RADIOFREQUENCY SURGERY IN OTORHINOLARYNGOLOGY

Prof. Klaus VOGT, M.D., D.D.S., Ph.D.
Melanie BARTSCH

ENT Practic and Day Surgery Center
Provianthaus Rendsburg

Faculty of Medicine, University of Latvia, Riga, Latvia

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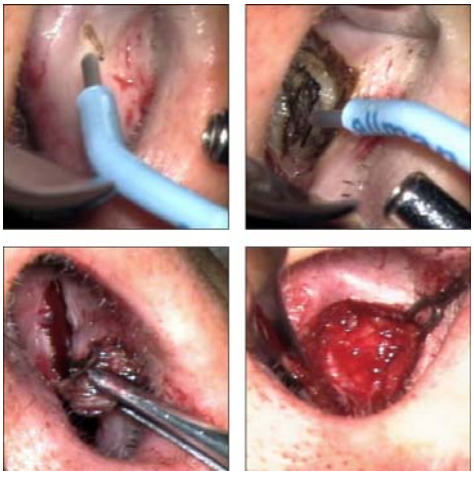

The new KARL STORZ "silver booklet" provides a complete overview of the current methods of Radiofrequency (RF) Surgery in Otorhinolaryngology, exceeding the limits of the well-known interstitial techniques of radiofrequency application in somnosurgery. A brief introduction dealing with the basic physical principles and technical requirements of RF surgery is followed by a practical guide into the basic surgical techniques of incision, ablation, coagulation and soft-tissue / cartilage dissection. The information given in the text is complemented by corresponding video sequences on the accompanying DVD.

Further chapters attend to the special methods of RF-Tonsillotomy and RF-Turbinotomy, that are gaining increasingly in importance and have already come into wide-spread use in the daily surgical practice of ENT-practitioners.

By presenting the results of their experiences the authors further substantiate the role of the method which is essentially characterized by the combined use of classical techniques of rhinosurgery and endonasal sinus surgery with the RF-microfiber technique involving a new approach to ablation and coagulation in anatomically difficult regions.

Clinical examples, such as palliative ablation of recurrent polyps, marsupialization of mucoceles or sinus revision surgery are demonstrated in the video clips.

Endolaryngeal surgery can be performed as an extension to the classical microlaryngoscopic approach by using special electrodes or a microfiber that is controlled with the aid of proven guiding instruments. In addition, the authors report on their experiences with another valuable therapeutic option, the microfiber technique under fiberscopic guidance which can be performed without general anesthesia in an outpatient setting.

The booklet also addresses the newest developments of the authors concerning RF-Myringotomy and the application of a thin microfiber within the middle ear by use of an improved guiding instrument, that allows suction and targeted application of radio frequency under excellent endoscopic vision.

The clinical part includes a detailed description of methods in somnosurgery, such as submucosal tissue reduction of the soft palate, the uvula-flap-technique or the pharyngoplasty as described by Cahali. This chapter is also complemented by corresponding video clips.

In the final section, the beginner finds instructions on how to learn radio frequency surgery by training on various models, such as the gelatine model, the pig ear model and pig nose model.

Schematic drawings and a large number of color photographs the booklet provide valuable information on the topic. In the back section of the booklet there is a presentation of the instrumentation and videoendoscopic equipment; the dynamics of the surgical processes may be studied from 18 video clips on the attached DVD.

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KARL STORZ GmbH & Co. KG
Mittelstrasse 8, D-78532 Tuttlingen / Germany
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