



### The Model 1120 Turbinate Somnoplasty Handpiece features:

- ▲ Long length to access entire inferior turbinate
- ▲ Streamlined design for excellent visualization
- ▲ White insulation to assist in electrode placement

### Published, peer-reviewed, clinical studies have demonstrated:

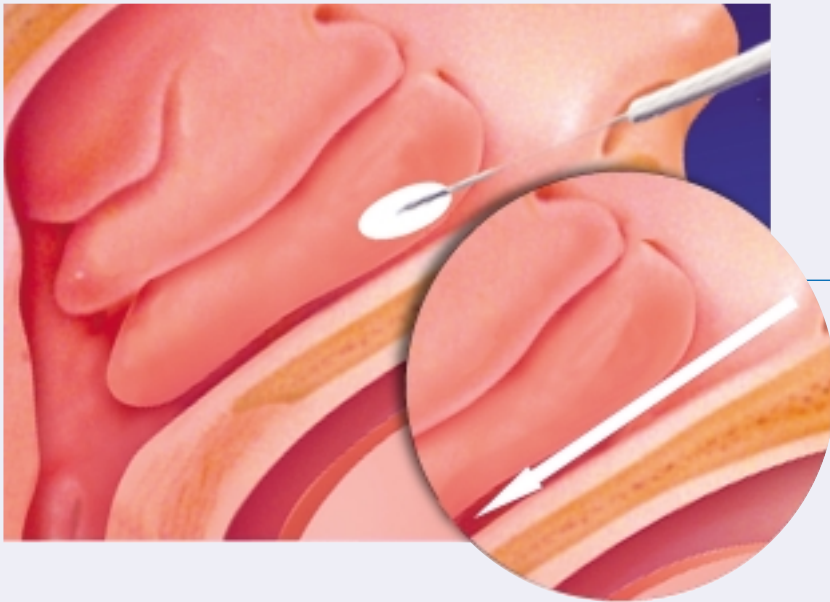
- ▲ Improved breathing in 95-100% of patients<sup>1,3</sup>
- ▲ Reduced need for nasal medications post-treatment<sup>1</sup>
- ▲ Sustained reduction in nasal obstruction for one year following treatment<sup>2</sup>
- ▲ Minimal pain and adverse effects — no bleeding, adherent crust formation or need for nasal packing<sup>1,2,3</sup>

### The Somnoplasty System:

- ▲ Delivers temperature-controlled radiofrequency (TCRF) thermal energy to reduce and tighten tissue in the upper airway
- ▲ Thermocouples at the needle tip and insulation continuously monitor and control temperature, thereby preserving surface mucosa and reducing pain, bleeding, and other complications
- ▲ Procedures are performed using local anesthesia in an outpatient or office setting
- ▲ Cleared to treat a variety of sleep and breathing disorders — including chronic turbinate hypertrophy, obstructive sleep apnea syndrome, upper airway resistance syndrome, and habitual snoring

### Catalog Information:

- ▲ 1120-4110-05 - Handpiece (5 per package)
- ▲ 720-1017 - Cable (1 per package)



TCRF energy is delivered submucosally into the inferior turbinate; tissue is heated to create a coagulative lesion. The body naturally resorbs the lesion over a period of 3-8 weeks leading to tissue volume reduction and relief from nasal obstruction.

### Reducing Nasal Obstruction

Over 1.5 billion people worldwide are affected by chronic nasal obstruction (CNO). Those suffering from enlarged turbinates often endure the prolonged use of intranasal sprays and systemic medications – some carrying significant side effects. Over time compliance and effectiveness of these medical therapies can be compromised. Surgical intervention was the only permanent solution considered for only the most severely affected patients.

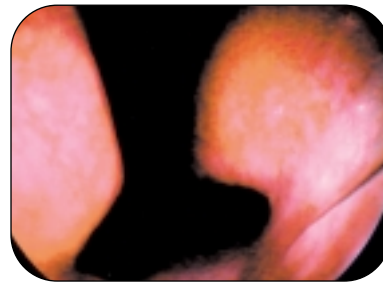
### A Better Solution

The Turbinate Somnoplasty Treatment is simple and typically takes less than two minutes per turbinate. The ability to monitor and control temperature during energy delivery spares the turbinate mucosa, which is important to warm and humidify inspired air and prevent nasal entry of viruses and bacteria.<sup>4</sup> The result is relief from nasal obstruction with minimal complications. Most patients return to normal activities immediately following treatment.

### See the difference before and after the Turbinate Somnoplasty Procedure



Pre-treatment



4 weeks  
Post-treatment

### References:

- 1 D Utley, et al: *Radiofrequency Energy Tissue Ablation for the Treatment of Nasal Obstruction Secondary to Turbinate Hypertrophy*. Laryngoscope, 109:683-686, 1999.
- 2 TL Smith, et al: *Radiofrequency Tissue Ablation of the Inferior Turbinates Using a Thermocouple Feedback Electrode*. Laryngoscope, 109:1760-1765, 1999.
- 3 KK Li, et al: *Radiofrequency volumetric tissue reduction for treatment of turbinate hypertrophy: A pilot study*. Otolaryngology – Head and Neck Surgery, 119:6:569-573, 1998.
- 4 Wanner, A.: *State of the Art. Clinical aspects of mucociliary transport*. Am Rev Respir Dis, 116:73-125, 1977.



Gyrus ENT LLC • 2925 Appling Road • Bartlett, TN 38133 U.S.A.  
 (901) 373-0200 • For information: 1-800-262-3540 • For orders and order inquiries: 1-800-773-4301  
[www.gyrus-ent.com](http://www.gyrus-ent.com)