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## A Review on Pathophysiology of Malaria: A Overview of Etiology, Life Cycle of Malarial Parasite, Clinical Signs, Diagnosis and Complications

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### Abstract

Malaria is a mosquito-borne infectious disease targeting humans and other animals. The disease occurs worldwide. It is a life-threatening disease which is transmitted through the bite of an infected female Anopheles mosquito. The causative agent of disease is plasmodium parasite which infects the anopheles mosquito. The bite of this mosquito to humans releases the plasmodium in blood and results in malaria. The disease occurs in anywhere worldwide and affects at any ages and sex. Malaria is endemic in tropical and subtropical regions of world like in Latin Americas, several parts of Asia, China and Africa. The WHO estimates that in 2015 there were 214 million new cases of malaria. About 125 million pregnant women are at risk of infection each year in many parts of Sub-Saharan Africa. Infants and children are frequently affected by malaria. Maternal malaria is connected with around 2 lakh infant deaths yearly. The disease generally occurs to frequent travellers arriving or returning from affected tropical zones. The current review covers the causes, pathogenesis, mode of transmission, symptoms, diagnosis and complications of malaria.

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### Keywords

Malaria, *Plasmodium falciparum*, *Plasmodium vivax*, *Plasmodium malariae*, Anopheles mosquito.

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