

IS SURGICAL LUNG BIOPSY A GOLDEN STANDARD IN DIAGNOSING OF IDIOPATHIC INTERSTITIAL PNEUMONIA?

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Summary

We conducted an independent analysis of the same histological samples of lung of 73 patients with different forms of idiopathic interstitial pneumonia (IIP) by three highly qualified experts-pathomorphologists, which had an experience in pulmonology. The samples for histological examination were obtained by means of open (12 patients) and videothoracoscopic (53) lung biopsy, and at autopsy as well (8).

In the result of analysis it was established that all experts similarly described pattern of lung tissue, but they interpreted them in different manner. All study participants made the same histological conclusions in 26,0 % of all cases. In 49,3 % there was a coincidence of conclusions in two out of three specialists. Finally, in 24,7 % (each fourth case) all pathomorphologists made different conclusions.

Such a high rate of discrepancies in interpretation of morphological pattern makes the value of surgical lung biopsy for the purposes of further histological examination doubtful in the process of differentiation of different forms of IIP.