Abstract

With the recent advances in the field of artificial intelligence and information technology, the improvement in the interpretation of the medical images has contributed significantly to the early diagnosis of different diseases. Medical images are difficult to process because they have various modalities. Therefore, the physicians cannot adequately detect and diagnosis the diseases in traditional ways. There should be Computer-aided detection/diagnosis (CAD) systems that help physicians to understand medical images. CAD systems are processes that give much information that help to understand the medical images and improve the accuracy of detection/diagnosis of various diseases. CAD systems consist of the segmentation of the lesion, extraction of features, and characterization of diseases by means of a classifier. There are many different CAD systems that have been proposed to diagnosis various diseases of various organs of the human body, such as liver and brain. This paper, introduces current different methods of segmentation based on medical images. In addition, this paper also concentrates on the work of different segmentation and classification techniques that have been proposed to diagnosis various liver diseases.
References

- Santanu Bhowmik, Viki Datta, "A Survey on Clustering Based Image


- S. S. Kumar and Dr R. S. Moni, "Diagnosis of Liver Tumor from CT Images Using Fast Discrete Curvelet Transform"; IJCA Special Issue on "Computer Aided Soft Computing Techniques for Imaging and Biomedical Applications"; CASCT, 2010.

Index Terms

Computer Science

Image Processing

Keywords

Computer Aides Diagnosis (CAD) Systems Medical Image Segmentation Classification Diagnosis of Liver Diseases.