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# 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/cm<sup>2</sup> or 60 J/cm<sup>2</sup>, 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/cm<sup>2</sup> fluence at a pulse width of 15 ms, and 60 J/cm<sup>2</sup> 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
<b>1 Treatment</b> (1 <sup>st</sup> Treatment performed at Month 0)	<b>27%</b>	<b>27%</b>	<b>30%</b>	<b>39%</b>	<b>45%</b>
N	68	34	33	34	36
<b>2 Treatments</b> (2 <sup>nd</sup> Treatment performed at Month 3)	---	<b>50%</b>	<b>47%</b>	<b>52%</b>	<b>50%</b>
N	---	32	31	35	37
Control Sites	6%	12%	15%	13%	15%
N	42	39	38	42	44