Comparison on CT images of isolated mass sentus and their pathology

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[ ABSTRACT] Objective: To investigate the pathologic structural fundament of isolated mass sentus in lungs, and the value of differentiating of benign and malignant lesions. Methods: Thirty and three isolated masses with sentus in CT image were confirmed by exsection and pathology, consisted of 24 cases pulmonary carcinoma, 3 cases tuberculoma, 6 cases inflammatory pseudotumor. All cases were observed and evaluated by spiral CT scan and histopathology. Results: According to the length of sentus sign, they were commonly sorted into 2 types 25 with short sentus, of which, 22 were malignant and 3 were benign; 8 with long sentus, of which, 6 were benign and 2 were malignant. Conclusion: Sentus signs are a diagnostic sign for malignant mass in lungs, especially short sentus has higher value. If combined with other features and clinical situation of lung mass, the accurate rate for diagnosing pulmonary malignant tumor can be elevated.

[KEY WORDS] Lung; Tumor; Tomography, X-ray; Pathology