Abstract

Segmentation of brain tumor is an example of medical image segmentation that has grown as an emerging area of research in magnetic resonance imaging (MRI). In biomedical imaging, accurate detection of tumor is utmost important for proper clinical practice and treatment. Several techniques have been proposed for brain tumor segmentation, but there is no perfect algorithm proposed yet to enhance tumor. Brain tumor MRI images display complicated features in appearance and boundaries. To eradicate this problem, novel methods are proposed for accurately segmentating the brain image. This research paper focuses on the segmentation and detection of brain tumor using watershed and morphological operations. Results are
evaluated with the implementation of the work carried out in MATLAB. In the end, conclusion and future aspects are addressed regarding brain tumor segmentation.

References


Index Terms

Computer Science

Image Processing
Keywords
Brain Tumor Segmentation  Mr Images  Watershed Algorithm  Close Operation.