

ADVANCED ENERGY IN HEAD AND NECK CANCER



Wednesday, May 24, 2017
4:00 pm PST / 7:00 pm EST

Please join us for this exclusive online webinar event, led by Dr. Barry Wenig. This live webinar will focus on the background and application of advanced energy technology in head and neck cancer cases.

Webinar attendees will receive vital knowledge about the clinical benefits of OmniGuide's CO2 laser energy, including the following:

- 10x less thermal damage as compared to electrocautery¹
- Average of 2.3x lower depth of thermal spread as compared to harmonic scalpel²
- Significantly shorter mean hospital stay, time to oral intake and intraoperative bleeding that required cauterization as compared to electrocautery³
- The key benefits specific to OmniGuide's proprietary fiber technology



BARRY WENIG, MD, MPH, FACS

Dr. Wenig is the Director of Head and Neck Surgery and Robotic Surgery in the University of Illinois Chicago Department of Otolaryngology-Head and Neck Surgery, and the Francis L Lederer Professor. He is an expert on the diagnosis and treatment of cancers of the head and neck and a nationally recognized leader in minimally-invasive robotic surgery to remove head and neck tumors. Dr. Wenig treats patients with malignant and benign tumors of the head and neck, with the goal of eradicating cancer while maintaining quality of life issues such as speech and swallowing function. He serves as part of a multidisciplinary team of surgeons and other clinicians that treats patients at the Head and Neck Cancer Center.

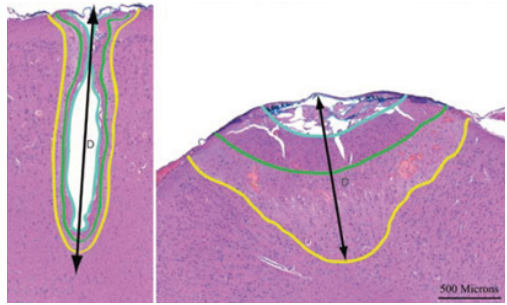
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ADVANCED SOLUTIONS FOR OTOLARYNGOLOGY

Thermal Injury From CO₂ Laser (left) Compared to Bipolar Cautery (right)

- **Desiccated zone:** region between blue and green lines
- **Thermal Injury:** area between blue and yellow lines
- **Edematous zone:** region between green and yellow lines
- **D** = total depth of tissue affect



CO₂ energy has been shown to cause significantly less thermal damage when compared to other advanced energy devices, providing safe, reliable energy for a wide variety of procedures.

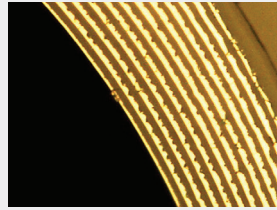
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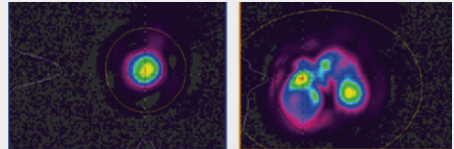
BASE OF TONGUE RESECTION



Not all CO₂ laser fibers are created equal



Proprietary mirrored layers transmit CO₂ energy



Multiple mirror layers ensure consistent, precise energy transmission (left) as compared to silica fibers (right)⁴

1. Ryan et al. "Application of a flexible co2 laser fiber for neurosurgery: laser-tissue interactions." *J Neurosurg* 112 (2010): 434-443.
2. Hanby et al. "Harmonic scalpel versus flexible CO2 laser for tongue resection: a histopathological analysis of thermal damage in human cadavers." *World Journal of Surgical Oncology* 9 (2011).
3. Karaman et al. "Comparison of fiber delivered CO2 laser and electrocautery in transoral robot assisted tongue base surgery." *European Archives of Oto-Rhino-Laryngology* 5 (2017): 2273-2279.
4. Data on file

For more information call 888-666-4484 or visit www.omni-guide.com

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