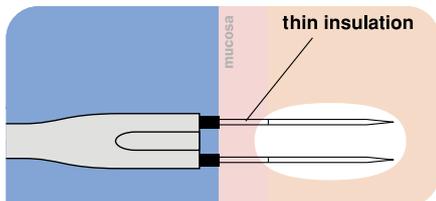
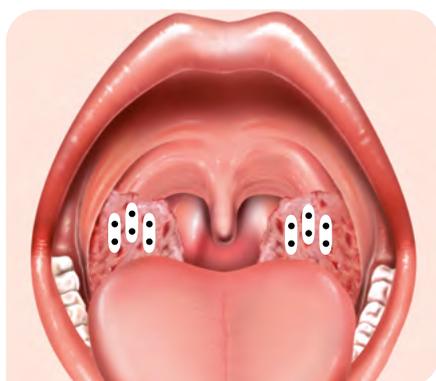


# Procedure Guidelines for bipolar Radiofrequency Volume Reduction (RaVoR™) of the tonsils



**Fig. 1: Correctly placed RaVoR™ bipolar electrode: Complete insertion of the thin insulation protects the mucosa from surface lesions.**



**Fig. 2: Puncture sites for the application of radiofrequency energy in the tonsils with the RaVoR™ bipolar electrode (REF: 70 44 62).**

## Indications/Contraindications

Reduction of hyperplasia of the tonsils in children and adults with sleep-related breathing disorders. For patients with recurrent acute inflammation of the tonsils RF surgery is not recommended as the primary means of treatment. There are no specifically known contraindications for RF surgery.

## Patient preparation

For adults, outpatient treatment with local anesthesia. For children, usually general anesthesia. Perioperatively administer intravenous antibiotics as a prophylactic measure, e. g. cefazoline 2g. For local anesthesia first apply a surface anesthetic (e.g. lidocaine pumping spray) and injection of a local anesthetic together with a vasoconstrictor (e.g. lidocaine 2% plus adrenaline 1:200.000). Depending on the size of the tonsils administer 3-4 shots per tonsil along the anterior pillars (about 10ml in total).

## Procedure

Insert the application probe (REF: 70 44 62) in 2, 3 or 4 places, depending on the size of the tonsils, coming from the medial face (Fig. 2). Before RF activation, fully insert the probe together with the thin insulation up to the metal portion (Fig. 1). During the application a white discoloration may occur in the tissue.



**Fig. 3: RaVoR™ bipolar electrode, single-use (REF: 70 44 62)**



**Fig. 4: Bipolar adapter for RaVoR™ single-use (REF: 37 38 51)**

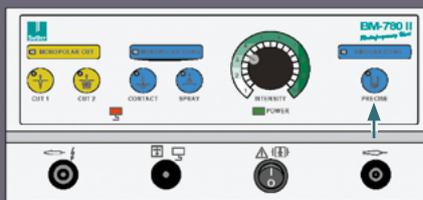
## Postoperative treatment

Specific postoperative treatment is not required. If required, give pain medication (paracetamol or diclofenac). Continue oral antibiotic prophylaxis for five days. Inform patients that the desired surgical effect will occur with a delay. In the first few days after the surgery tissue swelling and fibrin exudation may occur, especially in children, and lead to considerable constriction of the lumen and an increase in symptoms.

## Settings\* for BM-780 II Radiofrequency Generator

(REF: 36 00 80-01)

RaVoR™ bipolar electrode: Bipolar PRECISE  
Power adjustment: 3 to 4, ⌚ 10 sec.



For further accessories see back page.

\* Please consider that this information is not meant to serve as a detailed treatment guide. Always start with the lowest settings and adjust them accordingly.

## Recommended products for this treatment



**RaVoR™** (Radiofrequency-Volume-Reduction) incl. Adapter Sutter BM-780 II

Qty.	REF	Description
1	<b>70 44 62</b>	<b>RaVoR™</b> bipolar electrode, single-use working length: 103 mm
1	<b>37 38 51</b>	Bipolar adapter Sutter BM-780 II for RaVoR™ bipolar electrodes, single-use



**BM-780 II** Radiofrequency Generator  
basic set

Qty.	REF	Description
1	<b>36 00 80-01</b>	<b>BM-780 II</b> Radiofrequency generator (incl. mains cord, user manual, test protocol and instruction CD-ROM)
1	<b>36 01 05</b>	Foot switch, protection class IP X8
1	<b>37 01 38 L</b>	Bipolar silicone cable, length: 4.5 m
1	<b>36 02 18</b>	Monopolar pencil for Ø 2.4 mm shaft electrodes, cable length: 4 m
1	<b>36 02 36</b>	Cable for single-use patient plates, length: 4.5 m



**available patient plates:**

1 (x 100)	<b>29 00-5</b>	Single-use patient plate, split, for adults and children, PU 20 x 5 pcs.
1 (x 50)	<b>95 80 04</b>	Single-use patient plate, split, for adults, PU 10 x 5 pcs.
1 (x 50)	<b>95 80 05</b>	Single-use patient plate, split, for children, PU 10 x 5 pcs.
1	<b>36 02 26</b>	Re-usable rubber patient plate

Product availability is subject to regulatory approval in individual markets. Products may therefore not be available in all markets.  
Lengths for orientation purposes; may vary slightly.



**PRECISION ELECTROSURGERY**  
Made in Germany

**SUTTER MEDIZINTECHNIK GMBH**

TULLASTRASSE 87 · 79108 FREIBURG/GERMANY  
TEL. +49(0)761-51551-0 · FAX +49(0)761-51551-30  
WWW.SUTTER-MED.COM · INFO@SUTTER-MED.DE