
Summary of 15 Month Clinical Results Using the CoolGlide™ Long-Pulse Nd:YAG Laser for Hair Removal

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This paper is a summary of the 15-month results of a study intended to determine the safety and efficacy of the CoolGlide long-pulse high-power Nd:YAG laser for the removal of unwanted hair in subjects with Fitzpatrick skin types I-V.

This laser system is being evaluated in a prospective, controlled, single-center clinical study in 25 subjects. All sites were shaved and treatments were performed using fluences of 50 J/cm² or 60 J/cm², and pulse widths of 15 ms or 30 ms. At the 3 month follow-up visit, half of the treatment sites received a repeat (second) treatment.

The study is being conducted at the Laser and Skin Surgery Center of Northern California. The principal investigator is Suzanne L. Kilmer, MD; and the co-investigators are Vera Chotzen, MD; Marla McClaren, MD; Jacqueline Calkin, MD; and Susan Silva, MD.

Efficacy Summary

The table below shows the combined results for all treatments performed at the maximum fluence for each pulse width (50J/cm² fluence at a pulse width of 15 ms, and 60 J/cm² fluence at a pulse width of 30 ms).

Safety Summary

All safety observations after the 1 day visit were rare and transient, having all cleared.

Further Details

Further study details are being prepared for journal submission.

Median hair count reduction through 15 months (compared to baseline)

	Month 3	Month 6	Month 9	Month 12	Month 15
1 Treatment (1 st Treatment performed at Month 0)	27%	27%	30%	39%	45%
N	68	34	33	34	36
2 Treatments (2 nd Treatment performed at Month 3)	---	50%	47%	52%	50%
N	---	32	31	35	37
Control Sites	6%	12%	15%	13%	15%
N	42	39	38	42	44