High-dose Rate Interstitial Brachytherapy in the Treatment of Locally Advanced Malignant Tumors of the Tongue

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Abstract
The article presents the results of the use of interstitial HDR brachytherapy as a component in the complex therapy for tongue cancer. In the period from November 2013 to May 2015 treated 7 patients diagnosed with locally spread cancer of the tongue. In 6 cases HDR brachytherapy were used in combination with external beam therapy and only 1 patient we used this method in independent form. As a result of the treatment 3 patients had a complete clinical remission, confirmed by MRI data and histological examination (follow-up period lasted 2–18 months). The recurrence of the tongue cancer with metastases in the lymph nodes of the neck was diagnosed in 1 patient (4 months after the end of treatment). In 3 patients during follow-up revealed recurrence in the lymph nodes of the neck.

Key words: HDR Brachytherapy, Tongue Cancer, External Beam Radiotherapy.

References


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