

UNIVERSITY OF CALIFORNIA

Department of Radiology

Change in Feature Selectors For Determining Nodule Malignancy in Lung CT

Scoring in Lung Images

by

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are routinely diagnosed from CT images. The diagnosis of a suspect nodule is difficult, and often requires a second opinion or other methods. Machine learning, however, may also provide diagnostic information. In this work, we propose a combined feature in a neural network. The highest accuracy achieved was 71% (10/14) for a set of features chosen by a combination of human manual features. The highest accuracy of a neural network was 80.00, and a genetic algorithm consisting only of the

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4:05 PM

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THE FACULTY IS INVITED

Presenting Committee

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