In the present paper, a Skin pemphigus diseases image detection method color based segmentation and morphological operation is proposed. Three stages proposed: First stage: the color based segmentation takes in only one color spaces HSV, instead of three color spaces, Second stage the morphological operations with their analysis While third stage contain Extraction of connected components Skin image edge detection and a template matching. For each stage a novel algorithm which combines pixel and region based color segmentation techniques is used. Algorithm for skin segmentation of color image sequences. The experimental results for Skin pemphigus diseases image detector confirm the effectiveness of the proposed algorithm.

References

Extraction of connected components Skin pemphigus diseases image edge detection by Morphological operations

- Aishy Amer, 2002, "New binary morphological operations for effective low-cost boundary detection."
- Mr. Salem Saleh Al-amri, Dr. N. V. Kalyankar2 and Dr. Khamitkar S. D, 2010, "Image Segmentation By Using Edge Detection."

- M. Elad et al., 2002, "Rejection based classifier for face detection."
- C. NagaRaju, S. NagaMani, G. rakesh Prasad, S. Sunitha, 2011, "Morphological Edge Detection Algorithm Based on Multi-Structure Elements of Different Directions."

International Journal of Information and Communication Technology Research, Volume 1 No. 1.

Index Terms
Computer Science
Pattern Recognition
Keywords

Skin Image Detection  Image Color  Morphology Operations  Hsv Color Space  Connected Components
Opening
Dilation
Template Matching