

COMPARISON OF THE RESULTS OF THYROID NODULE CYTOLOGICAL AND HISTOLOGICAL INVESTIGATION

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Background/Purpose: Comparison of the results of preoperative fine needle aspiration biopsy (FNAB) and postoperative histological examination.

Methods: 7815 patients with different thyroid nodules underwent surgery. Preoperative cytological examination was carried out in 3822 patients.

Results: According to the cytologically received data follicular tumor was observed in 1519 (39.8%), colloid nodule – in 1169 (30.6%), papillary carcinoma – in 871 (22.7%) cases. In the group with cytologically received papillary carcinoma cancer was confirmed histologically in most of cases - in 757 (88.0%) patients. Follicular cancer was found in 16 (2.0%), medullary carcinoma – in 4 (0.5%) cases. Cytological diagnosis of medullary carcinoma was confirmed histologically in 50 (79.6%) patients. In the group with preoperative cytologically diagnosis of colloid nodule 36 (4.0%) patients showed cancer.

Discussion & Conclusion:

1. In case of benign tumors received by FNAB malignancy is not excluded.
2. Sensitivity and specificity of FNAB in case of thyroid nodules were 65.9 -79.5% and 75.8 – 99.7% respectively.