Abstract Details

Title: Adaptive Neural Networks and Random Distribution for Cancer Tissue Detection and Localization with Random Multivariable

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Abstract: In this paper a novel approach is described to perform detection of Cancer Tissues by directly modeling the statistical characteristics of the Cancer Cells. This approach allows us to represent Cancer Tissue Acquisitions in the form of pattern that will be analyzed and monitored using Adaptive Self Organizing Maps and Mathematical framework of Cancer Random Tissue Distributions and Localization of Cancer Cells.MRI Images are stacked and pattern recognition techniques are applied to determine Cancer Tissue Image Segmentation and Registration.

Keywords: Neural Networks, Cancer Tissue, Random Multi-Variable, Statistical Modeling.