ABSTRACT

Identification is the process to recognize and identify the images types of depth burn injury. Identification technology burns the image included in the classification that uses the characteristic color and texture of the wound. Burn image recognition can be performed using application software-based digital image processing. With this application, it would be easier for people to objectively classify burns.

The algorithm used for image recognition system implementation of this burn is to use texture analysis. Texture analysis is used to obtain information essential characteristics of the texture image of the wound. The resulting number is expected to feature vector representing the specific traits of each image burns. The output of this process are used as input to the process of pattern recognition and classification. For this stage, will be used Neural network methods.

Results to be shown is how a system can recognize and compare the color and pattern of certain burns and can take appropriate decisions on any type of color of the burn with a particular input. Designed system has a high success rate for identifying and comparing colors and patterns and make informed decisions with 71,11% accuracy rate.

Keywords *: Texture Analysist, neural networks, back propagation.*