

Abstract

A computer implemented method, a system and computer program products to characterize a skin lesion

The method comprises storing three sets of images acquired by three different optical technologies including multispectral (101), 3D (102) and optical feedback interferometry, OFI, (103); analyzing two of said three sets computing a series of indicators and/or parameters for each one of said two analyzed sets of images; and combining the two series of computed indicators and/or parameters to characterize the skin lesion. The set of images acquired by the multispectral technology (101) are acquired using different illumination spectral bands to detect color and spectral properties of the skin lesion and their spatial distribution, the set of images acquired by the 3D technology (102) are acquired using stereoscopy and/or fringe projection techniques to detect three-dimensional morphological properties of the skin lesion and their spatial distribution, and the set of images acquired by the OFI technology (103) are acquired to detect blood flow changes of the skin lesion and their spatial distribution.