

Common intestinal parasites of the dog and cat

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Objectives

- Identify adult life stage of common parasites
- Identify microscopic ova
- Understand treatment options
- Steps to control and prevent infection

Common intestinal worms of the dog and cat



Fecal floatation

<https://youtu.be/GbO5NW0w99Y>

Roundworm – Toxocara sp.



Star War inspiration

Roundworm selfie



Roundworm ova

Classic

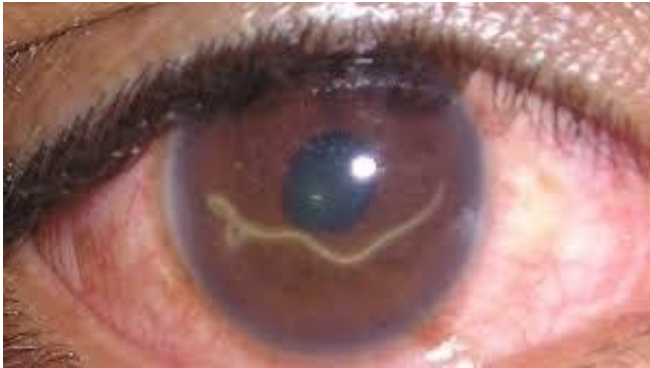


Embryonated



Ocular larval migrans

Close up on human eye



Loss of vision

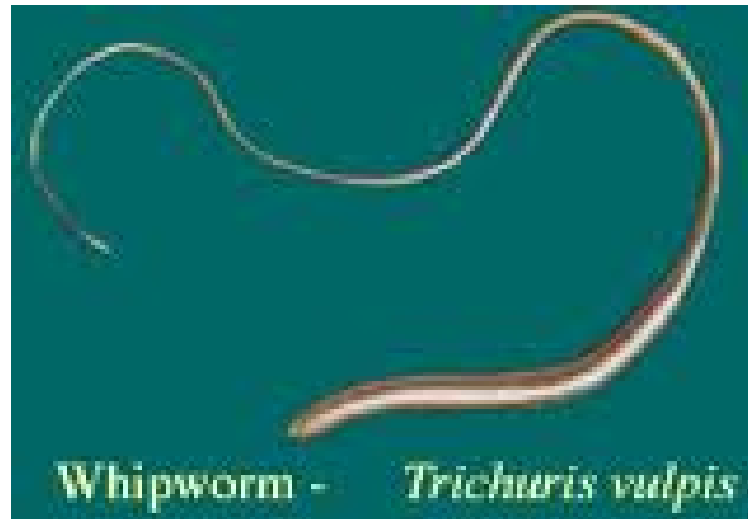


Roundworm treatments

- Pyrantal pamoate: Strongid, Nemex.....
- Fenbendazole: Panacur, Prosense.....
- Albendazole
- Ivermectin: Ivomec, Normectin....
- Drontal Plus
- Most monthly heartworm preventatives
- Treat on a two week cycle

Whipworm

Trichuris sp



Relative size of whipworms



Whipworm ova

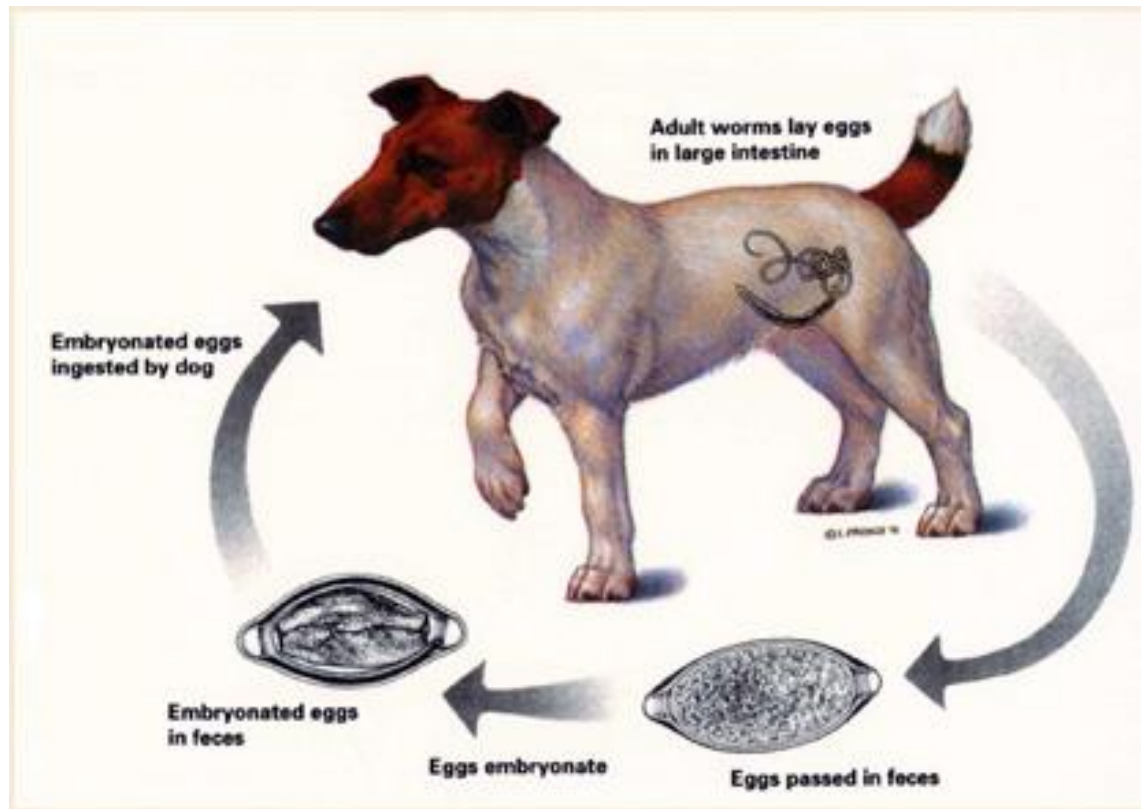
Classic



Embryonated



Whipworm life cycle



Whipworm treatments

- Fenbendazole: Panacur, Prosense
- Drontal plus
- Ivermectin
- Milbemycin heartworm preventatives:
Interceptor, Sentinel
- Treat on a three week cycle

Hookworms

Ancylostoma sp., Uncinaria sp.

Adult worms in intesting



Selfie

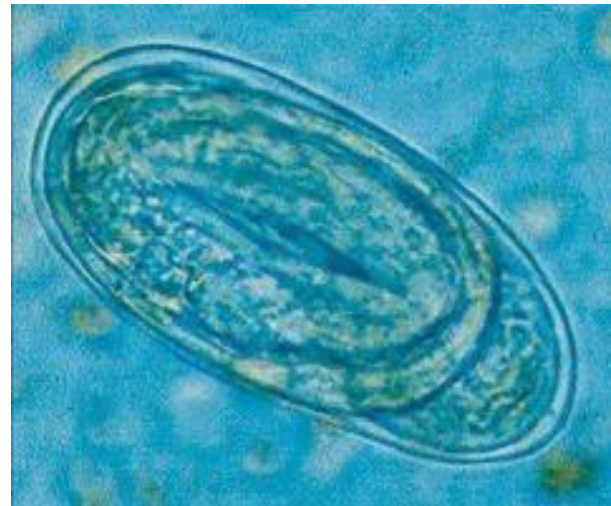


Hookworm ova

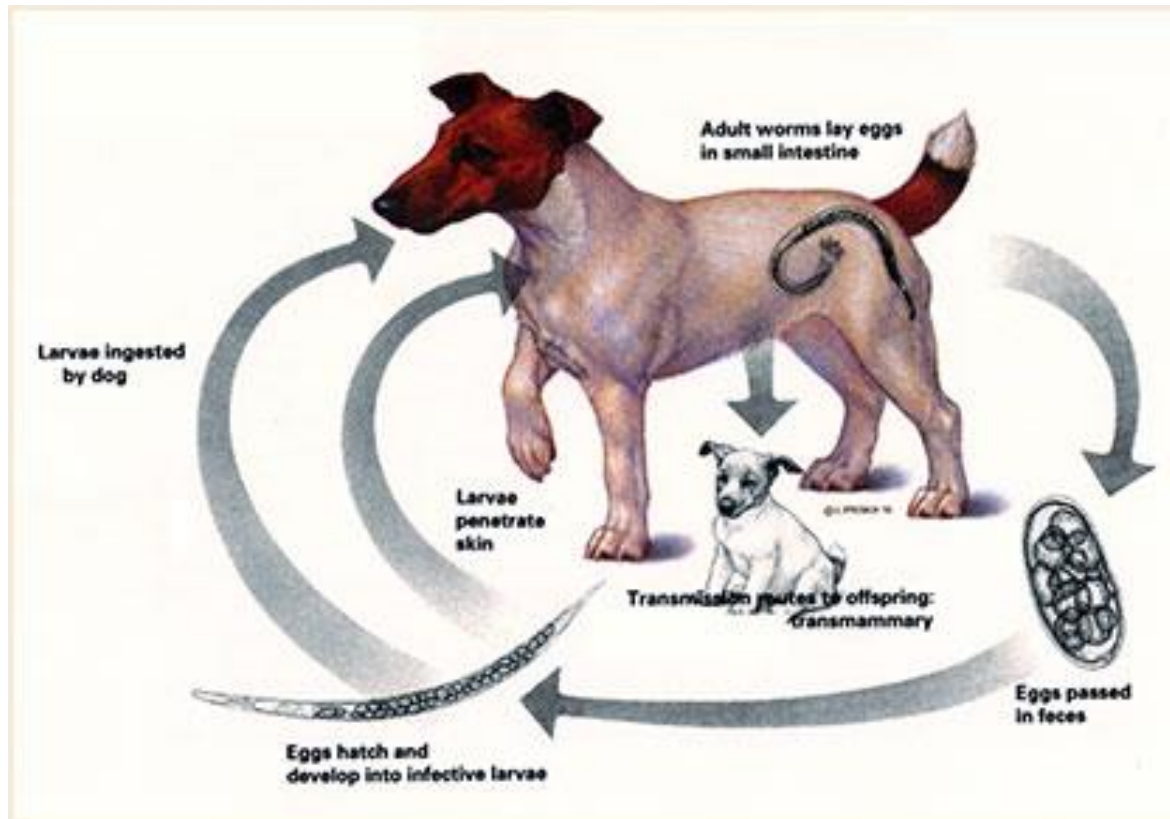
Classic



Embryonated



Hookworm lifecycle



Cutaneous larval migrans



July 4th

July 6th

July 8th

July 9th

July 10th

July 10th

July 11th

Hookworm treatment

- Pyrantal pamoate
 - Fenbendazole
 - Albendazole
 - Ivermectin
 - Most monthly heartworm preventatives
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- Treat on a two week cycle

Tapeworms

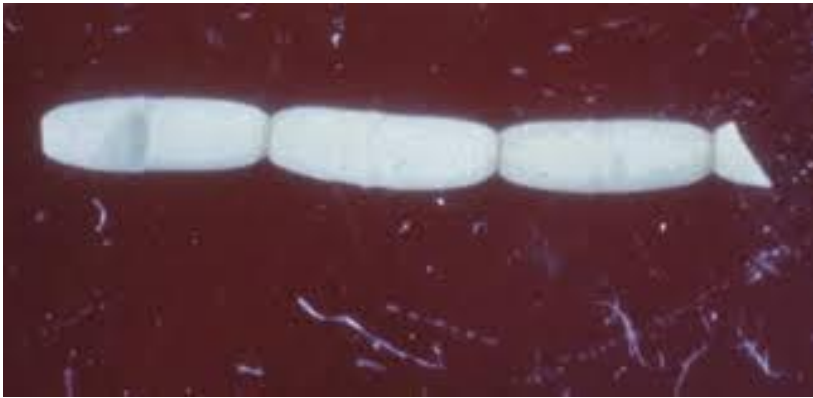
- *Dipylidium* sp.
- *Taenia* sp.
- *Echinococcus* sp.

Dipylidium sp.

The flea tapeworm



Dipylidium segments

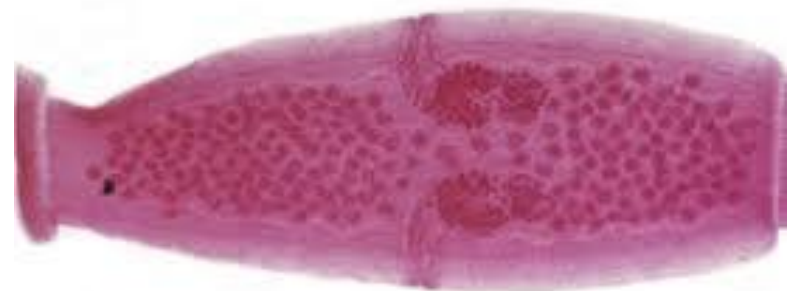
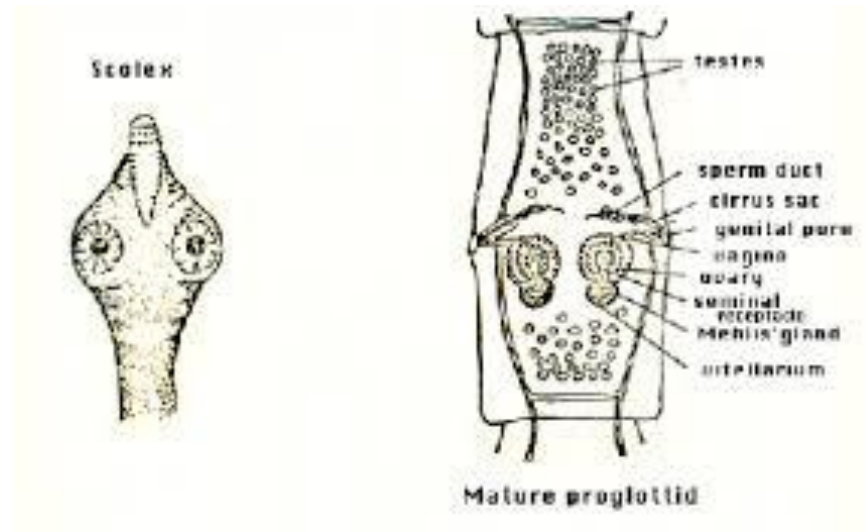


egg



Dipylidium segment diagram

Close up



Most common way to diagnose tapeworms

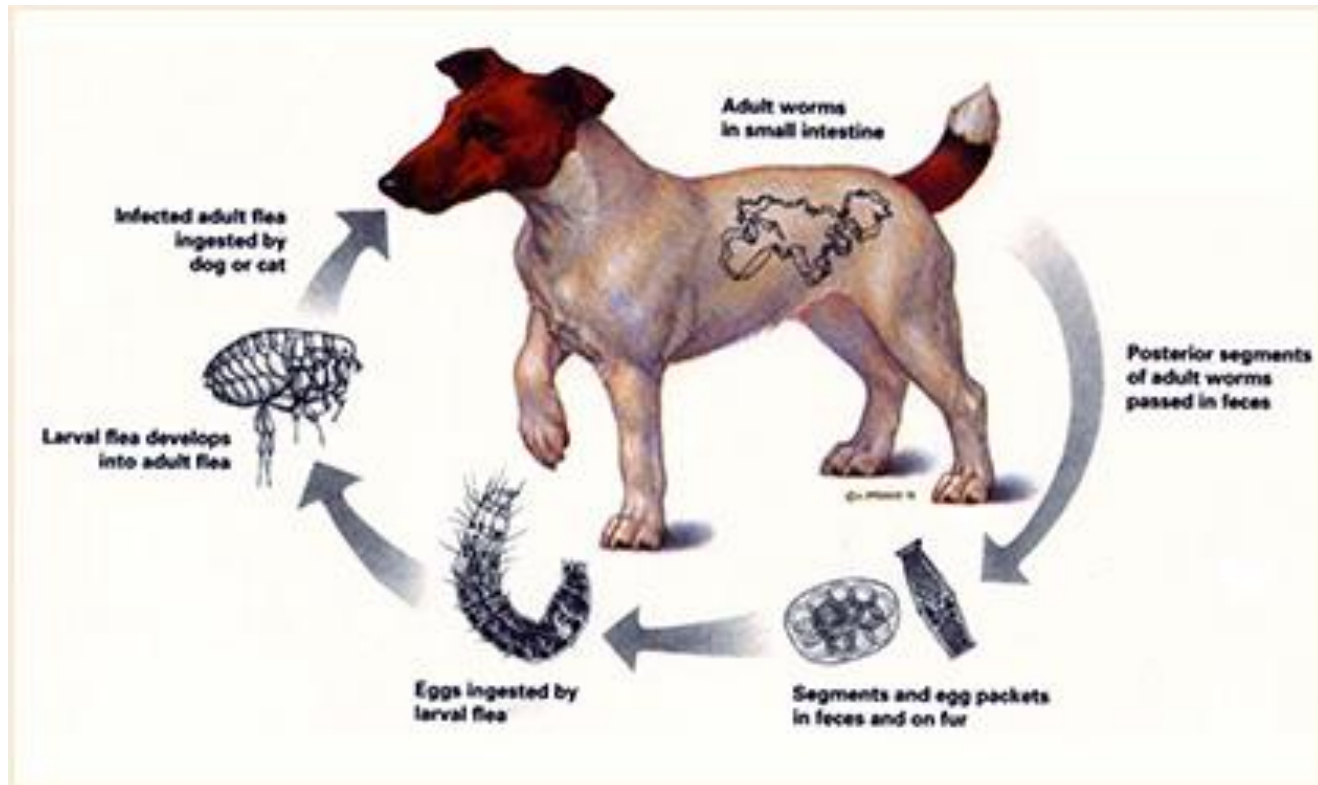
Single mobile segment



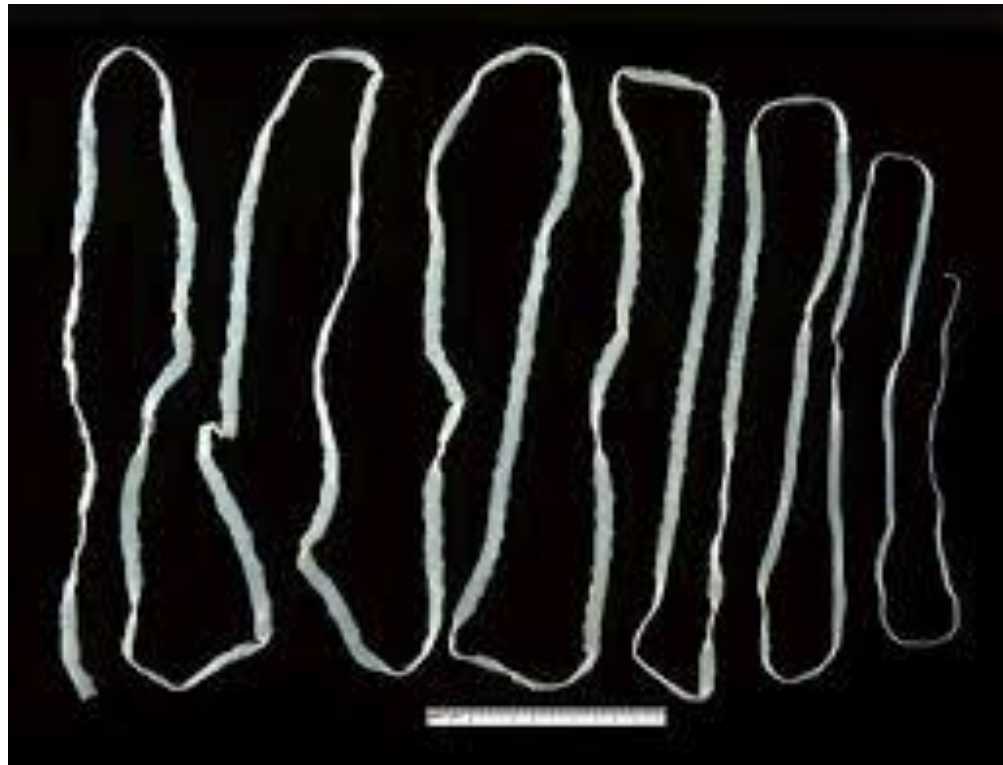
Grains of rice



Dipylidium life cycle



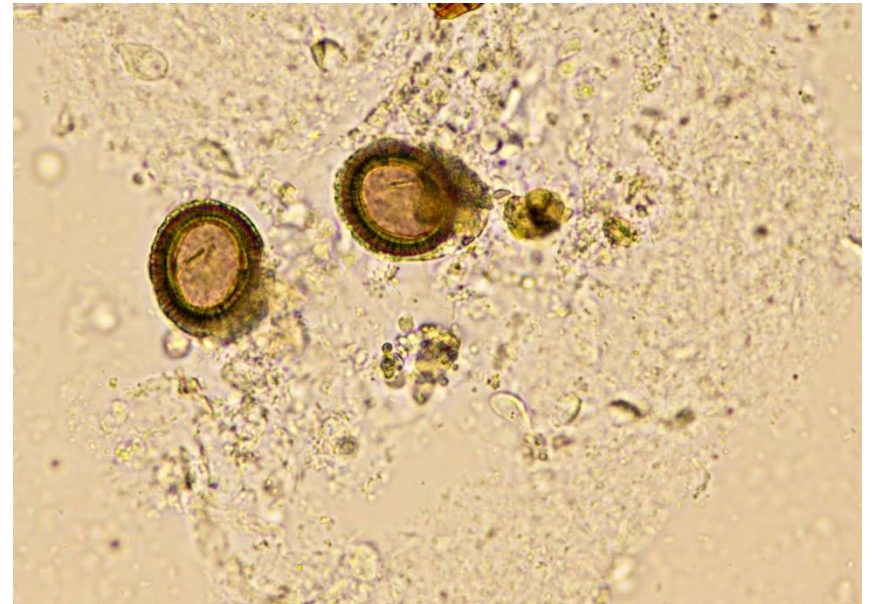
Taenia sp.



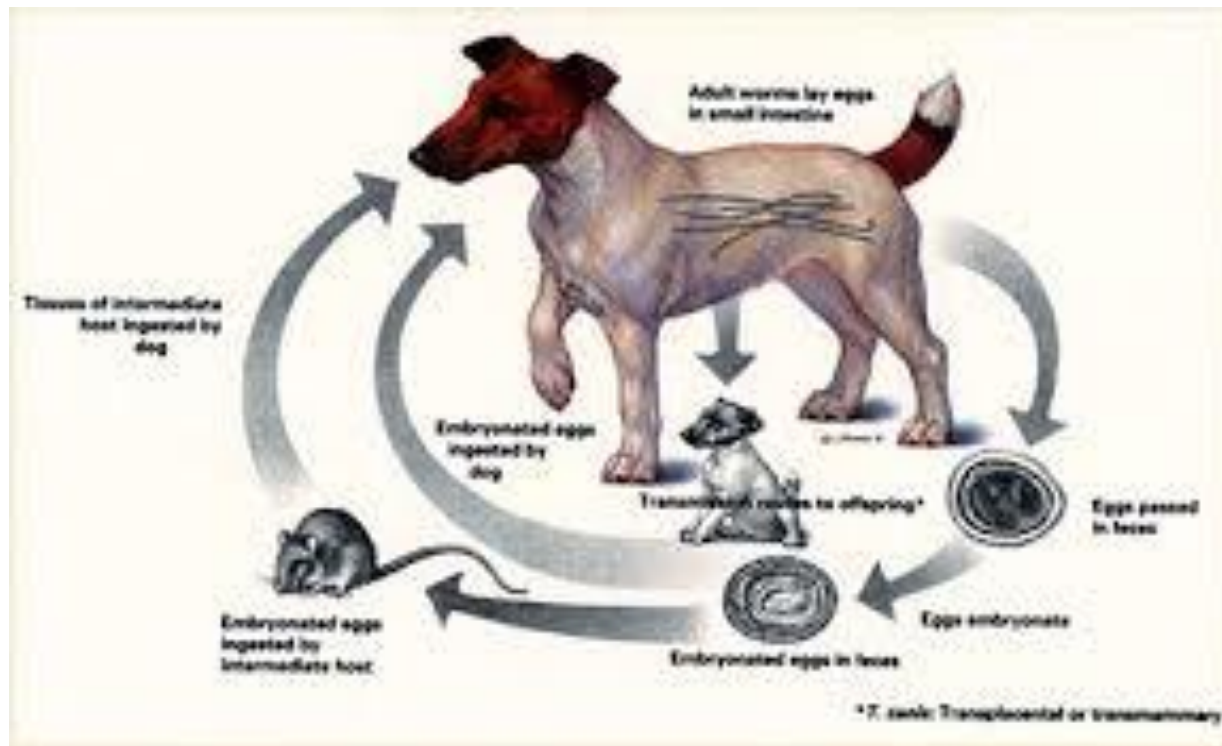
Taenia segment



Taenia egg



Taenia life cycle



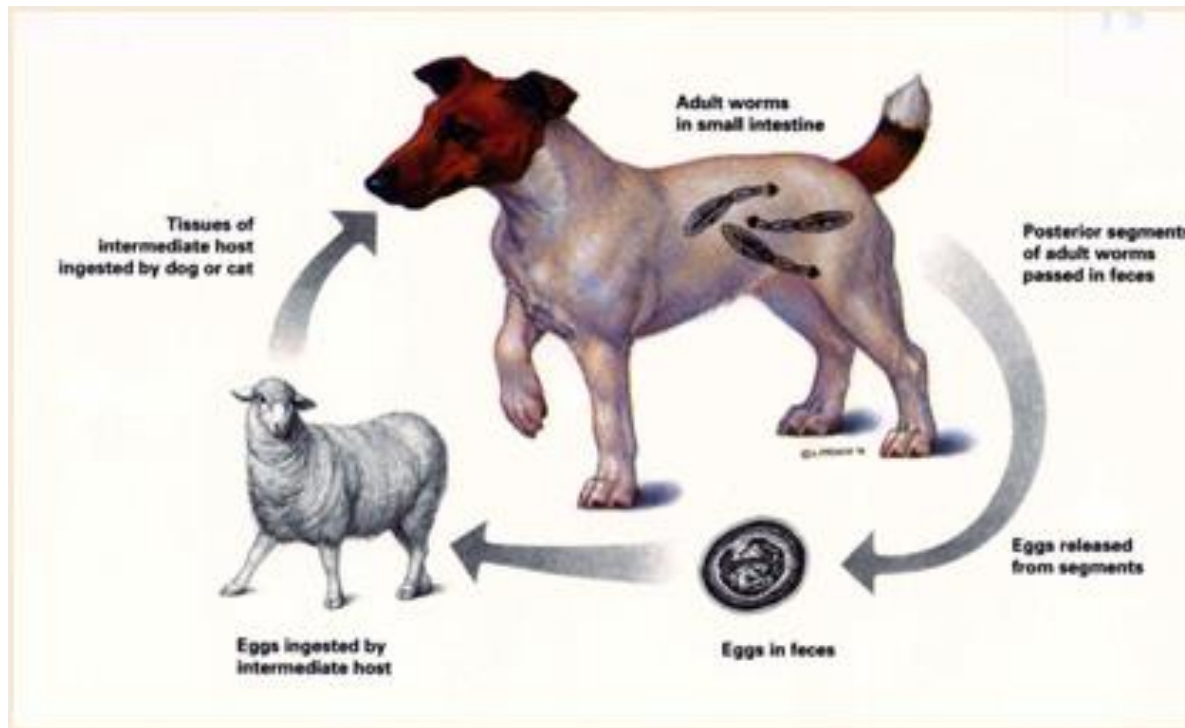
Echinococcus sp.



Echinococcus egg



Echinococcus life cycle



Tapeworm treatment

- Praziquantel all species: Droncit, Drontal,
- Fenbendazole and albendazole: Taenia sp.
- Some monthly heartworm preventatives:
Iverhart max, Interceptor plus
- Treat on a two week cycle
- Flea control for Dipylidium sp.

How to control intestinal parasites

- Appropriate de worming with diagnosis
- Utilize broad spectrum monthly treatments to decrease ongoing worm burden
- Avoid stool contamination of food and water
- Do not feed offal or undercooked meat
- Flea control
- House dogs, teach to pass stool in specific location, keep stool picked up
- Prevent dead livestock carcass ingestion
- Control small rodents