Abstract

The analysis of Magnetic Resonance Imaging (MRI) images using Artificial Neural Network (ANN)-based system is implemented in this paper to achieve a rapid and accurate diagnosis tool for bladder cancer. The proposed approach comprises image enhancement, removal of border, feature extraction and bladder cancer recognition using multilayer perception (MLP) with sequential weight/bias training function. We develop a model that defines the cancer level in order to enhance its treatment. Experimental results show that the devised approach increases the accuracy of diagnosis of bladder cancer up to 95%.
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Index Terms

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Keywords
Bladder cancer Image segmentation and ANN