

# Heterophyidae



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Kingdom: Animalia

Phylum: platyhelminthes

Class: Trematoda

Subclass: Digenea

Order: Opisthorchiida

Family: Heterophidae

Genus: Heterophyes

Species: H.heterophyes



**Outlines**

**Introduction**

**Life cycle**

**Clinical picture**

**Diagnosis and Treatment**

**Prevention and control**

The background is a gradient of blue, transitioning from a lighter shade at the top to a darker shade at the bottom. In the four corners, there are decorative white line-art elements that resemble circuit traces or neural pathways, with small circles at the end of the lines.

## *Heterophyes heterophyes*

It is intestine fluke

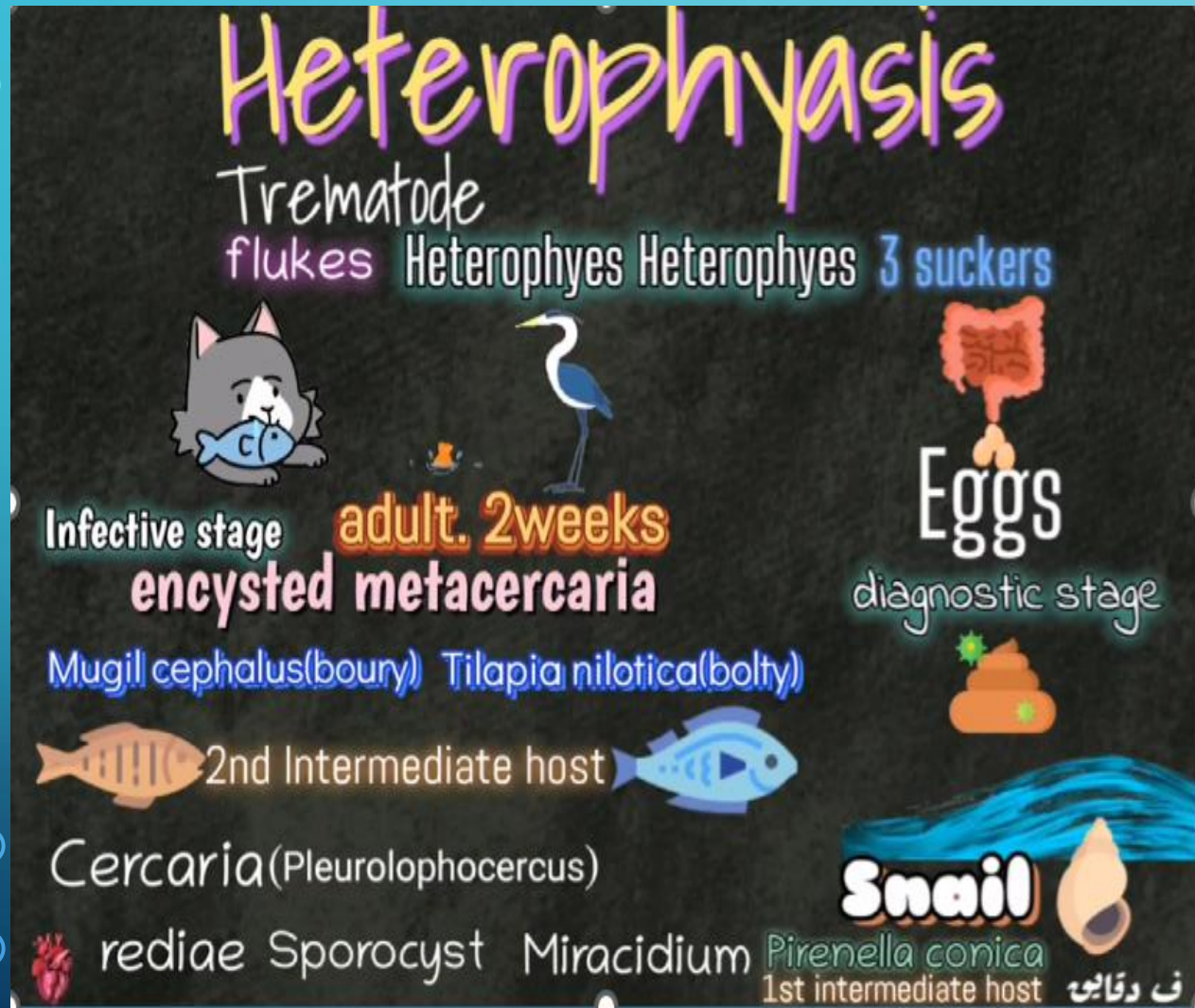
Causes Heterophyiasis



Life cycle , Clinical picture, Diagnosis , Treatment



# Life cycle



**Definitive host: man.**

1st I.H.: snail, Pirenella conica.

2nd I.H.: Mugil (Boury) and Tilapia (Bolty) fish.

Reservoir hosts: cats, dogs, bird, and any fish eating mammals.


Infective stage: encysted metacercaria in The muscles, fin , gills and scales of fish

# Clinical picture

# Heterophyiasis



Trematode  
flukes Heterophyes Heterophyes

**Catarrhal inflammation**  
**Necrosis**  
**Superficial ulcers**  
**Watery diarrhea**




**Poor absorption**

**Ectopic heterophyiasis**



**Myocarditis**

**Transverse myelitis**  
**Loss of sensory and motor function**



ف دقايع




# Diagnosis and Treatment

Search

# Heterophyasis


Trematode  
flukes Heterophyes Heterophyes

## DIAGNOSIS



Clinical  
Laboratory

## TREATMENT



Single oral dose  
**Praziquantel**



## Prevention and control

- Avoid defecation in water.
- Avoid eating raw, insufficient cooked fish or salted less than 10 days.
- Proper grilling of fish.
- Fried fish is safe.
- Periodic examination of fishermen stool for Heterophyes eggs.
- Mass treatment of infected cases. • Snail control.