Abstract

Human anatomy obtained by different modalities such as Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Position Emission Tomography (PET), etc. Brain tumor
Statistical approach for MRI Brain Tumor Quantification

diagnosis is easy by using these medical equipments. The physician needs the correct measurement of the tumor area for the further treatment, this need to extract the abnormal part from the 2D MRI scan accurately and measure the region of interest and Human-Computer interaction is helpful for this procedure. We have used disease affected MRI scans from the Whole Brain Atlas (WBA) for the experiment. In this paper, we have presented a semiautomatic segmentation method to extract the tumor from MRI scan and measure the exact area of the brain tumor by using statistical approach.

References


Index Terms

Computer Science
Pattern Recognition
Keywords

MRI       PET       CT       WBA

Human-computer Interaction