

Fasciola

schistosoma

adult



F.gigantica



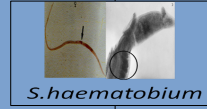
F.hepatica



heterophyes



paragonimus



S.haematobium



S.mansoni

Diagnostic stage



Eggs in stool



Eggs in stool



Eggs in sputum or stool



Eggs in urine



Eggs in stool

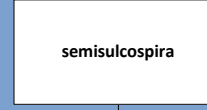
1st intermediate host



Lymnaea cailliaudi



(*Pirenella conica*)



semisulcospira



Bulinus truncatus



Biomphalaria alexandrina



(leptocercous cercaria)



(lophocercous cercaria)



(microcercous cercaria)



(furcocercous cercaria)

2nd intermediate host

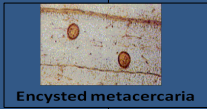


Bolti or Boury fish



shrimps, crabs or cray fish

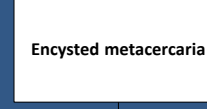
Infective stage



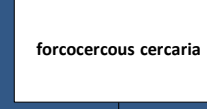
Encysted metacercaria



Encysted metacercaria



Encysted metacercaria



forcocercous cercaria

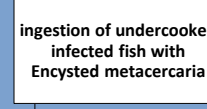
Mode of infection



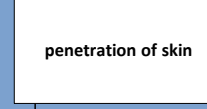
ingestion of contaminated green vegetables or water



ingestion of raw, undercooked or undersalted infected fish



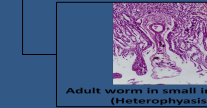
ingestion of undercooked infected fish with Encysted metacercaria



penetration of skin

Stage, habitat & disease in human

adult worm in bile duct (fascioliasis)



Adult worm in small intestine (Heterophyiasis)

adult worms in cystic cavities in lung (paragonimiasis)

adult worm in inferior mesenteric venous plexus (schistosomiasis)

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Cestoda

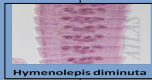
adult



Diphylobothrium latum



Hymenolepis nana



Hymenolepis diminuta



Dipylidium caninum



Taenia saginata



Taenia solium



Echinococcus granulosus (in dogs)

Diagnostic stage



mature segments & egg in stool



egg in stool



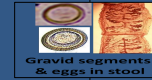
Egg in stool



Gravid segments & egg capsules in stool

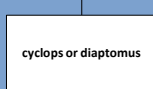


Gravid segments & eggs in stool



Gravid segments & eggs in stool

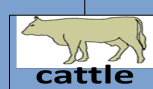
1st intermediat host



cyclops or diaptomus



eaten by flea larva



cattle



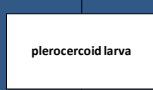
pig

2nd intermediat host

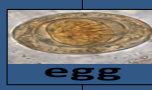


Salmon fish

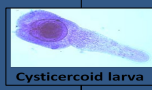
Infective stage



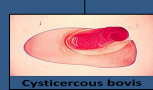
plerocercoid larva



egg



Cysticercoid larva



Cysticercus bovis



Cysticercus cellulosae



egg

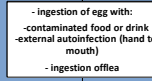


eggs

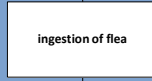
Mode of infection



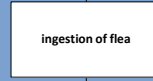
ingestion of raw, undercooked or undersalted infected fish



- ingestion of egg with:
- contaminated food or drink
- external autoinfection (hand to mouth)
- ingestion of flea



ingestion of flea



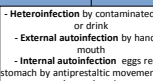
ingestion of flea



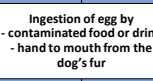
ingestion of undercooked infected beef with Cysticercus bovis



ingestion of undercooked infected pork with Cysticercus cellulosae

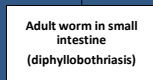


- Heteroinfection by contaminated food or drink
- External autoinfection by hand to mouth
- Internal autoinfection eggs reach stomach by antiprestaltic movement then descend again

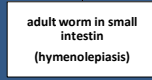


ingestion of egg by
- contaminated food or drink
- hand to mouth from the dog's fur

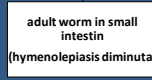
Stage, habitat & disease in human



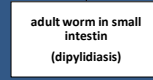
Adult worm in small intestine (diphylobothriasis)



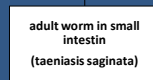
adult worm in small intestine (hymenolepiasis)



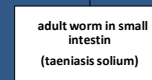
adult worm in small intestine (hymenolepiasis diminuta)



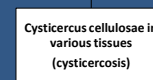
adult worm in small intestine (dipylidiasis)



adult worm in small intestine (taeniasis saginata)



adult worm in small intestine (taeniasis solium)



Cysticercus cellulosae in various tissues (cysticercosis)



Hydatid cyste in various tissues (hydatidosis)

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