Abstract

Magnetic resonance imaging (MRI) is a powerful image which can also be used to detect abnormalities in the tissues such a tumor whereas CT scan does not provide detailed information in an image. This paper explains the various stages applied on the MRI image to detect the presence of the tumor. Various stages include pre-processing, segmentation, morphological filtering, feature extraction and neural network. The aim of this project is to propose a method that will efficiently and accurately detects the tumor. This proposed algorithm will help the doctor to detect the tumor more efficiently.

References

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Index Terms

Computer Science      Image Processing

Keywords

Brain Tumor, MRI Scan, Pre-Processing, Segmentation, Morphological Filtering, Feature Extraction