

The Using of Magnetic Resonance Tomography and Multispiral Computer Tomography to Clarify the Clinical Stage of the Tumor Process in the Oral Cavity and Oropharynx

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Abstract

Presents an analysis of the results of magnetic resonance tomography and multispiral computer tomography of 41 patients with malignant tumors of the oral cavity and oropharynx, who were treated in Saint Petersburg City Clinical Oncology Dispensary 2012–2013. According to the research conducted TNM staging: determination of tumor process, evaluation of metastatic lymph nodes. A discrepancy in defining TNM stage of the tumor on clinical and MRI, CT. As a result, MRI and CT analysis changes T stage towards its increase occurred in 44 % of cases, the change in N stage upward occurred in 59 % of cases, the overall TNM stage, the increment in 46 % of cases. Restaging of the tumor process in the direction of increasing stage was associated with detection of tumor dissemination process on deep anatomical structures (skeletal muscles of the tongue, bones structures, large blood vessels of the neck). Considerable difficulty in the formulation of T stage clinical picture was tumor T3 (error rate 82 %). CT and MRI are the most effective ways of diagnosing malignant tumors of the oral cavity and oropharynx, which allows to detail the plan for the complex treatment of patients with this pathology.

Key words: Malignant Tumors of the Oral Cavity and Oropharynx, TNM Stage, Multispiral Computer Tomography, Magnetic Resonance Tomography.

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