

UNIVERSITY OF CALIFORNIA

Department of Radiology

Change in Radiological Features For Determining Nodule Malignancy in Lung CT

Scoring in Lung Images

by

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are routinely diagnosed from CT images. The presence of a nodule in the lung is a common finding on CT scans. The diagnosis of a nodule as benign or malignant is often difficult. Machine learning may also provide prognostic information. In this study, we combined feature information from radiologists and machine learning to improve the diagnosis of lung nodules. The accuracy of the combined model was 83.71% on a dataset of 1000 nodules chosen by a combination of manual features and machine learning. The highest accuracy of models with manual features was 81.00% on a feature set consisting of only the

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THE FACULTY IS INVITED

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