

Klinik laborator diagnostikada innovatsion texnologiyalardan foydalanish, muammolar va yechimlar, 2023



**KLINIK LABORATOR
DIAGNOSTIKADA INNOVATSION
TEXNOLOGIYALARDAN
FOYDALANISH, MUAMMOLAR VA
YECHIMLAR**
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Tahrir hay'ati

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Babadjanova Shaira Agzamovna	Gematologiya, transfuziologiya va laboratoriya ishi kafedrası professori
Kurbonova Zumrad Chutbayevna	Gematologiya, transfuziologiya va laboratoriya ishi kafedrası dotsenti
Sayfutdinova Zuhra Abdurashidovna	Gematologiya, transfuziologiya va laboratoriya ishi kafedrası katta o'qituvchisi

Moderatorlar

Kurbonova Zumrad Chutbayevna	Gematologiya, transfuziologiya va laboratoriya ishi kafedrası dotsenti
Sayfutdinova Zuhra Abdurashidovna	Gematologiya, transfuziologiya va laboratoriya ishi kafedrası katta o'qituvchisi

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VIDEOTHORACOSCOPIC STUDIES OF THE BRONCHOPULMONARY SYSTEM IN ORDER TO IMPROVE THE DIAGNOSIS OF TUBERCULOSIS

Liverko I.V.¹, Babamatova H.U.^{1,2}, Maqsadaliyeva Z.²

1 Republican Specialized Scientific and Practical Medical Center of
Phthiology and Pulmonology, Tashkent. Uzbekistan

2 Tashkent Medical Academy, Tashkent. Uzbekistan

The frequency of diffuse lesions of the lungs and pleura has been increasing in the last decade. Histological or bacteriological confirmation of the diagnosis with its morphological verification is now recognized as mandatory, especially when the question arises about the differentiation of bronchopulmonary lesions, including tuberculosis.

The search and improvement of various instrumental methods for obtaining biopsy material of lung tissue, bronchi, pleura and lymph nodes are continuing. The least invasiveness and burdensomeness for the patient, the speed of intervention are the main requirements for the study method.

Over the past 10 years, in phthiopulmonology for the diagnosis of bronchopulmonary diseases, we have developed videothoroscopic methods of bioptic interventions for bronchopulmonary examination of patients.

The purpose of the study: to improve the diagnosis of tuberculosis with the help of video thoroscopic studies of the bronchopulmonary system.

Materials and methods: The data of a video thoroscopic examination with tissue biopsy of 252 patients with various pathologies of the bronchopulmonary system organs were analyzed. All obtained biopsy materials were fixed with neutral 10% formalin and after appropriate treatment histological blocks were prepared and histological sections were stained by staining hematoxylin-eosin. Carl Zeiss light binocular microscopes were used.

The results of the study: Tuberculosis of the chest organs was found in 69 patients, nonspecific inflammatory process – in 99, echinococcal cyst – in 7, pleural mesothelioma - in 32, lung adenocarcinoma in 30, undifferentiated carcinoma – in 8, non-Hodgkin's lymphoma - in 4, squamous cell carcinoma - in 2, hamartoma - in one patient.

Videothoroscopic biopsy of the bronchopulmonary system is a relatively simple and safe method that provides endopulmonary cytogram examination.

Conclusion. The videothoroscopic method allows timely and reliable diagnosis with morphological and histological verification. This makes it possible to prescribe adequate therapy depending on the etiology of the pathological process and choose a reasonable tactic of surgical or conservative treatment.