Analysis study of Content Based Medical Image Retrieval Systems

Eng. Nisreen Sulayman ** Dr. Maan Ammar ***
Dr. Jamal Hossein ****

Abstract

Content Based Medical Image Retrieval (CBMIR) systems are a new technique which researchers aim to integrate with Computer Aided Diagnosis systems. These systems usually find and retrieve images from a large image-database which have a similar content to a query image. Retrieval is done by extracting the visual features from the query image, formulating them in a features vector, comparing features vector components with those of the images in the database, and then, similarity measures are computed. Based on the similarity measures, images which have a similar content to the query image are retrieved. The introduced analysis study surveys and analyzes the current status of the CBMIR systems, evaluates our findings from this survey, and concludes some specific research directions in this field.

Keywords: Content Based Medical Image Retrieval, visual feature extraction, features vector, similarity measure.
References:


