



Immediate tissue removal and continued
postoperative contraction

 **smith&nephew**
COBLATION[®]
REFLEX ULTRA[®] PTR
AND ULTRA 45
Turbinate Reduction Wands

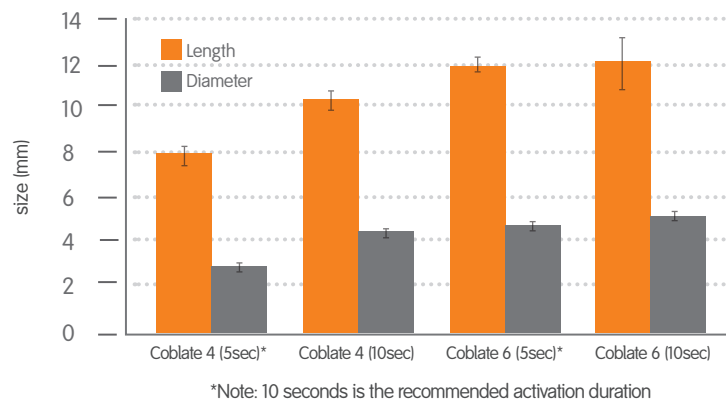


REFLEX ULTRA[◇] PTR Turbinate Reduction wand

With a sleek profile and integrated visual markers, the REFLEX ULTRA Wands make turbinate reduction fast and efficient. COBLATION[®] treatment for hypertrophic turbinates results in immediate removal of central turbinate tissue and continued postoperative contraction of additional tissue for best-in-class results.^{1,2}

- Shorter, smaller diameter provides easy access and reduces visual obstruction
- Two orange depth markers for improved visibility

REFLEX ULTRA PTR turbinate reduction wand lesion data³



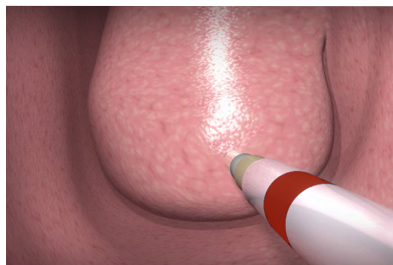
COBLATION[◇]-CHANNELING with REFLEX ULTRA[◇] PTR Wand

Preparation

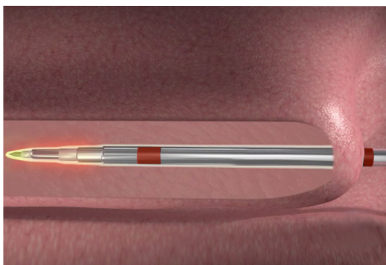
- 1 Before the procedure begins, administer local or general anesthesia according to institution guidelines and based on surgeon preference.
- 2 Before each insertion into the turbinate, place wand tip in saline gel or other conductive media to ensure initial formation of the plasma field.

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.

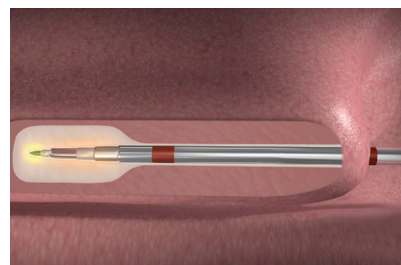
Surgical Procedure



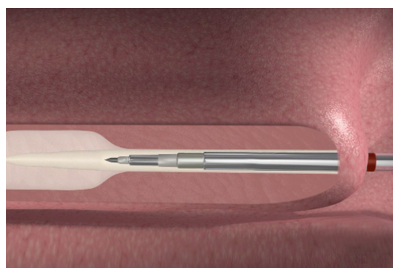
Step 1
Press the COBLATION[◇] (yellow ablate) foot pedal while advancing the Wand tip submucosally into the inferior turbinate. Once inserted, remove your foot from the COBLATION foot pedal.



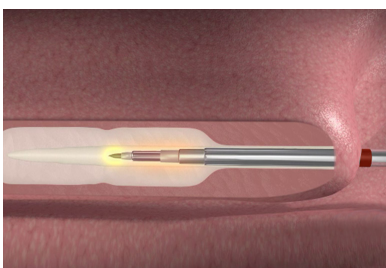
Step 2
Advance the inactivated wand submucosally to the most proximal (closest to the handle) marker or desired depth. Warning: Take care not to perforate the posterior aspect of the turbinate.



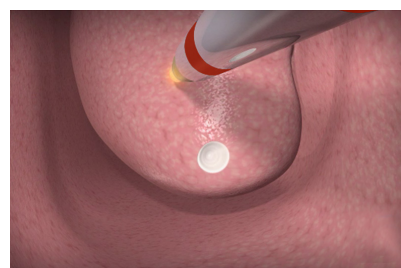
Step 3
Press the COBLATION foot pedal while holding the Wand in place and keep the wand activated for 10 seconds to create the first lesion. The wand may also be gently moved in a circular motion to increase the size of the lesion.⁴



Step 4
Withdraw the inactivated wand to the distal (closest to the Wand tip) visualization marker or desired depth. Warning: Take care not to perforate the posterior aspect of the turbinate.



Step 5
Press the COBLATION foot pedal and activate the wand for 10 seconds to create a second lesion. The wand may also be gently moved in a circular motion to increase the size of the lesion.⁴



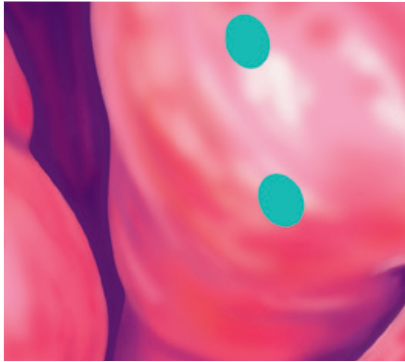
Step 6
Carefully remove the inactivated wand. This process may be repeated to create multiple channels to decrease the size of the turbinate.

REFLEX ULTRA[◇] 45 Turbinate Reduction Wand

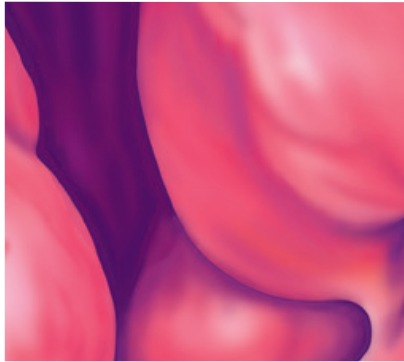
With a slightly longer shaft length and integrated markers, the REFLEX ULTRA 45 Wand is suited for the reduction of larger turbinates

Key features

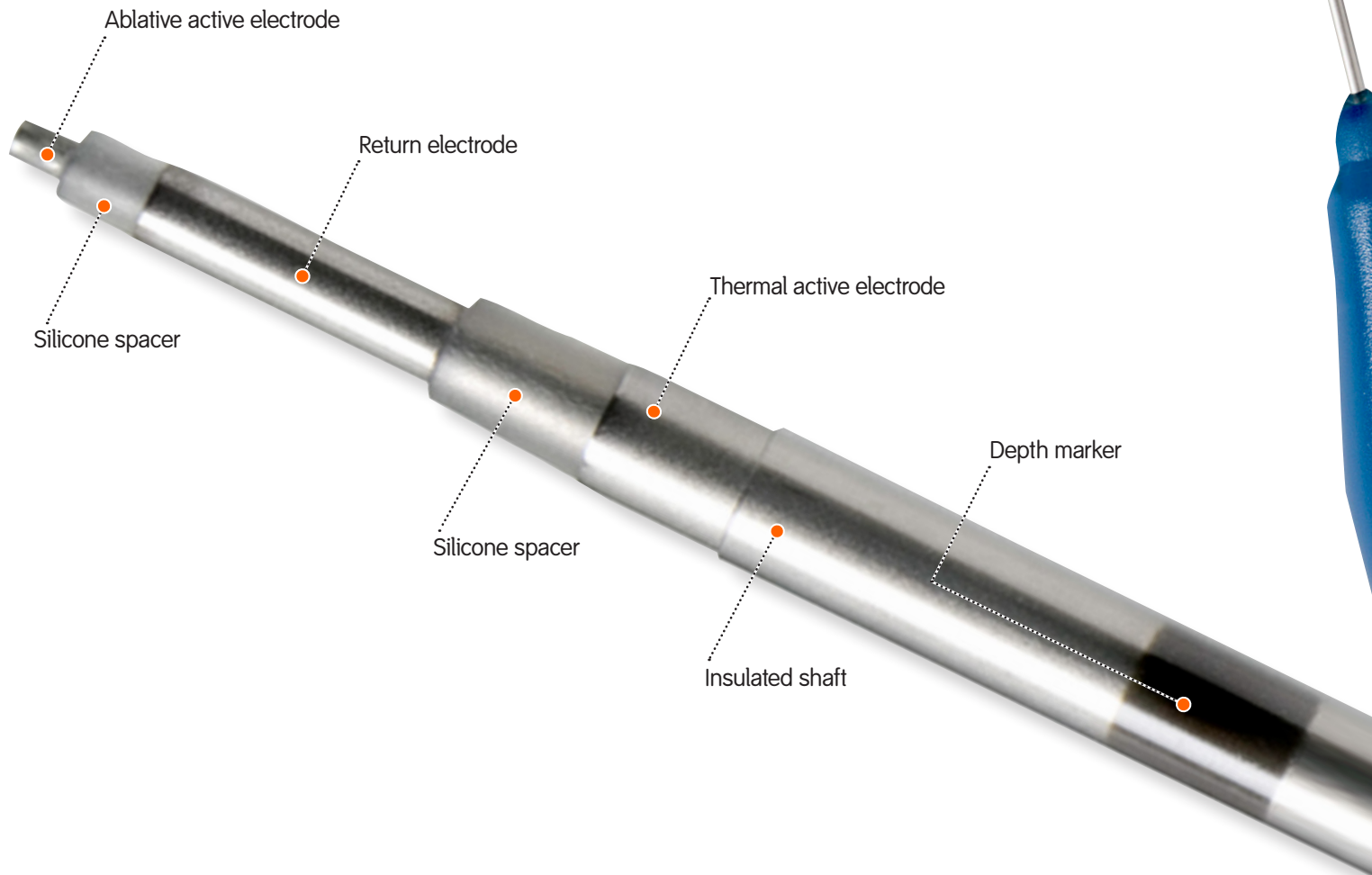
- May treat both anterior and posterior portion of turbinate
- Features three black depth markers for improved device positioning visibility



Green dots indicate wand entry points



Tissue removal leads to immediate opening of the nasal airway



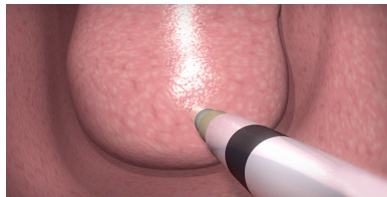
COBLATION[◇]-CHANNELING with REFLEX ULTRA[◇] 45 Wand

Preparation

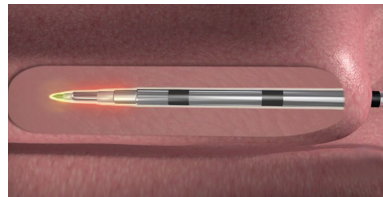
- 1 Before the procedure begins, administer local or general anesthesia according to institution guidelines and based on surgeon preference.
- 2 Before each insertion into the turbinate, place wand tip in saline gel or other conductive media to ensure initial formation of the plasma field.

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.

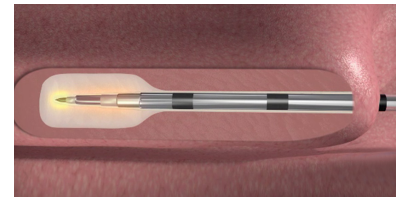
Surgical Procedure



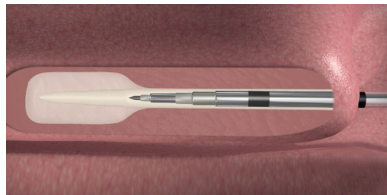
Step 1
Activate the wand using the COBLATION[◇] (yellow ablate) foot pedal and enter the tip submucosally into the turbinate. Once inserted, take your foot off the pedal.



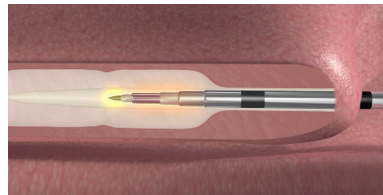
Step 2
Advance the inactivated wand submucosally to the most proximal (closest to the handle) marker or desired depth. Warning: Take care not to perforate the posterior aspect of the turbinate.



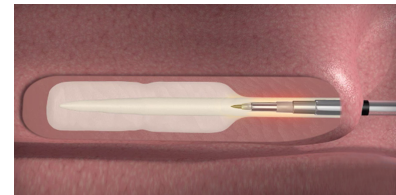
Step 3
Press the COBLATION foot pedal while holding the wand in place and keep the wand activated for 10 seconds to create the first lesion. The wand may also be gently moved in a circular motion to increase the size of the lesion.⁴



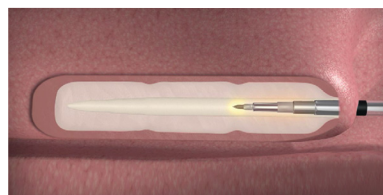
Step 4
Withdraw the inactivated wand to the next visualization marker or desired depth. Warning: Take care not to perforate the posterior aspect of the turbinate.



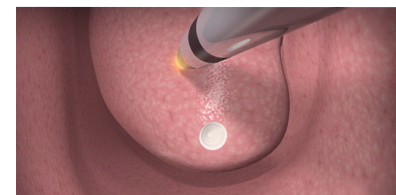
Step 5
Press the COBLATION foot pedal and activate the wand for 10 seconds to create the second lesion. The wand may also be gently moved in a circular motion to increase the size of the lesion.⁴



Step 6 (REFLEX 45 only)
Withdraw the inactivated wand to the most distal (closest to the wand tip) visualization marker or desired depth.



Step 7 (REFLEX 45 only)
Press the COBLATION foot pedal and activate the wand for 10 seconds to create a third lesion. The wand may also be gently moved in a circular motion to increase the size of the lesion.⁴

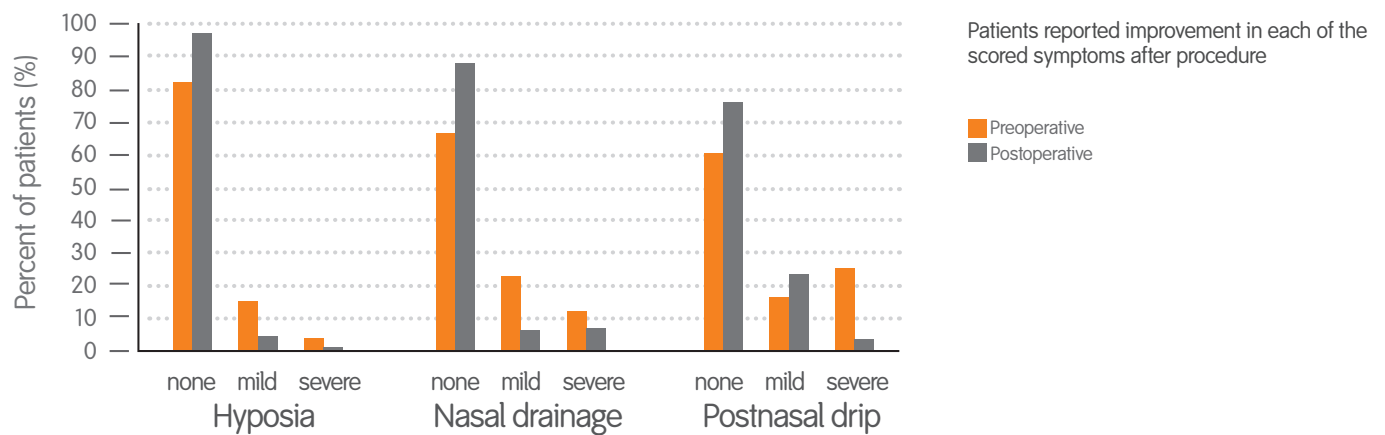


Step 8
Carefully remove the inactivated wand. This process may be repeated to create multiple channels to decrease size of turbinate.

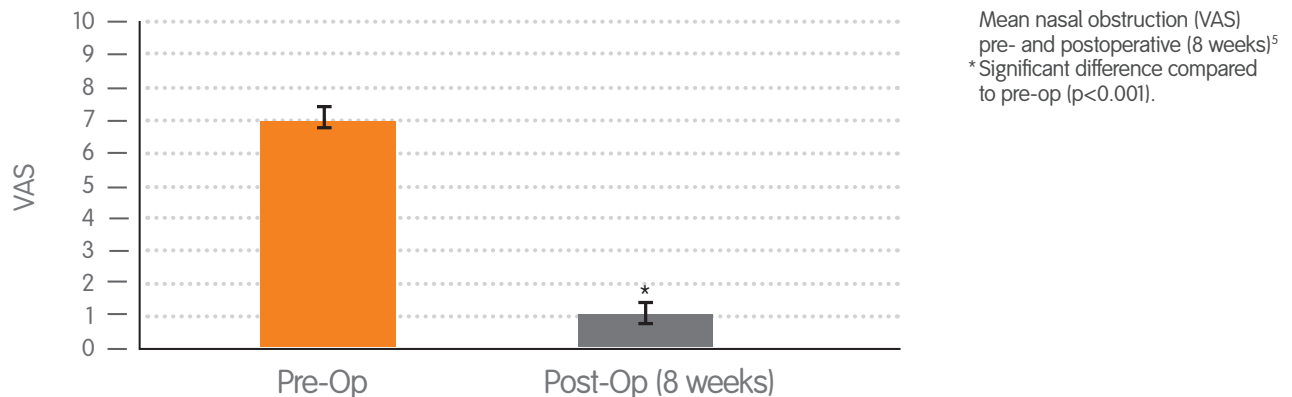
Proven results¹

Minimally invasive hypertrophic turbinate procedure can be efficiently performed in the operating room or in office settings

Pre- and postoperative symptoms using COBLATION[®] plasma technology with the REFLEX ULTRA[®] 45 Wand at 8-week follow-up⁵



Visual analog scale⁵

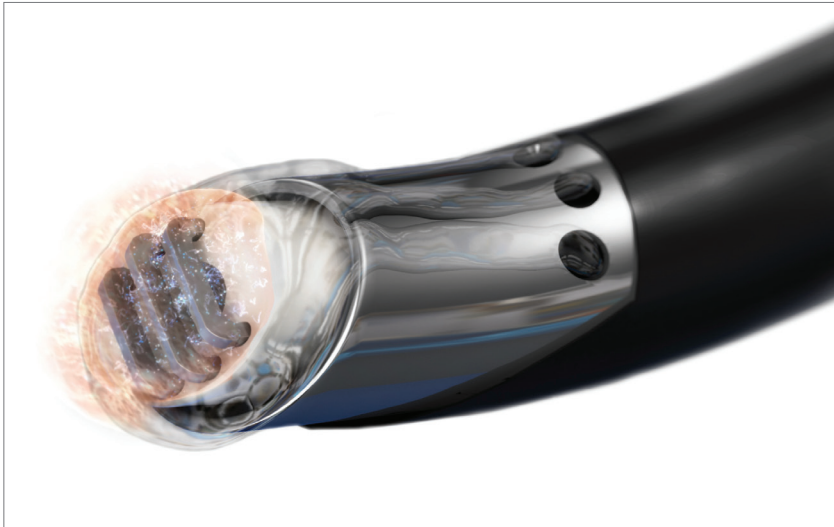


COBLATION[®] Plasma Technology

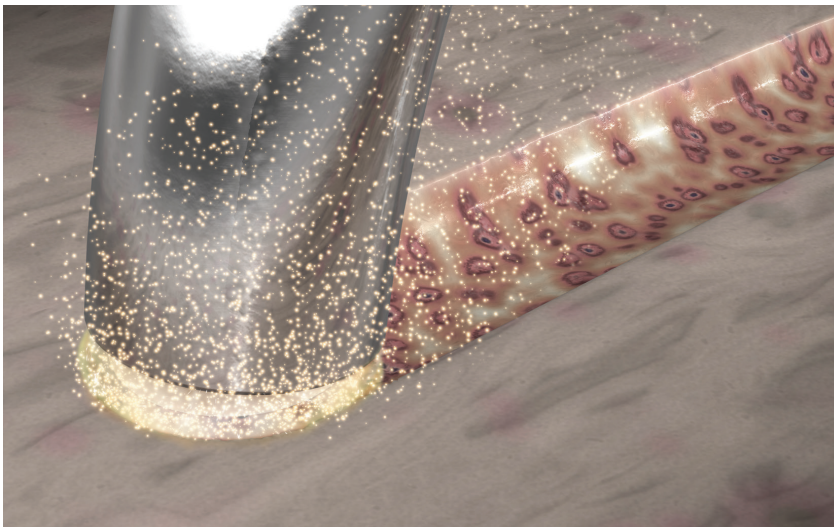
The term COBLATION means 'controlled ablation.' COBLATION technology involves the creation and application of a high-energy field called 'glow discharge plasma.' This plasma ablates tissue through a chemical process as highly energized particles in the plasma break down molecules in the tissue. COBLATION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

- COBLATION plasma technology operates at lower temperatures than other RF based technologies⁵
- The 100µm – 200µm plasma field (about the size of a human hair) allows for precise removal of soft tissue with minimal thermal damage to untargeted tissue⁵

Plasma field formation



COBLATION plasma technology on soft tissue



References

- 1 Data on file P/N 86029 Rev. A, ArthroCare, Inc.
- 2 L. Bäck et. al.: Radiofrequency Thermal Ablation, Laryngoscope 112 (2002) 1806-1812.
- 3 Reference P/N19123 Turbinate Wand Thermal Penetration Bench Top Study Report: Figures 2, 6, 9, 12.
- 4 P/N 86029 Comparative Study of ArthroCare Reflex Wands and Olympus ProBreath Device.
- 5 Z. Roje et al.: Coblation for Inferior Turbinate Reduction, Coll. Antropol. 35 (2011) 1:143-146.

Ordering information

REFLEX ULTRA® PTR and 45 Wand

Reference #	Description
EICA4835-01	ReFlex Ultra PTR Wand
EICA4845-01	ReFlex Ultra 45 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.



Supporting healthcare professionals for over 150 years



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