

# TOXOCARIASIS

## Definition

It is a geozoonotic parasitic disease caused by a nematode parasite characterized by visceral larva migrans, ocular toxocariasis and covert toxocariasis

## Etiologic agent

Embryonated eggs *Toxocara canis*

Embryonated eggs *Toxocara cati*

### Maintenance Reservoir



### Incidental Reservoir



## Source of infection



Soil contaminated with eggs of *T.canis* or *T.cati* containing fully developed larva



Undercooked or raw meat containing larvae

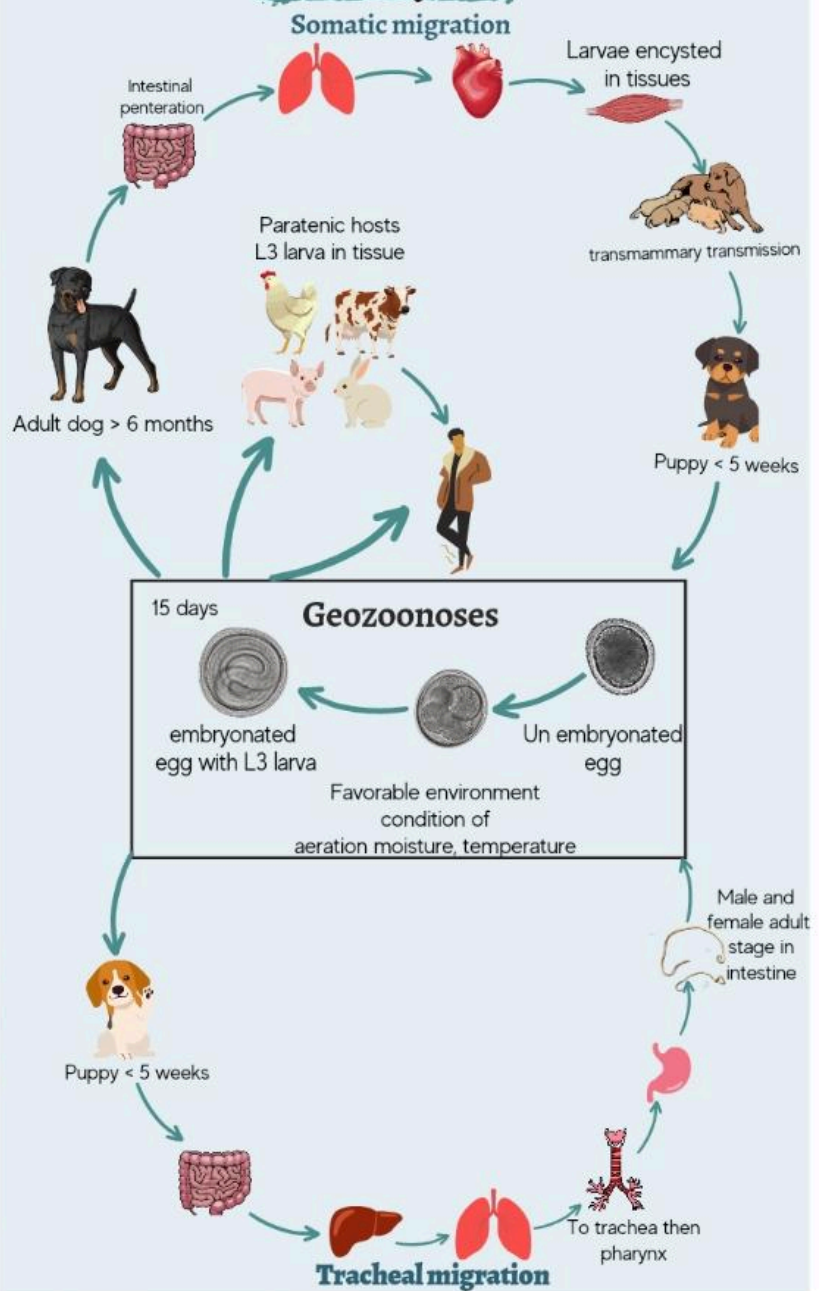


Undercooked or raw poultry containing larvae



Contaminated vegetables with embryonated eggs of *T.canis* or *T.cati*

## Life cycle



## Clinical symptoms on man

1

Viseral larva migrans



2

Ocular Toxocariasis



3

Covert Toxocariasis





# TOXOCARIASIS

## PREVENTION AND CONTROL



Health education of the public on the danger of the disease, its mode of spread and its methods of control



Deworming of infected dogs and cats and their puppies and kittens with piperazine and levamisol



Hygienic disposal of dogs and cat feces



Thorough washing of hands after handling dogs and cats



Thorough washing of vegetables before consumption



Thorough cooking of meat and poultry before consumption



Treatment of the infected patients by using diethylcarbamazine and thiabendazole

