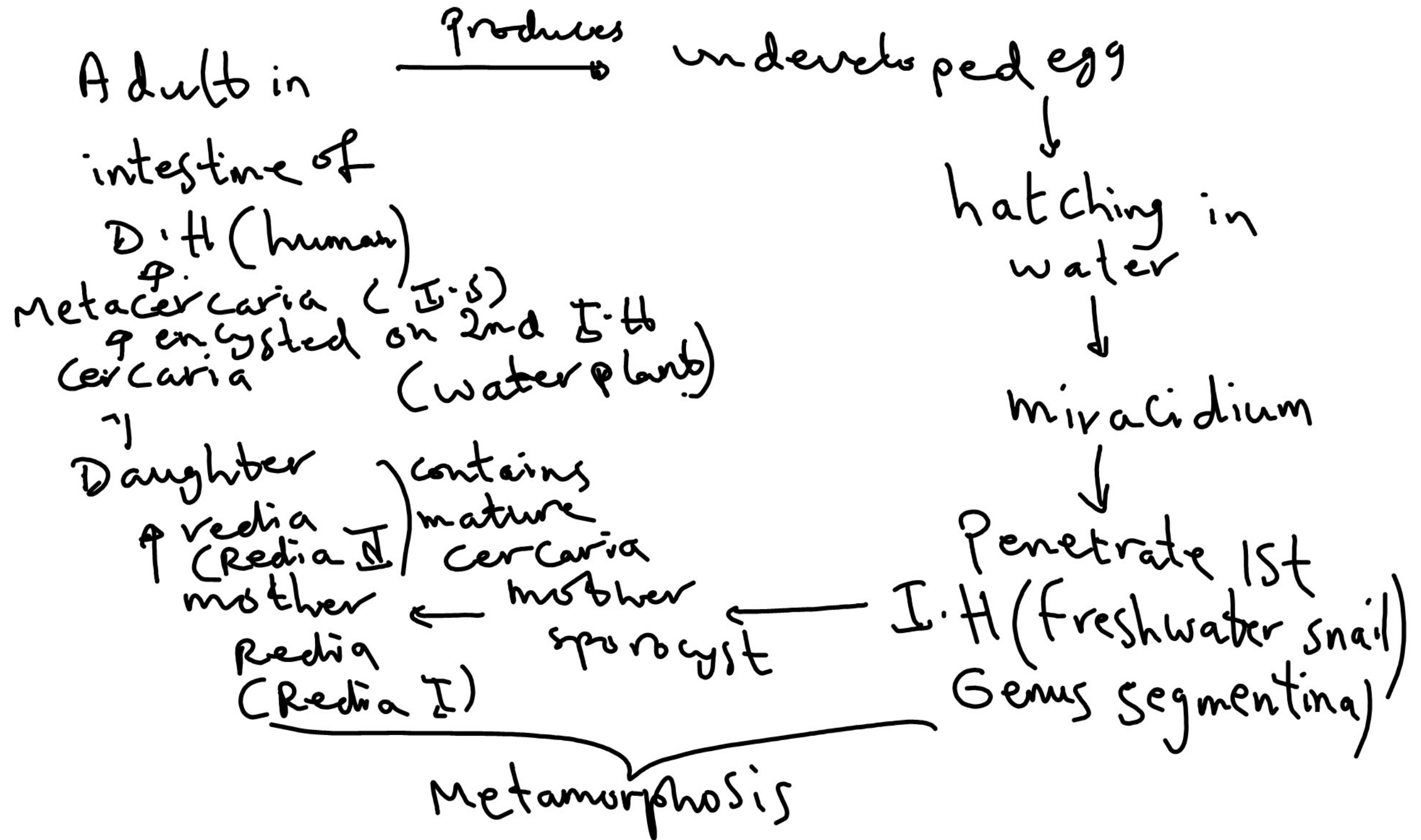




Pathogenesis:

- ① Diarrhea ② vomiting
- ③ loss of weight ④ Hemorrhage (Anemia)
- ⑤ Eosinophilia (increase in the number of Eosinophil (type of W.B.C))

Diagnosis: stool examination.
 . PCR, Ab/Ag reaction.

Treatment: Dichlorophene.

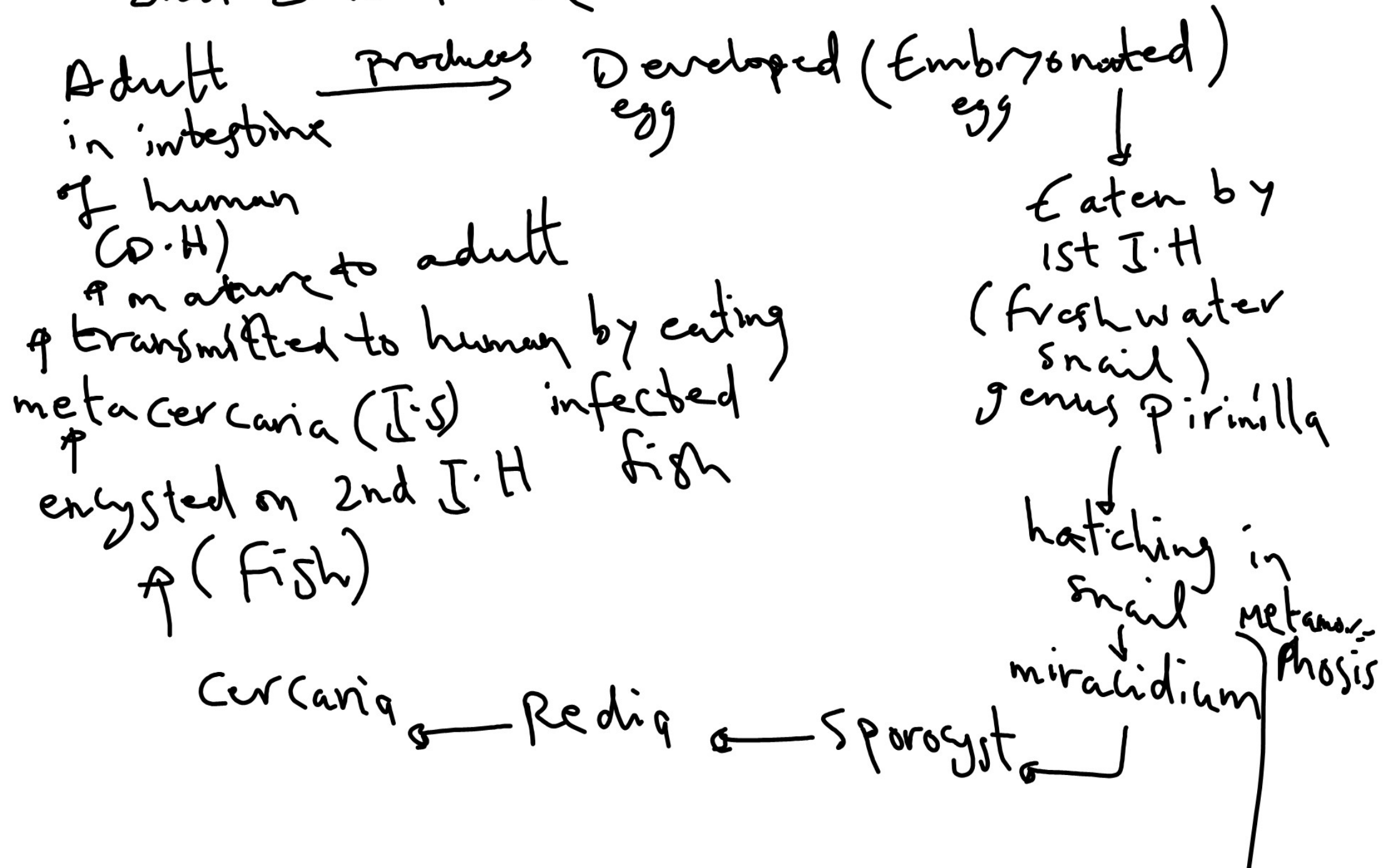
② Heterophyes heterophyes.

D.H: human habitat: Intestine

I.s: Metacercaria Disease: Heterophiasis

1st I.H: fresh water snail (genus: Pirinella)

2nd I.H: fish (genus Tilapia)



Liver flukes

① Fasciola hepatica (Sheep liver fluke)

- Shouldered
- Hermaphrodite

Life cycle: D-H: Mainly sheep.

Accidental D-H: human

I-S: Metacercaria

1st I-H: freshwater snail: genus: *Lymnaea*

- *Succinea*

2nd I-H: water plant

Disease: Sheep liver fluke infection.

- Halzoun (infection of pharynx)

Habitat: Liver, Bile duct.