

## **TRENDS IN DIFFERENTIATED THYROID CANCER PATIENTS SURGICAL TREATMENT IN ONE CENTER: 37 YEARS PRACTICE**

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**Background/Purpose:** The basic principles of modern oncosurgery are adequacy and safety.

**Methods:** During 1973 – 2010 in our Center were operated on 25655 thyroids, including 3496 (13.6%) thyroid cancers (TC). Since 1981 TC operation we added by 3, 4, 6 neck lymphatic groups biopsy. After 1989 we performed thyroidectomy (TE) in 2.6 times often (65.1%) then before, since 1998 - in every TC patients TE has combined with central compartment lymphadenectomy (CCLE). Last 10 years CCLE rate increased up to 89.3%. Finally CCLE was performed in 1659 (47.4%) and lateral neck dissection (LND) – in 657 (18.8%) TC patients.

**Results:** In 15.4% of 1659 cases CCLE was performed for removal of TC metastases, in others – as preventive procedure. But in 21.8% of 1403 cases TC micrometastases were detected and amount of medical CCLE has increased up to 33.9%. LND has shown additional metastases in 60-70%. Since 1998 CCLE together with LND were performed in 962 patients. Actually TC metastases were found in 404 (42%) cases. Routine CCLE reduced RLN + PTG injury rates since 4.1 to 1.3%, RLN injures - to 0.26%, TC relapses were revealed in 0.27%, repeated lymphatic metastases - in 1.4%.

**Discussion & Conclusion:** Prophylactic and curative CCLE under visual RLN and PTGs has reduced of specific postoperative complications rates and necessity of reoperations for 6 group lymphatic nodes metastases.