

Efficacy of a 1440nm Nd:YAG Laser with a Targeted Energy Delivery System in the Treatment of Hyperhidrosis

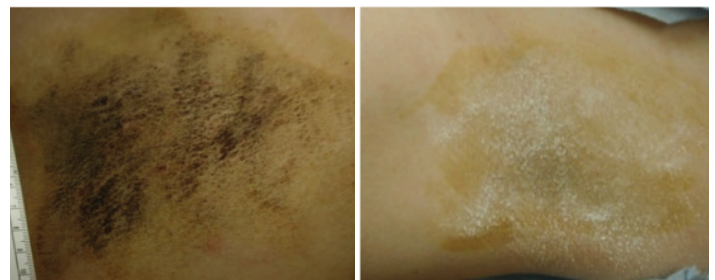
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Study Design:

- 20 subjects were treated
- 100-150cc's of tumescent anesthesia was injected into each 5cmx5cm area
- Subjects received 1 subdermal treatment to the axilla with the 1440nm with 800µ side-firing fiber
- Parameters used were 5-15 watts and 25Hz
- Total treatment time averaged 45 minutes
- 1200-1500 joules were delivered to each 5cmx5cm area
- The temperature sensing cannula was set to 45°C - 47°C
- Post treatment follow-up visits occurred at 3, 6 and 12 months



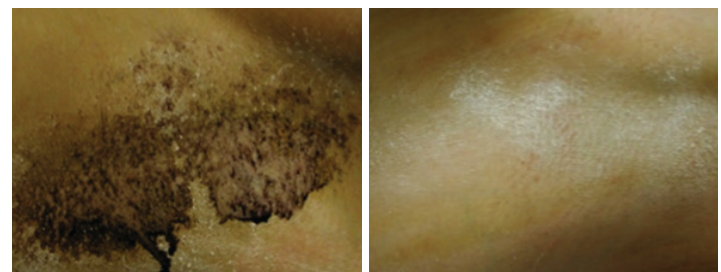
Pre-Treatment

6 Month Post Treatment

	Pre Treatment	3 Month	6 Month	12 Month
Responders	-	89.5%	100%	83%
HDSS avg Score	3.7	2.3	1.7	2.2
HDSS Improvement	-	1.4	2.0	1.5

Results:

- Treatment side effects included edema, bruising and numbness, all which resided within 1 week
- HDSS (Hyperhidrosis Disease Severity Scale) assessment scores as reported by the subject concluded that 89.5% of the group was responsive at 3 months, 100% at six months, and 83% at 1 year



Pre-Treatment

6 Month Post Treatment

Conclusion:

- The 1440nm wavelength laser treatment provides significant reduction in sweat with 1 treatment
- All subjects reported a reduction in sweat in as little as 1 week
- The average improvement seen was statistically significant from baseline
- Similar results could be seen up to 1 year post treatment

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