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Title: Imaging of blood vessels in finger joints using dual wavelength lasers and transmission techniques

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Keywords: blood

vessels

dual wavelength lasers

lasers

Issue Date: May-2020

Date.

Publisher: IISERM

Abstract: The

The imaging of blood vessels in finger joints proves to be a crucial part in medical field. Commonly used techniques in this subject belongs to the optics and acoustic field. In this project the imaging of blood vessels is done using noninvasive technique of transmitting light through finger joints. Lights of specific wavelengths (630 nm and 930 nm) are used in this respect and the image is then captured with the help of a Raspberry Pi Noir v2 camera. The captured image is hence analyzed with the help of Matlab for further enhancements.

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