An Interpretable Skin Cancer (Melonoma) Detection Using Deep Learning for a Smart Healthcare System

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Abstract: *This study presents the first systematic review of the state-of-the-art research on classifying skin lesions with CNNs. We limit our review to skin lesion classifiers. In particular, methods that apply a CNN only for segmentation or for the classification of dermoscopic patterns are not considered here. Furthermore, this study discusses why the comparability of the presented procedures is very difficult and which challenges must be addressed in the future.*

Keywords: CNNs