

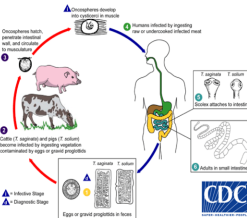
Meat-associated parasites

Plathelminthes > Cestodes

Taenia solium

5 m, scolex with 4 suction cups and rostellum armed with hooks

Immature/mature/pregnant rings. Pregnant with less than 12 uterus ramifications



Everywhere, transmission by eating infected pork uncooked
Asymptomatic. Gas, diarrhoea, Mobility: obstruction-perforation
Copology, Serology ELISA or Molecular PCR

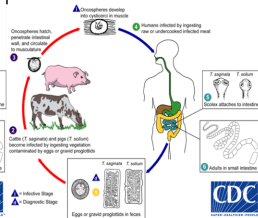
Praziquantel and Niclosamide

Cooking >60°C, Freezing -20°C, Hygiene, inspection and control

Taenia saginata

10 m, 2K rings, scolex with 4 suction cups

Immature/mature/pregnant rings. Pregnant with a lot of uterus ramifications



Everywhere, transmission by eating infected beef uncooked

Same as previous

Same as previous

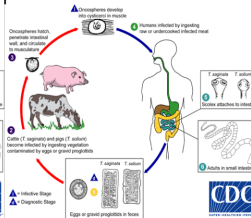
Same as previous

Same as previous

Taenia asiatica

same as *T. solium*

same as *T. solium*



same as *T. solium*

78%: pain, anal itching, diarrhoea, nausea, hunger

same as *T. solium*

same as *T. solium*

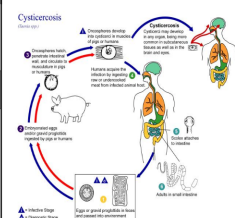
same as *T. solium*

Cysticercosis

Cysticercus is the infectious larva

Cysticercus cellulosae: 3-6 years, -24°C for 24 hours.

Cysticercus bovis: 1 year, -24°C for 3 days



Ingestion of the eggs/proglottids

Neurocysticercosis: attack the CNS → epilepsy

Same as *Taenia* spp.

Albendazole + corticosteroids. Even surgery

Cooking >60°C, Freezing -20°C, Faeces control and Hygiene

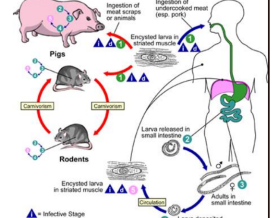
Nematodes

Trichinella spp.

females 2,2 mm, males 1,2 mm larvae 100 µm

Male has an extension to attach to the female.

Autoheteroxenous life cycle



Everywhere in the world

Invasion: gastrointestinal
Larvae: muscles, myocarditis
Encystation: muscle calcification
Eosinophilia, biopsy, ELISA

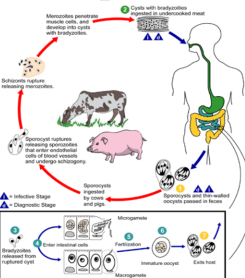
Corticosteroids. Mebendazole

Cooking >60°C, Freezing -20°C,

Protozoa

Sarcocystis

Intracellular obligated, definitive host or intermediate depending on the species. similar to



Everywhere, infected meat of every kind (high variety)

Asymptomatic. Diarrhoea, pain, nausea. Muscle-joints pain, fever.

Eosinophilia, chopology, biopsy

No treatment. Corticosteroids, Cotrimoxazole.

Cooking <60°C, freezing -20°C
Faeces control, pills for animals

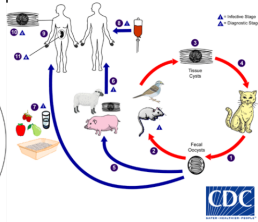
Toxoplasma gondii

intracellular obligated parasite. Asexual and sexual phases.

Oocysts: contain sporozoites

Trophozoites

Cysts: contain bradyzoites



Oral (contaminated water), Vertical, Transfusional
Fever. Abortion, blindness, epilepsy. AIDS: eye-brain cysts
Visualisation, Serology, PCR

No specific treatment

Gloves, hygiene, raw meat and milk, cat litter boxes

