Improved Digital Image Processing based Detection for Alzheimer's disease using MATLAB

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Abstract: Digital medical imaging is very expensive and is highly complex due to the requirement of sophisticated software and expert personnel. This paper introduces an improved and a simple, very user friendly, visualization program specially designed in a software called MATLAB for the detection of brain disorder called Alzheimer's disease as earliest as possible. This application will provide quantitative and clinical analysis of digital medical images i.e. MRI (Magnetic resonance imaging) scans of brain. Very tiny and small structural difference of brain cells may gradually & slowly results in serious disorder of brain which may lead to Alzheimer's disease. Here the primary and main focus is given for detection & diagnosis of Alzheimer's disease which will be implemented by using kriging interpolation technique.