

European Respiratory Society Annual Congress 2012

Abstract Number: 4444

Publication Number: P4427

Abstract Group: 8.1. Thoracic Surgery

Keyword 1: Sarcoidosis **Keyword 2:** Tuberculosis - diagnosis **Keyword 3:** Bronchoscopy

Title: EBUS-TBNA as alternative of VATS-procedure for differential diagnosis of mediastinal lymphadenopathy

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Body: Introduction: EBUS-TBNA - a relatively new technology, but very useful option in modern interventional pulmonology. Most of the articles devoted to staging of lung cancer. Not so much papers about differential diagnosis of tuberculosis and sarcoidosis 1. The aim: to study of possibilities of EBUS-TBNA in differential diagnosis of tuberculosis and sarcoidosis 1. Materials and methods: from March till December, 2011 30 ultrasonic video bronchoscopies for the purpose of performance of a transbronchial biopsy of lymph nodes of a mediastinum at 30 patients with a mediastinal lymphadenopathy have been executed. Middle age has made 30 +/-8 years, 14 men and 16 women. The syndrome of a mediastinal lymphadenopathy was established on the basis of the data of a spiral computer tomography. The average size of LN - 1,6 +/-0,4 cm, radiological signs of a pathology of lungs were absent. At all patients preliminary clinical inspection hasn't allowed to differentiate character of a lymphadenopathy. Second step in all were VTS biopsy of lung and histological examination (as gold standard). Results: we didn't have any complications. After cytological examination we find cells of LN in 30 cases. We compared results of cytological and histological examinations. And the results were equal. We found 5 cases of tuberculosis, in 25 patients sarcoidosis. Diagnosis was confirmed by 6 month' period of follow-up. Conclusion: we can see equal results of both examinations. May be in such cases we need not to do of VTS biopsy of lung and histological examination. (Time to change Gold standard?)