Abstract

It is an extremely bulky process to predict a disease based on the visual diagnosis of cell type with precision or accuracy, especially when multiple features are associated. If we get the information about the dead skin which is not visible by naked eyes well in time then we can easily prevent the further spreading of disease on the other part of body. One of the major problems coming in the medical field is that doctors are not able to detect that infected part which is not visible by naked eyes and therefore they only operate the visible infected part of the skin and this may cause a major problem like cancer or any dangerous disease in the future. Skin cancer classification system is developed and the relationship of the skin cancer image across different type of neural network is established. The collected medical images are feed into the system, and using different image processing schemes image properties are enhanced. Useful information can be extracted from these medical images and pass to the classification system for training and testing using MATLAB image processing toolbox for detection of dead skin.
References


Index Terms

Computer Science Biomedical

Keywords

SURF, HSV-histogram, KNN, image enhancement, feature extraction