

1	Infective stage	Diagnostic stage	The shape of its egg	The cycle	Notes	Some symptoms and info
Ascaris lumbricoids	Ingestion of Embryonated egg	Fertilized / unfertilized egg excreted with feces ( not immediately infectious )	Egg with bumps	We ingest the embryonated egg the it will reach to the small intestine and their the eggs will hatch and cross the mucosa and submucosa so it reach to the circulation and move through the blood until it reach the lung capillaries so it reach up and you swallow it again and it will reach to intestine as mature adult and it will secrete its egg there	<p>The fertilized egg need 3 weeks in the soil in order to become embryonated so now it become infectious</p> <p>There is transpulmonary root</p>	<p>Usually its asymptomatic until it become in large amount it will make symptomatic mechanical obstruction / us abdominal pain / vomiting /pneumonitis / bronchial spasm / Loffler syndrome( eosinophilia)</p>

Name  2	Infective stage	Diagnostic stage	The shape of its egg	The cycle	Notes	Some symptoms and info
Enterobius vermicularis /pinworm/	Ingestion of Empryonated egg	Eggs that found at perianal region	Football like / with clear shell / we can see the larva inside the egg	We ingest the embryonated egg it reach to the intestine and hatch there	The eggs are immediately infectious  No transpulmonary root	Its most common among children / the symptoms : mainly itchy during night due to the eggs that laid around the perianal region at night by female worm which migrate down from colon

3	Infective stage	Diagnostic stage	The shape of its egg	The cycle	Notes	Some symptoms and info
Teichuris trichiura /whipworm/	Ingestion of the egg	Eggs in the stool	Polar plugs	We ingest the egg then its hatch inside the colon	<p>Doesnot immediately infect but it need 3 weeks in soil and after that it become infectious</p> <p>/no transpulmonary root</p>	<p>-----</p>

4	Infective stage	Diagnostic stage	The shape of its egg	The cycle	Notes	Some symptoms and info
Ancylostoma duodenal + necator amrecanus /hookworms/	Penetration of rhabiditiform through the skin NOT EGG NOT INGESTION	Eggs in feces		The rhabiditiform penetrate the skin ( usually the skin of the feet or ankle )then it go to the intestine through random routes and in the intestine it will develop into adult worm so its secrete eggs and this eggs excreted with feces and hatch outside the body to give us ( rhabiditiform) and so on ....	They pass through pulmonary route	The adult worm attach to the intestinal villi ( and because it have it teeth like structure ) It will lead to bleeding ( so I will have blood with stool ) / abdominal pain/ diarrhea .  /the worms in the intestine can cause hookworm disease which characterized by severe anemia and iron deficiency

<p>Srongyloides Stercoralis /threadworm/</p>	<p>Ingestion of the larva not eggs</p>	<p>Larva</p>	<p>-----</p>	<p>We ingest the larva and its reach to the intestine and the mature adult will secrete eggs and this eggs will hatch inside the body ( autoinfection) when the laeva hatch the egg it pass into feces so we srr in feces( larva)&gt;&gt; parasitic life cycle .</p>	<p>They don't need to meet with male worm to reproduce</p> <p>This worm is the ONLY one that hatch inside the body ..</p>	
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6	Infective stage	Diagnostic stage	The shape of its egg	The cycle	Notes	Some symptoms and info
Trichinella spiralis	Eating raw or improperly cooked pork with larva		-----	we eat the larva and then it go to the small intestine, this larva become adult worm and it will put larva directly WITHOUT EGGS, the larva penetrate the intestine and circulating in the blood and eventually it will encyete in the (تنكيس) muscles	THE ONLY INTRACELLULAR WORM ... All the previous ones are extracellular .  It doesn't release eggs .	It cause diarrhea /abdominal pain /nausea  The intestinal symptoms are none to mild and usually unnoticeable

\*\*\*VERY IMPORTANT : this

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BEST WISHES

Tables include ONLY

intestinal helminths so refer to the slides (

lec18) to complete your job

