

Malaria

Human Malaria is caused by one of protozoan parasites:

Plasmodium falciparum

Plasmodium vivax

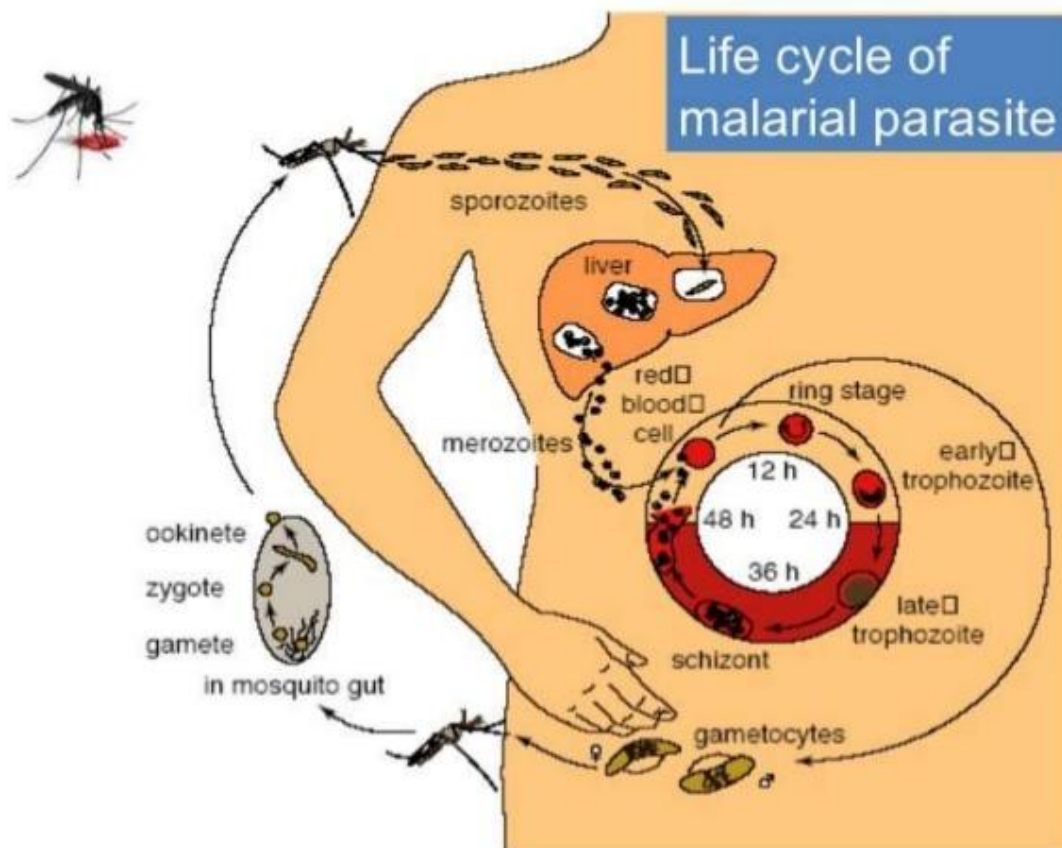
Plasmodium ovale

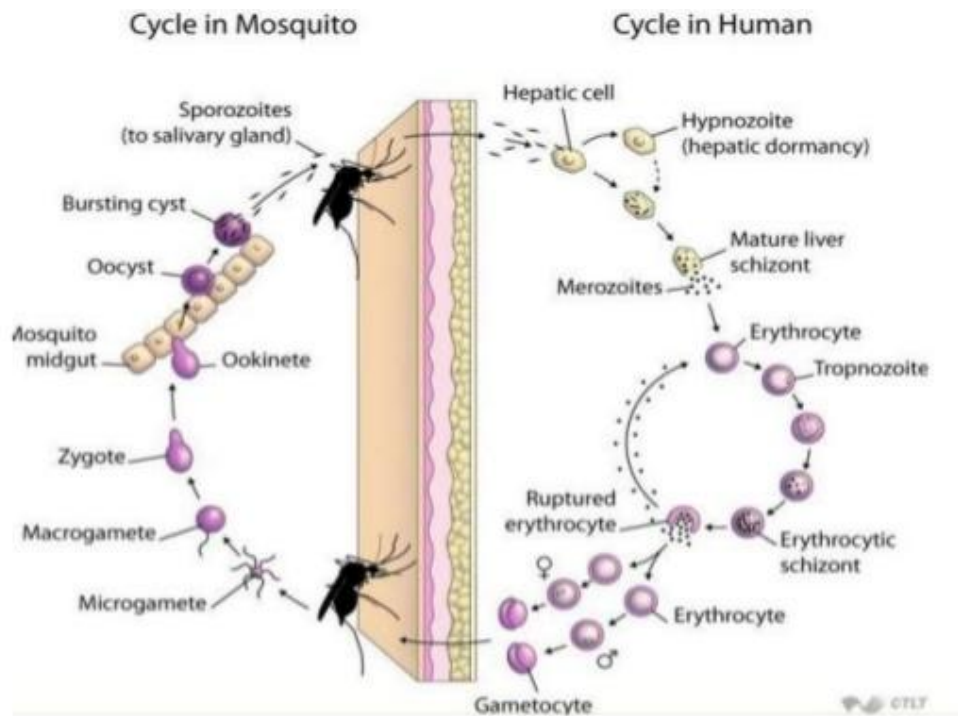
Plasmodium malariae

Plasmodium knowlesi—forested regions of South East Asia



Malaria is transmitted through the bite of an infected female *Anopheles* mosquito





The malaria life cycle is a complex system with both sexual and asexual aspects. The cycle of all species that infect humans is basically the same. **There is an exogenous sexual phase in the mosquito called sporogony during which the parasite multiplies.** There is also an endogenous asexual phase that takes place in the vertebrate or human host that is called **schizogony**

Human Cycle

- 1 **Pre erythrocytic schizogony**
- 2 **Erythrocytic Schizogony**
- 3 **Gametogony**
- 4 **Exoerythrocytic schizogony**

