

COLD PLASMA SURGERY OF THE BENIGN LESION IN THE LARYNX

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Nowadays the method of the treatment of benignant neoplasms in the larynx is their endolaryngeal removal under the general anesthesia.

In the ENT clinic in Moscow regional research clinical institute named after M.F. Vladimirov the method of cold plasma surgery or coblation has been used for the surgical treatment of the benignant neoplasms in the larynx since 2008.

The Coblator II Surgery System (California, the USA) and electrode EIC7070-01 «PROcise LW» are used for these purposes. We have examined 15 patients both female and male, aged 22-57 years suffered from different kinds of the benignant neoplasms in the larynx. 9 patients suffered from the polyps in the vocal folds, 2 patients suffered from fibromatosis and 4 patients suffered from larynx papillomatosis.

The used method of endolaryngeal cold plasma microsurgery depends on the kind of benignant neoplasms in the larynx. The ablation capacity equal 5 and the coagulation capacity equal 3 are used for surgical treatment of larynx papillomatosis.

The ablation capacity equal 7 and the coagulation capacity equal 3 are used for the surgical treatment of various neoplasms of vocal folds.

The use of cold plasma surgery in our clinic in case of the benignant neoplasms in the larynx has allowed us to achieve good clinical and functional results in all cases, relapses have not been found. In this connection the way of cold plasma surgery in the treatment of the benignant neoplasms in the larynx is a new perspective direction in Laryngology. It facilitates and reduces surgery time and opens new additional resources for the phonosurgeon.