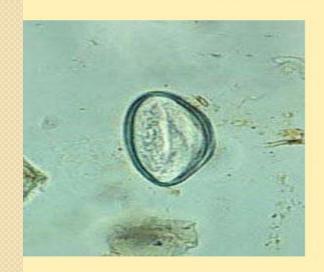
https://www.youtube.com/watch?v=GHYZhcQF-7l

Enterobius vermicularis



• Enterobius vermicularis, also called pinworm, is one of the most common helminth infections in the world, with most cases occurring in children.

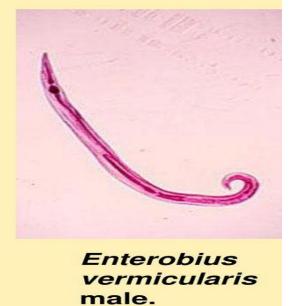
Enterobius vermicularis.



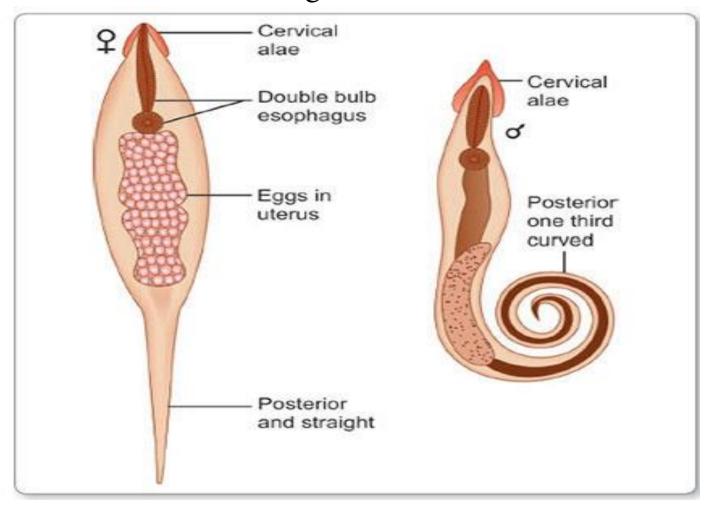
Enterobius egg in feces.



Enterobius vermicularis female.



Female worms are around 8 to 13 mm long while male worms are 2 to 5 mm long.



https://www.youtube.com/watch?v=38j8RxaJjnw

Thank you