Abstract

The analysis of blood cells in a microscopic image can provide useful information about a person's health. In particular, the red blood cell analysis abnormalities can detect diseases this diseases is important such as malaria effectively. The images of blood, acquired by a microscope, which are connected with digital camera, are analyses by the computer to diagnosis or can be facilely. Transferred to clinical centers of liquid blood samples. Malaria is an infectious disease transmitted by mosquitoes of animals and humans caused by parasites (a species of microorganisms) of the Plasmodium genus. Infections begin through the bite of infected female mosquitoes, sometimes this infection leads to death, so you must find a way to help detect malaria. This document shows how to improve the image of microscopic and filter the not necessary parts, and identify the red blood cells in each image; each red blood cell is separated into a separate image.

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Index Terms

Computer Science
Image Processing

Keywords

Labeling; opening; closing; malaria; plasmodium.