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Early Detection of Skin Cancer - Solution for Identifying and Defining Skin Cancers using AI

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Abstract: *Skin Cancer is seen as one of the most hazardous forms and common types of cancer in the world. Each year there are approximately more than 10 million new cases of skin cancer recorded globally - this number is alarming. The survival rate is very low if diagnosed in later stages. Artificial Intelligence can play a very important role in using Medical Image Diagnosis to detect this disease in early stages. However, the AI systems for the classification of different skin lesions, are still in the very early stages of clinical application in terms of being ready to aid in the diagnosis of skin cancers. Moreover, there are not many players who are doing research in this direction for conditions specified in the Indian subcontinent. The present paper focusses on advancement in AI solutions in digital image based computer vision for the diagnosis of skin cancer, Some of the challenges and future opportunities to improve the ability to diagnose skin cancer in early stages have also been discussed. Using the HAIS AI tool, we present a computer-aided method, using computer vision and image analysis algorithms for Skin Cancer diagnosis, with improved accuracy. Our solution is focused on the Indian sub-continent and envisions catering to varied business needs that provide flexibility on its adoption and use.*

Keywords: Skin Cancer, Survival rate, AI solutions for Cancer, Diagnosis of skin cancer, Clinical application

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