

Ultrasonic and Histologic Findings Using a 1440nm Nd:YAG Laser for Neck Contouring and Skin Tightening

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Study Design:

- 12 female subjects
- Ages 46-63
- 1 laser treatment to the neck
- Follow ups at 1 week, 3 and 6 months post treatment
- Photographs, skin biopsies, ultrasound measurements and satisfaction surveys were taken before and after treatment

Results:

- Subjects averaged 31% increase in skin thickness
- Histologic findings demonstrated neocollagenesis and increased elastin in mid-to-deep dermis as well as lipolysis of fat lobules
- Both physician and subjects were satisfied or extremely satisfied with results
- Side effects were mild to none

Conclusion:

This study demonstrates objective collagen remodeling and increased elastin in the skin. This minimally invasive procedure provides an alternative to rhytidectomy in properly selected patients.

