

# **Zastosowanie protez głosowych typu Provox 2 w chirurgicznej rehabilitacji głosu u chorych po całkowitym usunięciu krtani**

The application and usage of the vocal prosthesis Provox 2 for rehabilitation speech after total laryngectomy

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## **Summary**

The authors have presented the application and usage the alloplastical vocal prosthesis Provox 2 to serve for rehabilitation speech after total laryngectomy. Surgical technique of implantation of vocal prosthesis was discussed. The authors estimated in 6 patients following parameters of speech; fundamental frequency, maximum fonation time of vowel „a”, maximum intensity and degree of dysphonia. In all 6 cases post-operative course was uncomplicated. Above mentioned parameters of voice were measured in order to comparison quality of oesophageal speech to tracheo - oesophageal speech. The authors assessed speech at 6 patients with voice prosthesis and 6 with good oesophageal speakers as a control group. The results of our investigations showed, that quality of tracheo - esophageal speech obtained with usage vocal prosthesis Provox 2 is more like normal speech than oesophageal speech. Social efficiency and quality of tracheo - oesophageal voice is better than oesophageal voice.