Abstract

In the abdominal CT scan, the liver region is not clearly discerned from the adjacent organs such as muscle, spleen, and pancreas. The objective of the proposed system is to devise a novel method for tumor identification which helps the medical experts for further diagnosis.

The region of interest, namely the liver, is first separated by combining ROIpoly and thresholding methods. On obtaining the liver region, the tumor if present, is extracted using Gray Level Co-occurrence Matrix (GLCM) and Fuzzy C Means (FCM). Further, we have also compared the results obtained from both the methods.

References

CAD for Hepatic Tumor Detection in CT Images


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Index Terms

Computer Science Image Processing

Keywords

Extraction, ROI, Segmentation