

Septal Turbinate Reduction
Technique Guide

 **smith&nephew**
COBLATION[®]
REFLEX ULTRA[®] PTR
Turbinate Reduction Wands



Immediate tissue removal and
continued postoperative contraction
for septal turbinate procedures

COBLATION[◇] Septal Turbinate Reduction with REFLEX ULTRA[◇] PTR Wand

Preparation

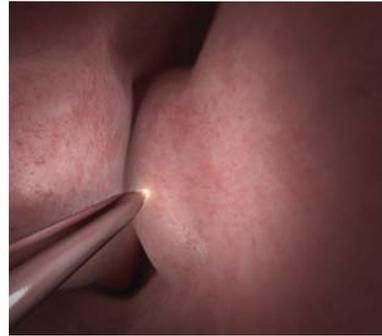
- 1 Before the procedure begins, administer local or general anesthesia according to institution guidelines and based on surgeon preference.
- 2 Before each insertion into the septal turbinate, place wand tip in saline gel or other conductive media to ensure initial formation of the plasma field.

NOTE: The turbinate may be injected with 2-4cc of 1% Lidocaine with or without epinephrine in order to balloon the turbinate, according to surgeon preference.

Surgical Procedure



Step 1
Locate the tissue of the septal turbinate that is desired to be reduced.



Step 2
Press the COBLATION (yellow ablate) foot pedal while advancing the wand tip submucosally into the septal turbinate. Once inserted, remove your foot from the COBLATION foot pedal.



Step 3
Advance the inactivated wand submucosally to the desired tissue to be treated, ensuring the electrodes on the wand tip are submucosal.



Step 4
Carefully remove the inactivated wand. This process may be repeated to create multiple channels to decrease the size of the septal turbinate.

Warning: take care not to perforate the posterior aspect of the septal turbinate.

Press the COBLATION foot pedal while holding the wand in place and keep the wand activated for 10 seconds to create the first lesion. The wand may also be gently moved in a circular motion to increase the size of the lesion¹

COBLATION[◇] Plasma Technology

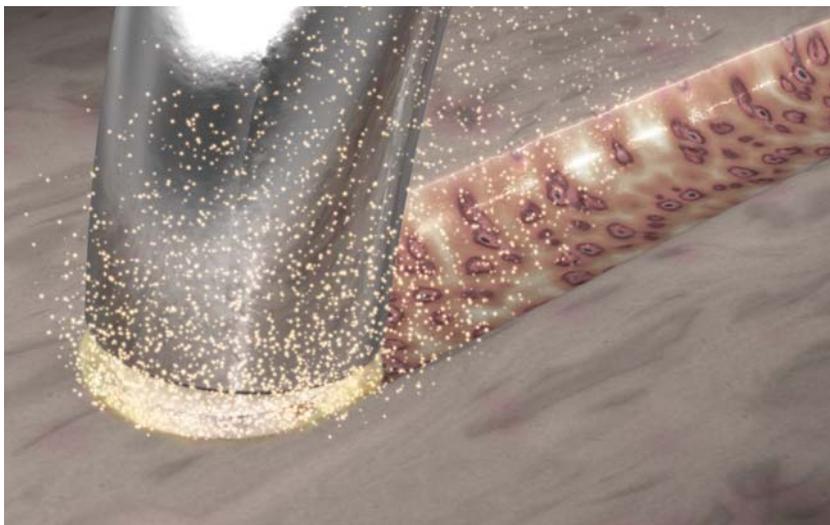
The term COBLATION means 'controlled ablation.' COBLATION technology involves the creation and application of a high-energy field called 'glow discharge plasma.' This plasma ablates tissue through a chemical process as highly energized particles in the plasma break down molecules in the tissue. COBLATION technology provides two distinct advantages to the surgeon:

- COBLATION plasma technology operates at lower temperatures than other RF based technologies²
- The 100 μ m – 200 μ m plasma field (about the size of a human hair) allows for precise removal of soft tissue with minimal thermal damage to untargeted tissue²

Plasma field formation



COBLATION plasma technology on soft tissue



References

- 1 PN 86029 Comparative Study of ArthroCare Reflex Wands and Olympus Celon ProBreath Wand.
- 2 Stalder K. Coblation in Otolaryngology. Proc SPIE 2003; 4949:341-353.

Ordering information

REFLEX ULTRA[®] PTR Wand

Reference #	Description
EICA4835-01	ReFlex Ultra PTR Wand
EC8000-01	Coblator [®] II Controller

The following is for informational and educational purposes only. It is not intended to serve as medical advice. It is the responsibility of treating physicians to determine and utilize the appropriate products and techniques according to their own clinical judgment for each of their patients.

For more information on the REFLEX ULTRA[®] PTR Wand, including its indications for use, contraindications, and product safety information, please refer to the product's label and the Instructions for Use packaged with the product.

Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Smith & Nephew representative if you have questions about the availability of Smith & Nephew products in your area.



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