

CLONORICHS
DISEASE
CLONORCHISIS

IMPORTANT PROPERTIES

Humans are infected by eating raw or undercooked fish containing the encysted larvae (metacercariae). After excystation in the duodenum, immature flukes enter the biliary ducts and differentiate into adults (Figure 55–2B). The hermaphroditic adults produce eggs, which are excreted in the feces (Figure 55–4C). Upon reaching fresh water, the eggs are ingested by snails, which are the first intermediate hosts. The eggs hatch within the gut and differentiate first into larvae (rediae) and then into many free-swimming cercariae. Cercariae encyst under the scales of certain freshwater fish (second intermediate hosts), which are then eaten by humans.

PATHOGENESIS

- In some infections, the inflammatory response can cause hyperplasia and fibrosis of the biliary tract, but often there are no lesions. Clonorchiasis is endemic in China, Japan, Korea, and Indochina, where it affects about 20 million people.
- the United States among immigrants from these areas. Clinical Findings Most infections are asymptomatic. In patients with a heavy worm burden, upper abdominal pain, anorexia, hepatomegaly, and eosinophilia can occur. In some infections, the inflammatory response can cause hyperplasia and fibrosis of the biliary tract, but often there are no lesions. Clonorchiasis is endemic in China, Japan, Korea, and Indochina, where it affects about 20 million people.
- . Clinical Findings Most infections are asymptomatic. In patients with a heavy worm burden, upper abdominal pain, anorexia, hepatomegaly, and eosinophilia can occur.



LAB DIAGNOSIS

- DIAGNOSIS IS MADE BY FINDING
TYPICAL SMALL BROWISH
OPERCULATED EGGS
- 

TREATMENT

- PRAZIQUANTEL

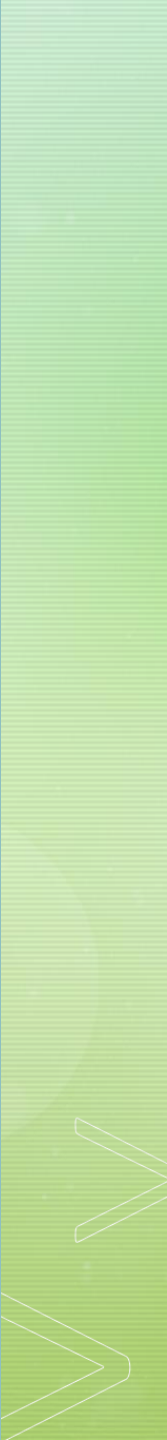


PREVENTION

- ADEQUATE COOKING OF FISH AND PROPER DISPOSAL OF HUMAN WASTE



PARAGONIMUS

- PARAGONIMUS WESTERMANI LUNG FLUKE
 - INFECTION by eating raw or undercooked crab meat
- 

FASICOLA

- FASCIOLAHEPATICA
SHEEP LIVER FLUKE



FASCCILOPSIS

- Fasciolopsis
- Intestinal parasite human nd pigs



heterophyes

- Intestinal parasite of people living in africa middle east nd asia
 - By eating raw fish containing cyst
- 