OMICS Group
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3ʳᵈ International Conference and Exhibition on
Biosensors & Bioelectronics
August 11-13, 2014   Hilton San Antonio Airport, San Antonio, USA

Different automatic techniques of brain tumour detection and segmentation

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Brain tumour segmentation plays a vital role in the emerging field of medical imaging to assist the research studies as well as for the surgical planning. The goal of the image segmentation is to remove the surroundings which are not that much important at that point of a time and to extract our region of interest (ROI) so that the lesion can be focused more. Tumour segmentation is a bit challenging task depending upon its varieties in terms of size, geometry and location. Earlier, segmentation was being done manually which was time consuming, typical and prone to be erroneous. To overcome these limitations, computer science people moved on to Automatic tools for the detection and segmentation. This article provides a comprehensive review over different detection and segmentation techniques falling in two major categories; intelligence based and non-intelligence based.

Biography

Gunjan Gautam is currently in final year of Master of Technology in Computer Science, Banasthali University, Rajasthan, India, pursuing project training from Indian Statistical Institute.

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J Biosens Bioelectron 2014

ISSN: 2155-6210, JBSBE an open access journal

Biosensors & Bioelectronics-2014
August 11-13, 2014

Volume 5, Issue 3

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