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(57) Abstract :

Analysis of Dead Tissues in Medical Images Using Edge Detection Techniques is the proposed invention. Edge detection in medical images is an important task for object recognition of the human organs, which is affected and it is an essential pre-processing step in medical image segmentation and 3D reconstruction. It is one of the fundamental tools in image processing, machine vision, and computer vision, which aim at identifying points in a digital image. Edge has been detected according to some early brought forward algorithms such as gradient-based algorithm and Laplacian-based algorithm, but they are not so good for noisy medical image edge detection because of unsatisfactory results. This research paper presents a brief study of the fundamental concepts of edge detection operation and the theories behind different edge detectors. Edges find places in the image where the intensity changes rapidly. Edge returns a binary image containing 1's where edges are found and 0's elsewhere.

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