

Lasers in Surgery and Medicine

The official journal of the



Abstract #76

Supplement 17, March 2005

Split-Face/Neck Comparison of a Single Treatment of Radiofrequency versus a Single Treatment of Long-Pulse Nd:YAG for Skin Laxity of the Face and Neck

Mark B. Taylor, Gateway Aesthetic Institute and Laser Center Salt Lake City, Utah

Background and Objective

Radiofrequency energy (Thermage) and Long-Pulse Nd:YAG laser have both been promoted for skin tightening of lax facial and neck skin. No comparison between these two treatment modalities has been published. This study compares the clinical efficacy and safety of a single split-face/neck treatment.

Study Design Materials— Materials and Methods

Nine patients were treated with Radiofrequency energy on one side of the face and neck with three passes using recommended treatment parameters. The contra lateral side was treated with Long-pulse Nd:YAG (Candela) using a triple pass using a 10 mm spot size, 50 j/cm², 50 msec pulse duration, 40/20 msec Dynamic Cooling Device™ (DCD™) and three intersecting passes. Digital photographs were taken before and over a six month follow up period. Blinded observers judge the photographs for equal, mild, moderate or much better improvement.

Results

Equal to, or mild to moderately better results were seen in all patients with Long-pulse Nd:YAG vs Radiofrequency in treatment of skin laxity of the face and neck. Long-pulse Nd:YAG treatment also have fewer adverse effects and were judged to be less painful by the patients.

Conclusions

Long-pulse Nd:YAG laser treatment appears to be equal to or more effective, safer, and less painful than radiofrequency treatment of the contra lateral side.



Long-pulse Nd:YAG—three passes, 50 ms/50 J/cm², 10 mm spot, 40/20 DCD—six months post.





Long-pulse Nd:YAG—three passes, 50 ms/50 J/cm², 10 mm spot, 40/20 DCD—six months post.



Long-pulse Nd:YAG



Long-pulse Nd:YAG



Long-pulse Nd:YAG

Treatment parameters are subject to change—please consult your sales representative, clinical consultant or visit www.mycandela.com to obtain current information regarding the use of your Candela device.

GentleYAG is a registered trademark of Candela Corporation. Dynamic Cooling Device and DCD are trademarks. To find out more about Candela and its products, contact your authorized Candela representative or call toll-free worldwide (800) 821-2013. Dial USA country code if calling internationally. Printed in the USA. 05/05 0920-20-0050 Rev. 01

Candela Corporation
530 Boston Post Road
Wayland, MA 01778 USA
Phone: (508) 358-7637
Fax: (508) 358-5569
Toll Free: (800) 821-2013
www.candelalaser.com



CANDELA