Abstract

Intelligent diagnostic Imaging System (IDIS) is a developing imaging modality that is beginning to show promise of detecting and characterizing abnormalities of the brain. The abnormalities of the brain are due to Intracranial Neoplasm, Cerebral Infections and Inflammations, Stroke, Cerebral Aneurysms, Vascular Malformations, Central Nervous System Trauma and Neurodegenerative Disorders. The abnormalities are detected mostly by scanning the brain.
MRI is an effective technique to find the abnormalities of the brain. This paper is concerned with the development of image processing tools and intelligent algorithms that will automatically detect the abnormalities of the brain and sensitivity and accuracy comparison of the Algorithms for the of abnormality extraction.

References

- Kai-Qi Huang, Qiao Wang, and Zhen-Yang Wu, "Natural Color Image Enhancement And Evaluation Algorithm Based On Human Visual System"; Computer
Sensitivity and Accuracy Comparison of the Algorithms for the Abnormality Extraction of the MRI Slice Images of a GUI based Intelligent Diagnostic Imaging System


Index Terms

Computer Science
Electronic Design And Signal Processing

Keywords

Graphical User Interface (gui) Intelligent Diagnostic Imaging System (idis) Magnetic Resonant Imaging (mri) Central Nervous System (cns) Cerebro-spinal Fluid (csf)
Fluid Attenuating Inversion Recovery (flair)