

Lab 8

Genus *Habronema*

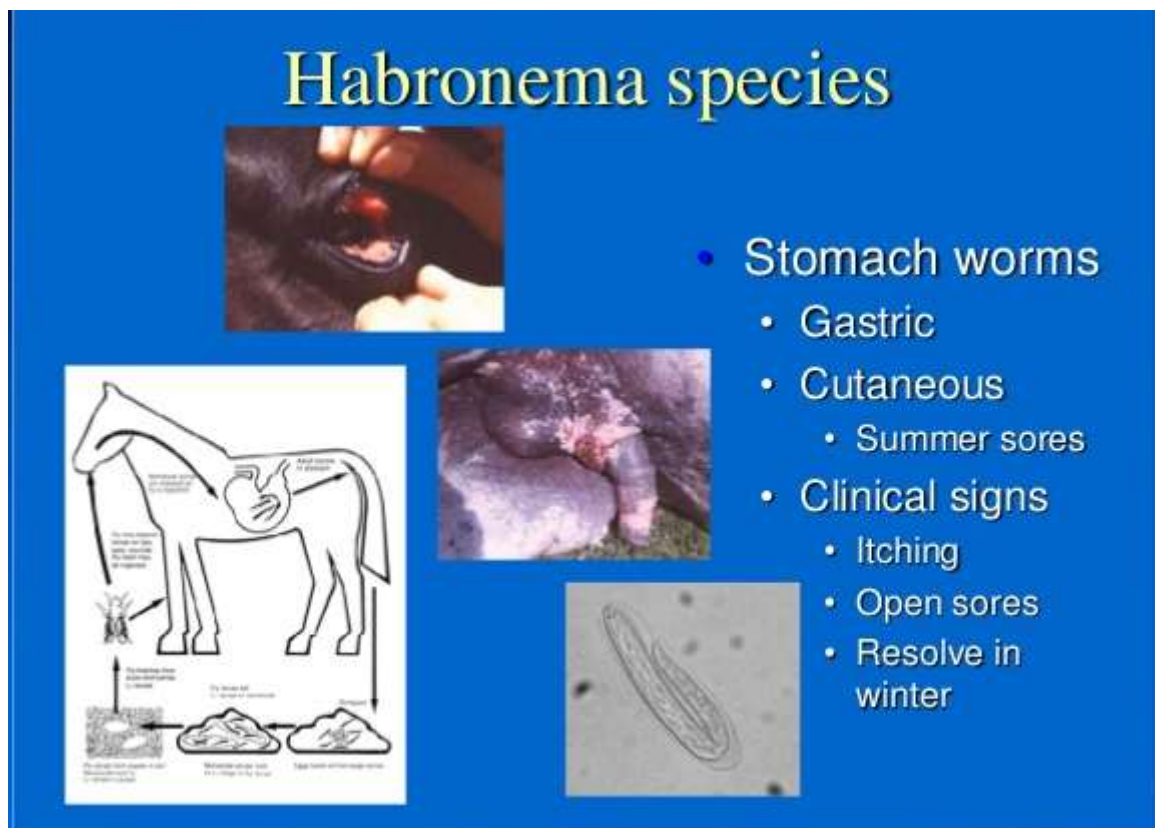
Stomach worm of equines

Host: Equines especially horses.

Habitat : Stomach .

Habronema muscae, and *H. microstoma*, are occur on the horse stomach mucosa under a layer of mucus.

Habronema species



- Stomach worms
 - Gastric
 - Cutaneous
 - Summer sores
 - Clinical signs
 - Itching
 - Open sores
 - Resolve in winter



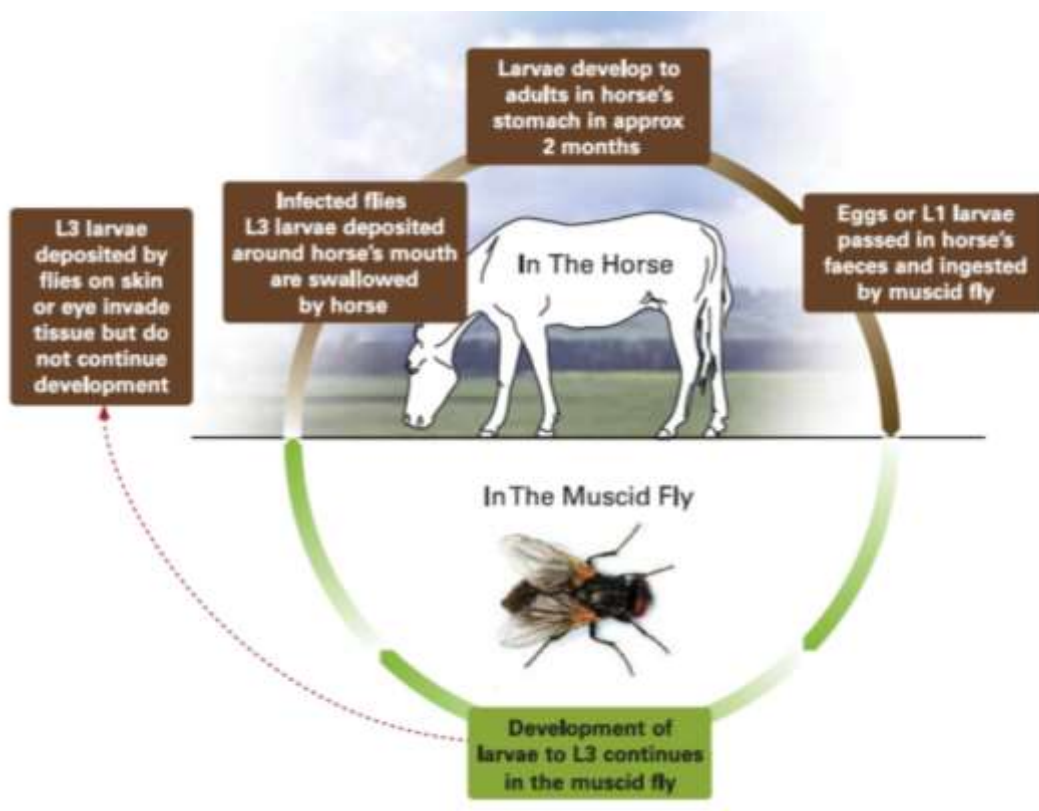
Front end of *Habronema muscae* (x 630).

A: One of two lateral lips separated in three parts B: Oral cavity



Male back end of *Habronema muscae* (x157). A: Right Spiculum. B: Left Spiculum. C: Cuticular Papilla or relieves

Life cycle





Tissue Nematodes

Filarioidea

Wuchereria Bancrofti

commonly called elephantiasis

Habitat:

Adults: Coiled in lymphatic glands, or lying in lymphatic vessels. Found usually in lymphatic of the lower limb.

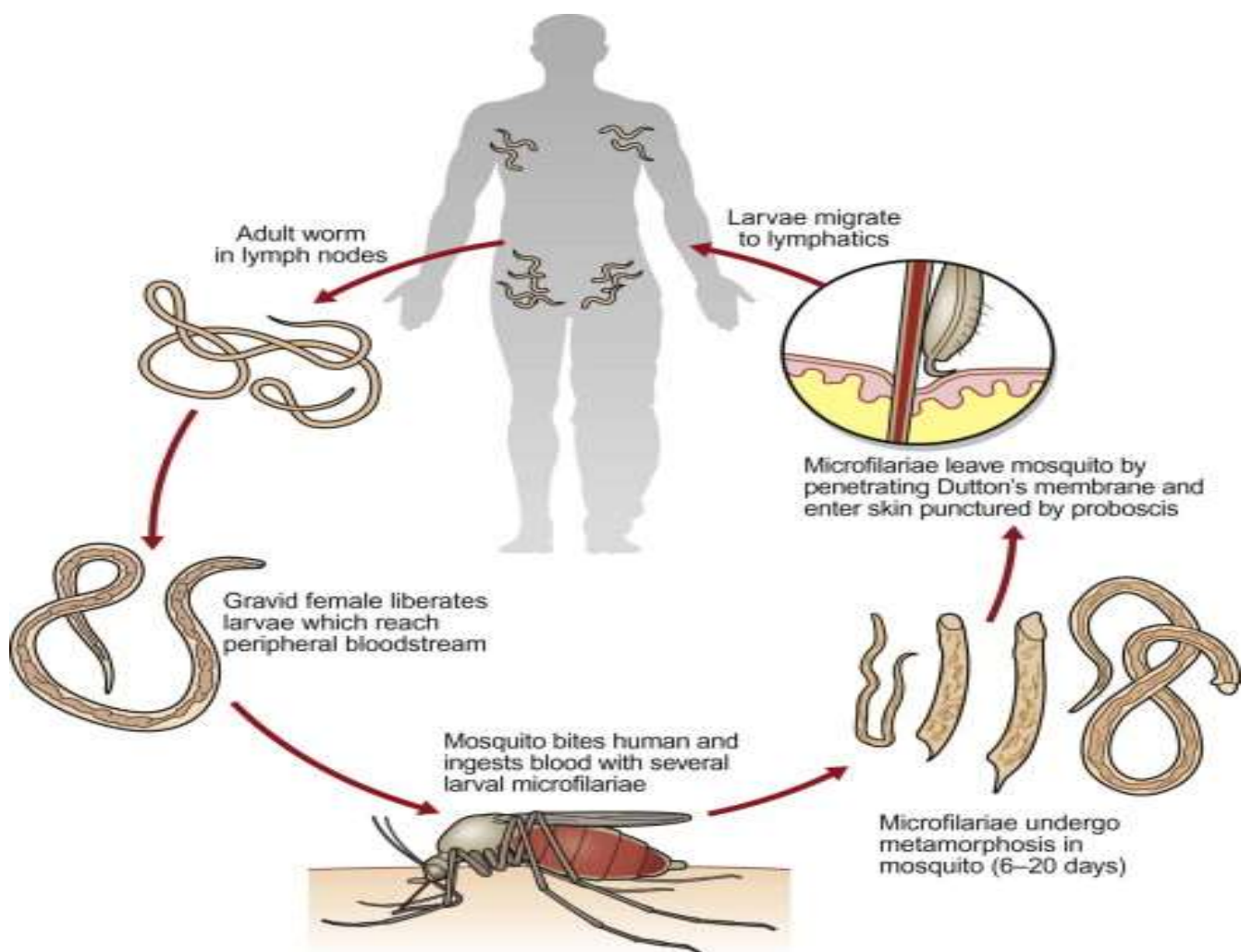
Microfilariae: In lymphatic vessels, and in the peripheral blood normally **at night** but during day in lung and other internal organs.

Infective larvae: In the gut and muscles including mouth parts of certain species of mosquitoes. The third stage larva is the infective form they are elongated, filariform



Male

Female



Life Cycle: It is a **digenetic parasite** completing its life cycle in 2 hosts

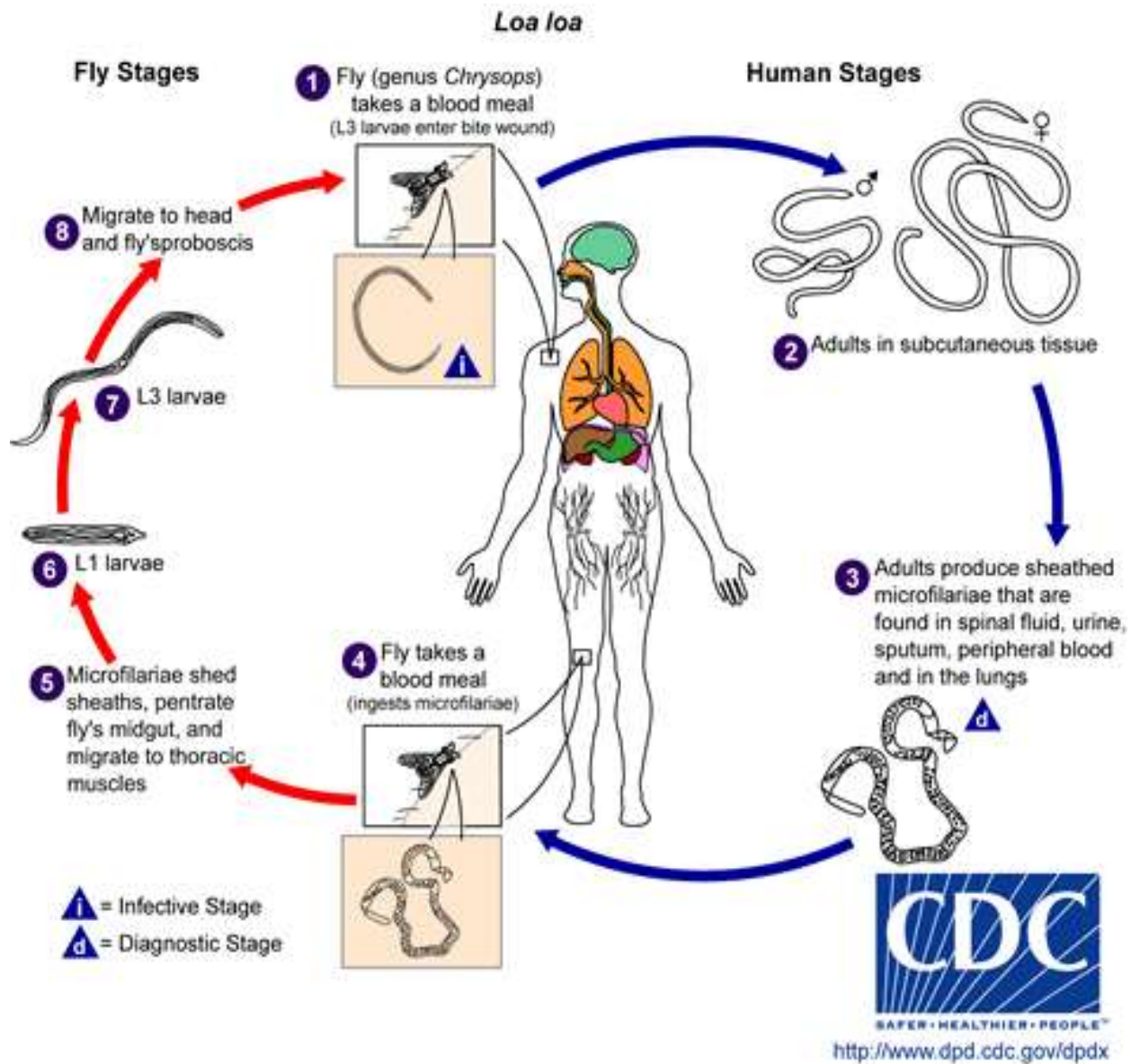
Loa loa (Eye worm)

Habitat:

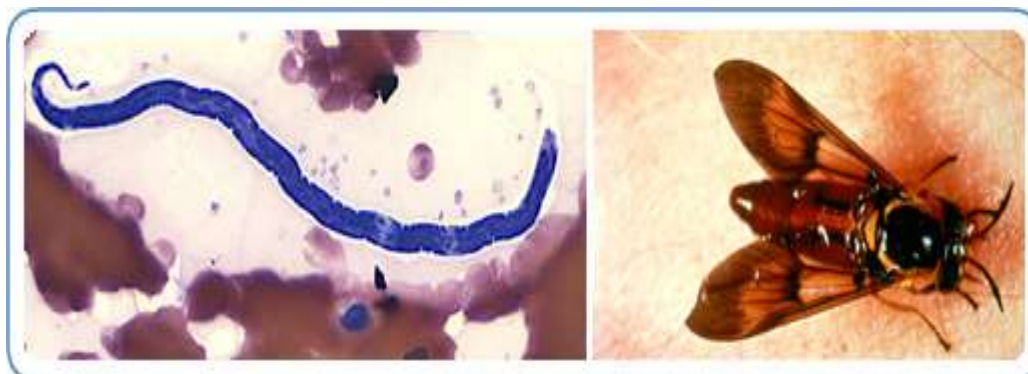
Adults: In connective tissues under the skin, in the mesentery and the parietal peritoneum. They commonly migrate rapidly in the body subconjunctival tissue of the eye or in thin skinned areas.

Microfilariae: In peripheral blood of man during day time.

Infective larvae: In the gut, mouth parts and muscles of tabanide flies .



Life cycle:



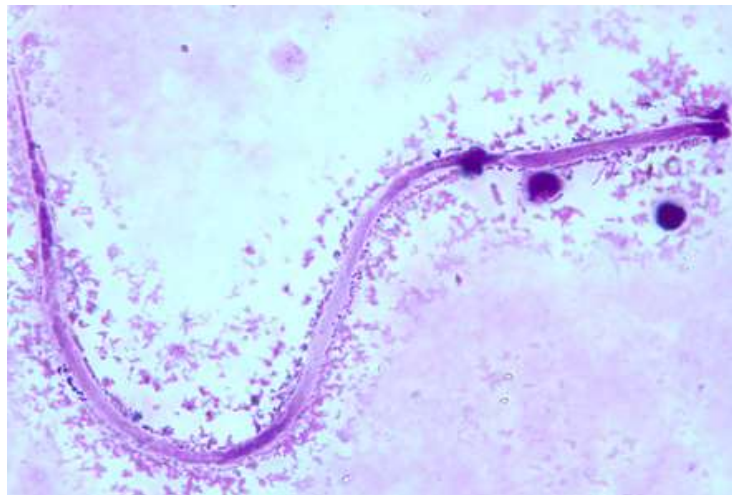


Mansonella ozzardi

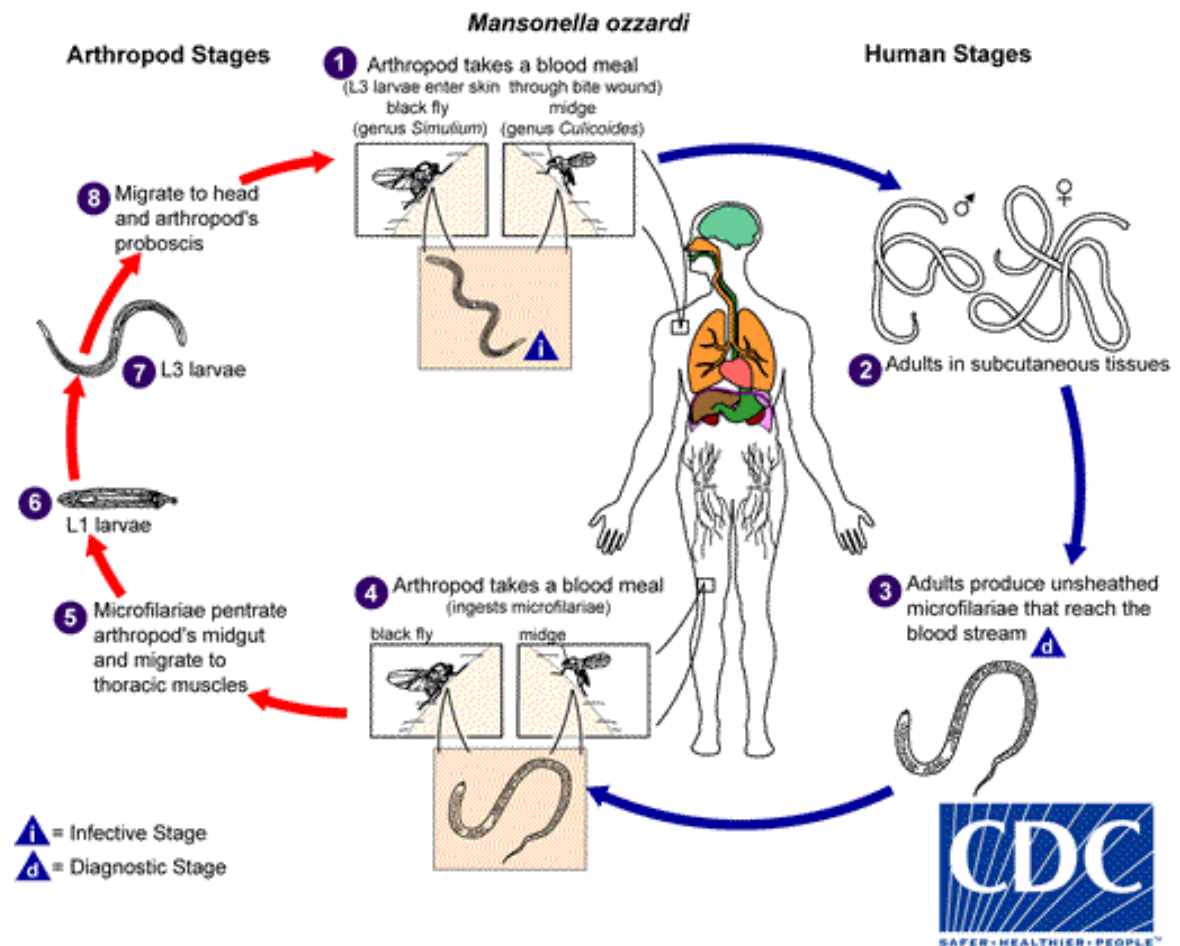
Habitat

Adults: In the mesentery, retroperitoneal tissue, abdominal wall, and Lymphatic vessels of man.

Microfilariae: In peripheral blood or skin of man any time.



Infective larvae: In the gut, and mouth parts of culicoides and simulium black flies.



Dracunculus medinensis

(Medina worm , Guinea worm, dragon worm, fiery serpent)

Host: man, (dog and horse are reservoir hosts).

Habitat: Subcutaneous tissues.

Intermediate host: Cyclops (water flea).

Morphology: Adult male measures 3-4 cm, female 70-100 cm.

Life cycle:

