

Comparative study between microdebrider, radiofrequency and classic microlaryngosurgical in the treatment of benign vocal cord lesions

Background

Benign vocal fold lesions are a common cause for hoarseness of voice.

Aim

The aim of this work was to investigate the efficacy and safety of microdebrider and radiofrequency in excision of benign vocal fold lesions compared with the classic microlaryngosurgical (MLS).

Patients and methods

This study included 30 patients, 22 male and eight female, diagnosed to have benign vocal fold lesions, who were divided into three groups: They were assessed preoperatively and 2 weeks postoperatively using the GRB scale for auditory perceptual assessment and computerized speech lab.

Results

Marked improvement of vocal functions with no statistically significant differences between the three groups was observed.

Conclusion

Radiofrequency and microdebrider could be used in the treatment of benign vocal fold lesions with nearly the same results of MLS.

Keywords:

benign vocal fold lesions, microdebrider, microlaryngosurgical, radiofrequency