

## The Morphological Picture of the Reinke's Oedema

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**Abstract :** Reinke's oedema is a specific type of chronic laryngitis evolving only in smokers. Our study aimed to identify the presence and interaction of the immunohistochemical markers for inflammation [IL-1 $\alpha$ ] and [IL-10], proliferation [Ki-67] and immunoreactive innervation [PGP 9.5] in the laryngeal mucosa using biotin-streptavidin immunochemical staining method. The laryngeal tissue samples were taken from the vocal cord during the surgery of the Reinke's oedema and compared to the control group from the tissue samples of the cadavers without any visual laryngeal disease. The study results confirm increased cellular proliferation and elevation of the inflammation markers in the laryngeal mucosa in the case of Reinke's oedema by comparing with the control.

**Keywords :** reinke's oedema, immunohistochemical markers, laryngeal mucosa, biotin-streptavidin

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