
Super class: - Sporozoa *plasmodium* Species

LAB 6



GENERAL CHARACTERISTICS

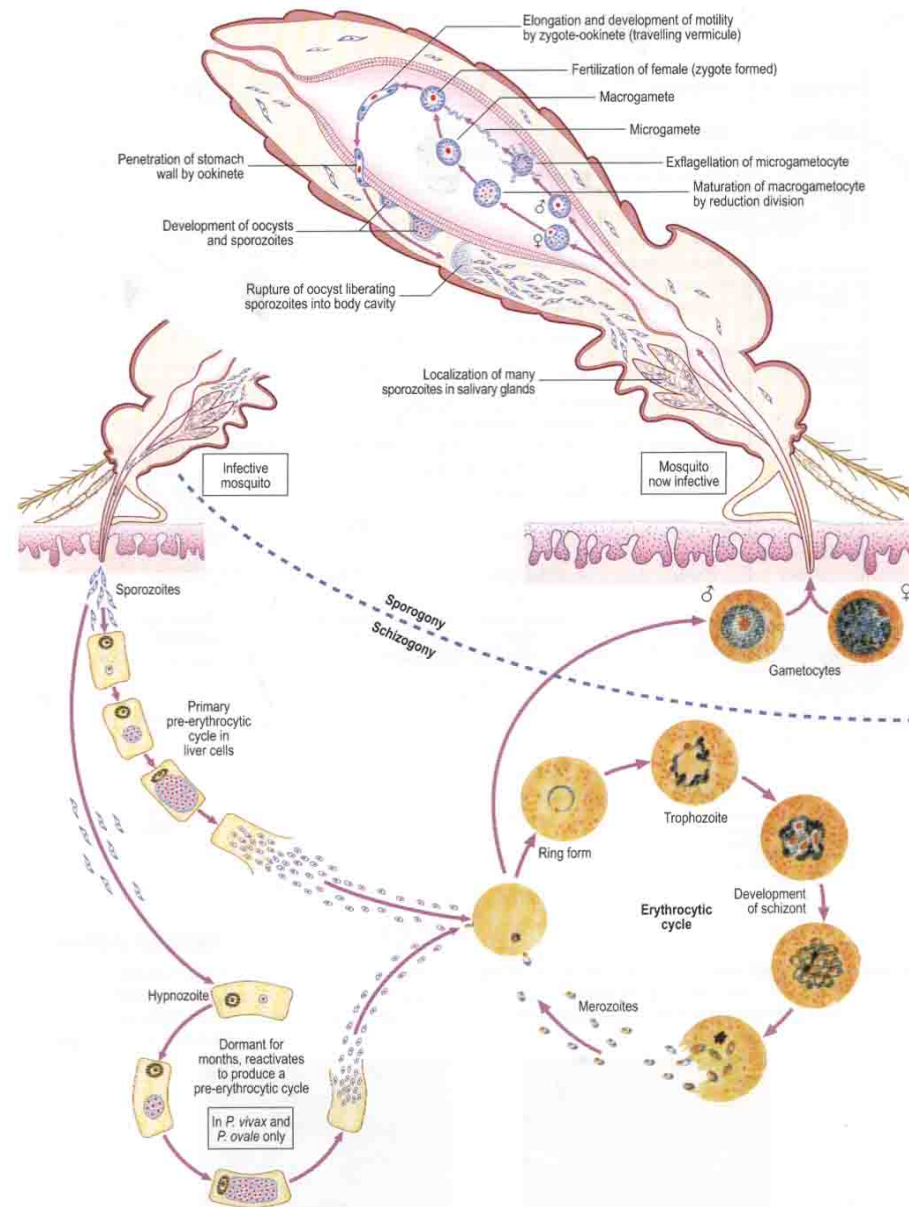
Protozoan parasites characterized by the formation of spore-like (oocysts) containing .sporozoites (infective stage) ■

-.: The life cycle of malaria parasites comprises 2 stages ■

An asexual phase occurring in man (intermediate host) ■

.Sexual phase occurring in the female anopheles mosquito (final host) ■

Life cycle





-: different species of malaria parasite infect man 4

.Ex.1:-*Plasmodium vivax* (causes the benign tertian malaria)

.Ex.2:-*P. falciparum* (causes malignant tertian malaria)

.Ex.3:-*P. malariae* (causes benign quartan malaria)

.Ex.4:-*P. ovale* (causes ovale malaria)

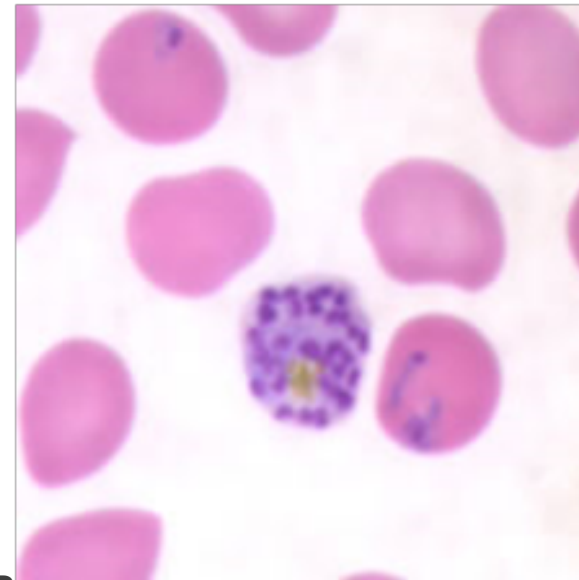


LABORATORY DIAGNOSIS

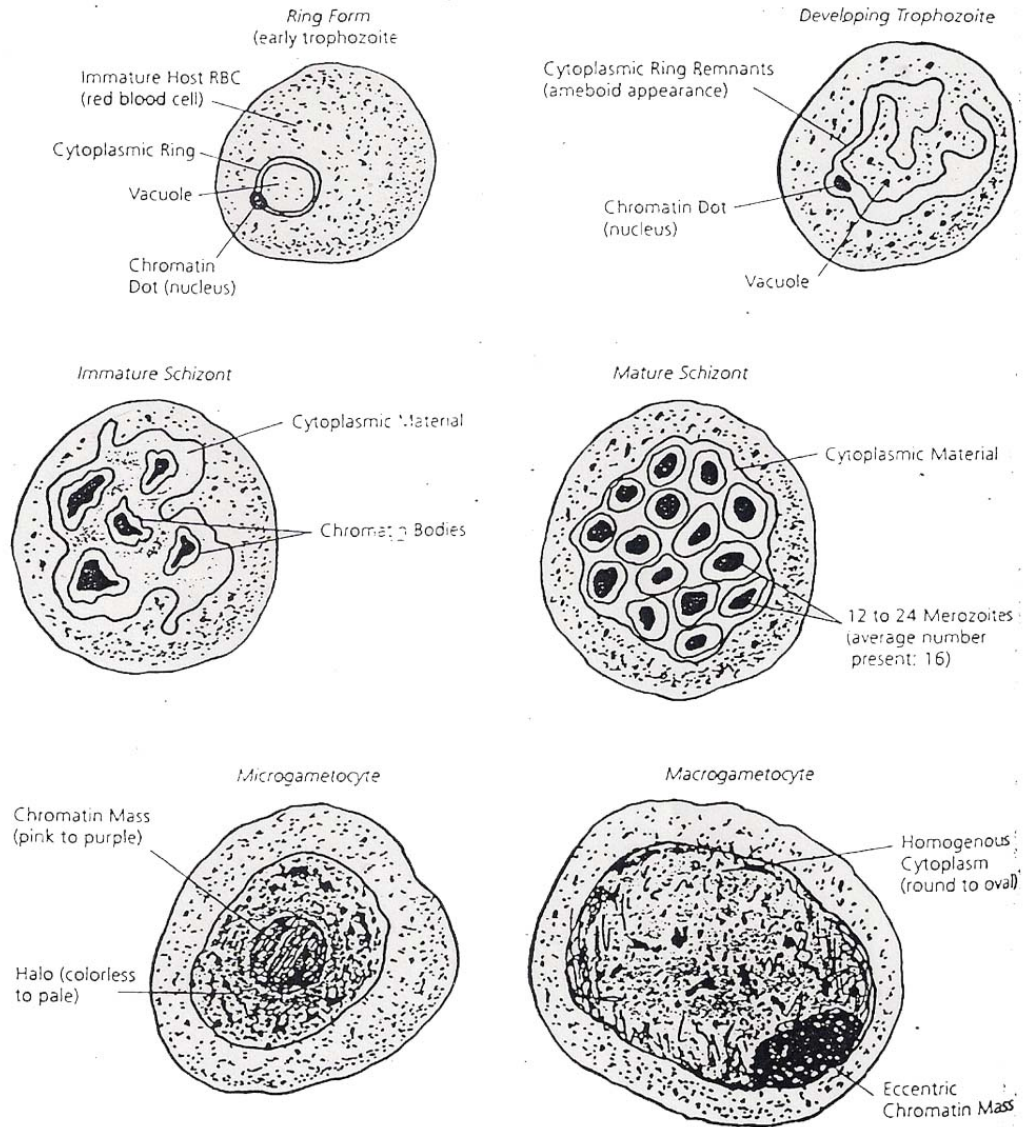
.Malaria parasite in thin blood film. Stained by leishman or giemsa at ph 7.2



Plasmodium vivax ring stage in RBC
Trophozoite stages in RBC's



Plasmodium vivax schizont and



Commonly seen morphologic forms of *Plasmodium vivax*.

Plasmodium vivax stages inside red blood cell