

Plasmodium

{ Human - Primary host - Asexual
 Mosquito - secondary host - sexual

Infection:-

{ Introduction of germs/ foreign substances in the body of an individual.

✓ Mode of infection by Plasmodium:-

✓ Congenital infection:-

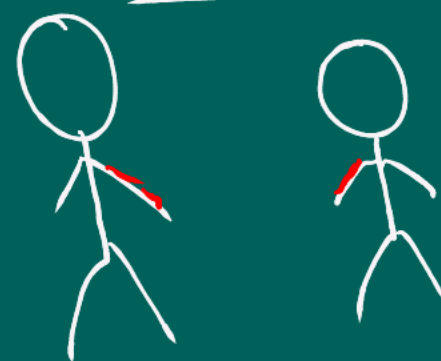
From mother to baby.

Delivery - Defective placenta

✓ By transfusion of infected blood

✓ Accidental:-

Malarial patient



Artificial infection:-

✓ Neurosyphilis

✓ Foreign substance



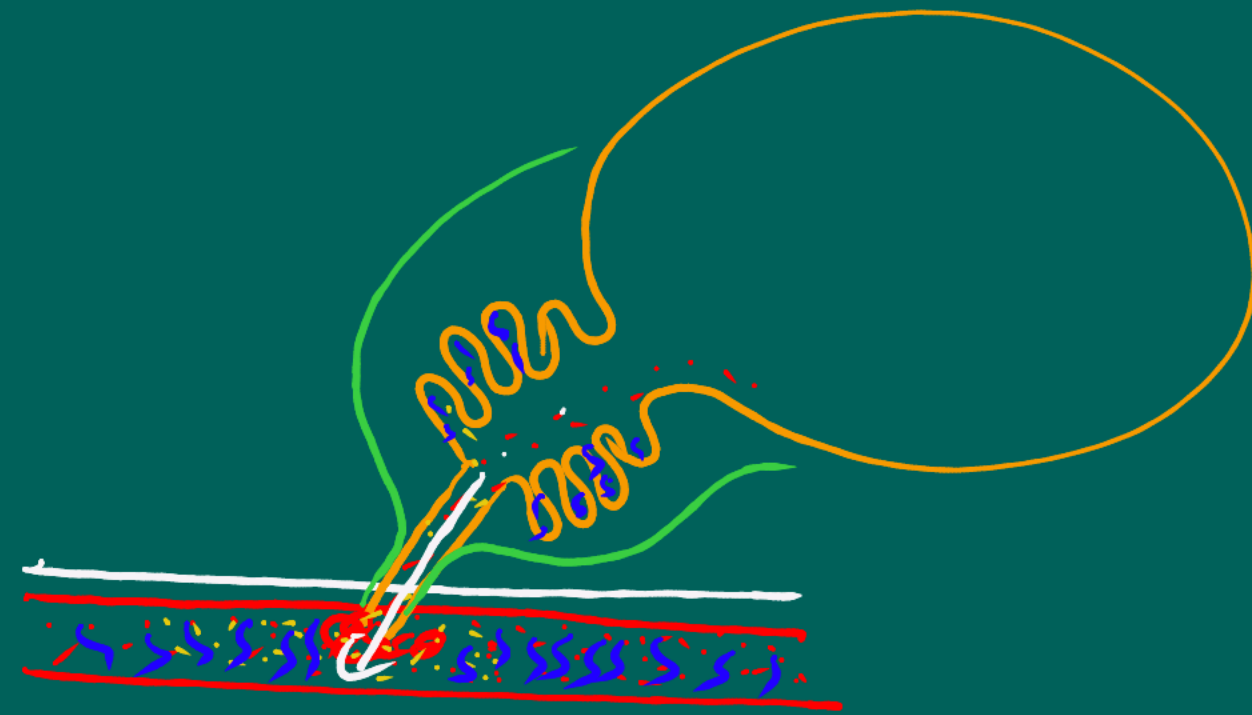
Human

✓ Liver, R.B.C.

Mosquito
Salivary gland,



By biting of infected mosquito:



Saliva - Anticoagulation Protein



Salivary gland

Sporozoite - infective stage of Plasmodium

Mosquito

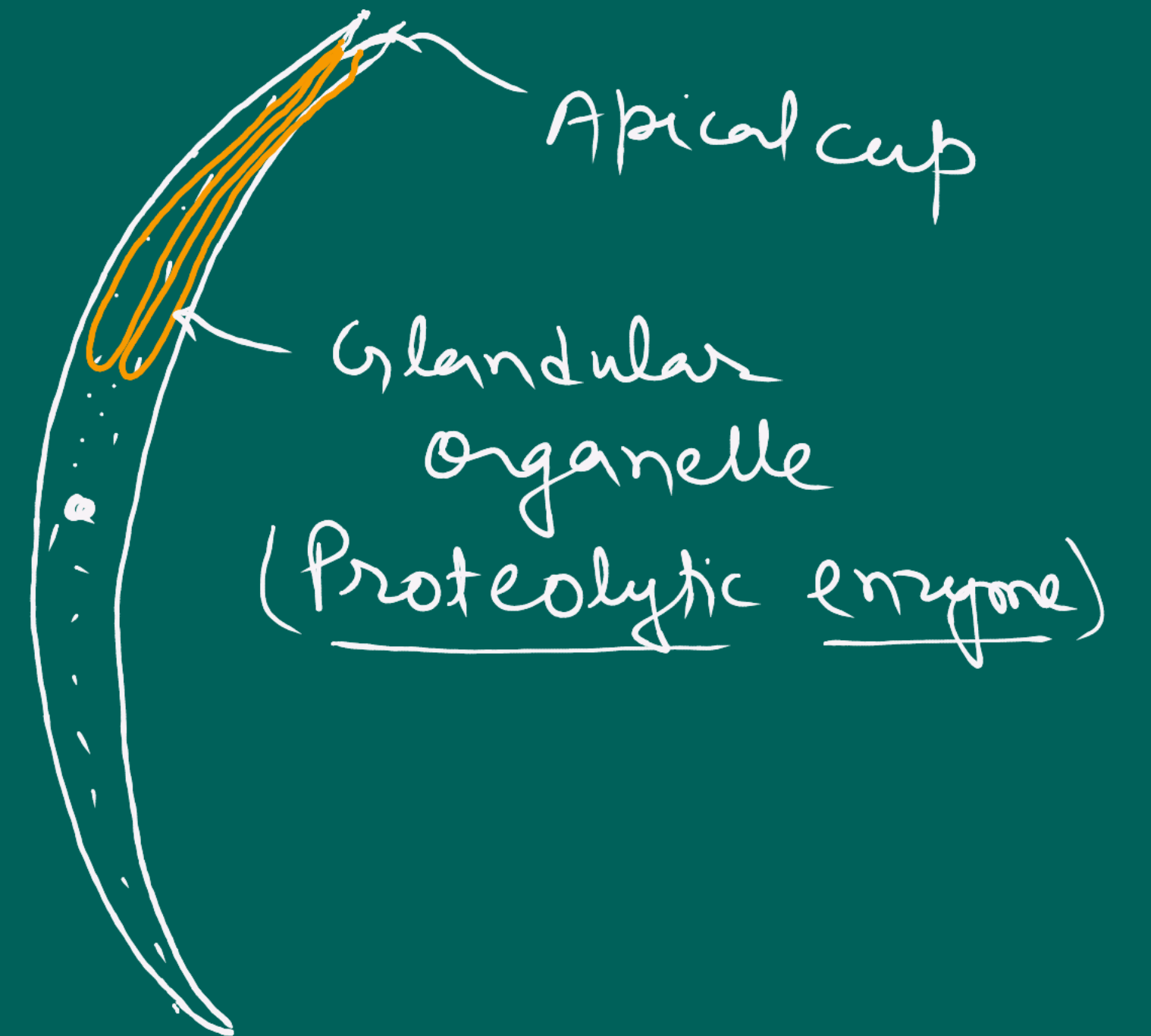
Salivary gland

Wall of stomach X



Ultrastructure

Electron microscope



⇒ Sporozoite.

Asexual reproduction:-

Liver / RBC

- ① Pre - erythrocytic cycle :- Liver
- ② Exo - erythrocytic cycle - Liver.
- ③ Erythrocytic cycle - R.B.C.
- ④ Post - erythrocytic cycle → Liver.