



Plasmodium falciparum gametocytes

Authors: SOMIYA LAMRABAT, MD

Category: Infectious Disease > Parasites > Malaria > P. falciparum

Description:

A military veteran returning from Cameron after 11 months presented with a picture of an influenza-like illness following infection with Coronavirus (Covid-19).

A thick drop and a peripheral blood smear were performed and demonstrated the presence of numerous *Plasmodium falciparum* gametocytes.

Image 1: Reactional morphological abnormality of neutrophil granulocyte in malaria: hyposegmentation of the nucleus, and presence of malarial pigment in the cytoplasm.

Image 2: Gametocytes of *P. falciparum* in a thick blood smear.

Image 3: Gametocytes of *P. falciparum* in a thin blood smear showing:

· An early stage gametocyte.

· Female gametocyte: Crescent/banana-like shape with blue cytoplasm and a central mass of chromatin that consists of black rod-like granules.

· Male gametocytes: Almost morphologically identical to the female gametocyte but thicker and less crescentic.

Number of Units: 3

Granulocyte with malarial pigment

Image ID: 63448

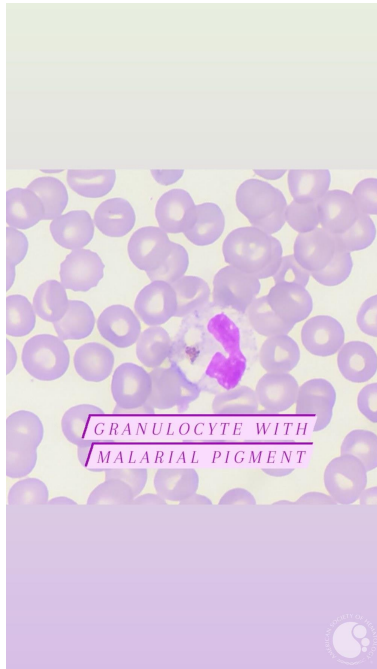
Authors: Somiya LAMRABAT

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Description:



Thin blood smear : Reactional morphological abnormality of neutrophil granulocyte in malaria (hyposegmentation of the nucleus, and presence of malarial pigment in the cytoplasm).



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Plasmodium falciparum gametocytes 1

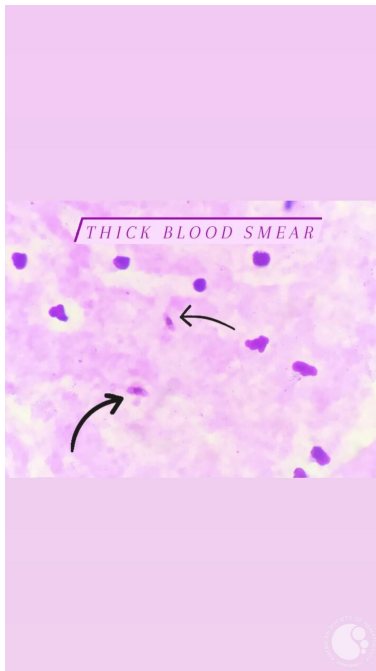
Image ID: 63449

Authors: SOMIYA LAMRABAT, MD

Category: Infectious Disease > Parasites > Malaria > *P. falciparum*

Description:

Gametocytes of *P. falciparum* in a thick blood smear.



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Plasmodium falciparum gametocytes 2

Image ID: 63450

Authors: SOMIYA LAMRABAT, MD

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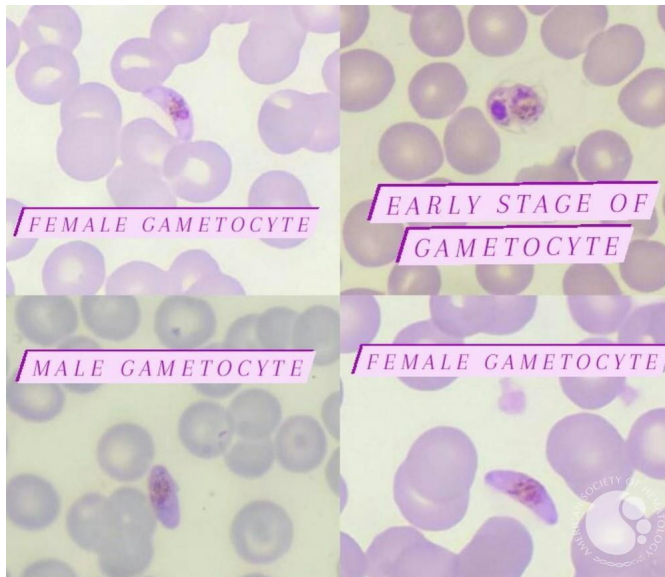
Description:

Gametocytes of *P. falciparum* in a thin blood smear showing:

- An early stage gametocyte.
- Female gametocyte: Crescent/Banana-like shape with blue cytoplasm and a central mass of chromatin that consist of black rod-like granules.
- Male gametocytes: almost synonymous to the shape of females but fatter and less crescentic.



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