

SILK'N INFINITY

Conclusions
clinical test

At-home hair removal



CLINICALLY PROVEN

The clinical trial* (2015) was conducted by Tennessee Clinical Research Center, Nashville, USA. It was also reviewed by an independent institutional review board (IRB) for ethical approval. This trial examined the use as well as the safety and effectiveness of Silk'n Infinity for hair removal on the armpits in skin types V (5) and VI (6).

In a previous study of home-use device Silk'n Glide, the sole use of low energy pulsed-light (HPL™) has already been proven to be effective for removal of unwanted hair on light skin; one month following 6 bi-weekly treatments, the average hair reduction percentage was 92.3%**.

However, permanent reduction of unwanted hair on darker skin types is the most challenging procedure among all hair removal technologies based on selective absorption of light or laser.

Thus, in addition to the light energy - which is transformed into heat by the hair shaft pigment to disable hair growth - the Silk'n Infinity device utilizes Galvanic energy via micro-current pulses that are emitted immediately before the light pulses. Galvanic current is widely used for cosmetic applications for a few decades as it is known to induce skin stimulation and toning as well as open the skin pores.

Fifteen women between the ages of 21 and 60 with skin types V and VI completed the trial. The subjects performed 6 self-use treatments, 2 weeks apart. Results were evaluated at 4 and 12 weeks (1 and 3 months, resp.), after the last treatment. Photography and hair counts were performed at baseline and at the 4 and 12 week follow-up evaluation visits.

THE EVOLUTION IN AT-HOME HAIR REMOVAL

Silk'n developed a light-based hair removal device that you can safely use in the privacy of your own home. The process of light-based hair removal has been proven in clinical use around the world as a safe and effective way to achieve hair removal for over 15 years.

But now, the unique dual-energy technology (Galvanic and Optical energy) employed in Silk'n Infinity makes it possible to remove hair on all skin colours and nearly all hair colours by widening the pores, enabling the light to penetrate deeper into the hair follicle.

This innovation leads to long-lasting smooth skin for women everywhere!



ENHANCED HPL™
TECHNOLOGY



HAIR
REDUCTION**



SKIN COLOUR
SENSOR



PULSE OR GLIDE
OPERATION METHOD

THE RESULTS

All patients showed a positive clinical response to treatment, with reduction of unwanted hair. Hair counts were significantly reduced by 57.3% 1 month following the last treatment and by 44.5% 3 months following the last treatment. No adverse events were recorded. Subject satisfaction scores of the device usability and the treatment outcome were high.

Graphic distribution of hair count and percent hair reduction at baseline and 2 follow-up sessions post 6 treatments

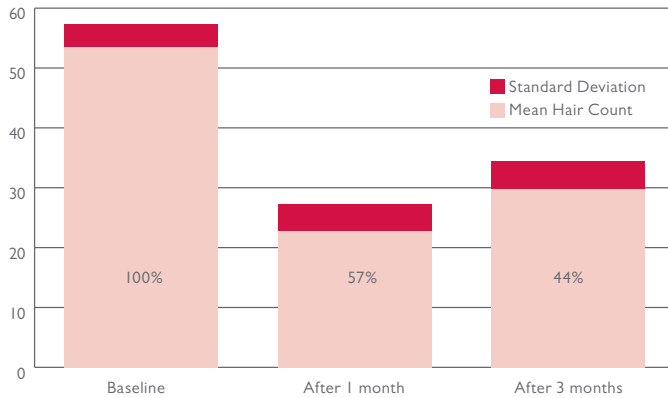


Fig. 1. The mean hair count per at baseline was 53.4 ± 3.9 . At the 1 month follow-up visit, the mean hair count significantly decreased to 22.8 (SD = 4.4), by 57.3% ($p < 0.001$). At the 3 month follow-up visit, the mean hair count was decreased to a lesser degree 29.7 (SD = 4.8) which was still significantly lower than baseline count in 44.5% ($p < 0.001$).

Photographic illustration



Fig. 2. Hair reduction in armpits of subject 1 comparing baseline (left), to 1 month post last treatment (center) and 3 months post last treatment (right).

Subject satisfaction scores

Subject ID	1 month follow up		3 month follow up	
	Usability	Outcome	Usability	Outcome
1	3	2	3	2
2	3	3	3	3
3	3	3	3	3
4	3	2	3	3
5	3	2	3	3
6	3	1	3	2
7	3	3	3	3
8	3	3	3	3
9	3	3	3	3
10	3	2	3	3
11	3	2	3	3
12	3	3	3	3
13	3	3	3	3
14	3	2	3	3
15	3	3	3	3
Mean	3.0	2.5	3.0	2.9

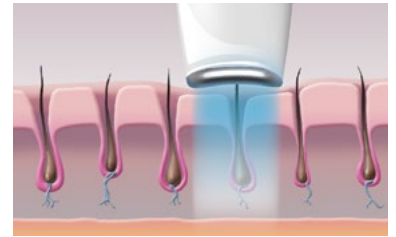
Fig. 3. 0: Not satisfied, 1: Slightly satisfied, 2: Satisfied, 3: Very satisfied

ENHANCED HPL™ TECHNOLOGY

eHPL™ technology combines Galvanic and Optical energy.

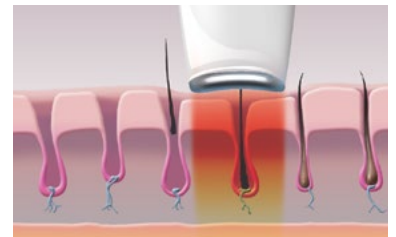
Galvanic energy:

Opens the skin pores and enables the Optical energy to penetrate deeper into the hair follicle.



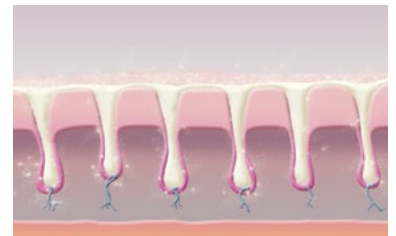
Optical energy:

The Optical energy is selectively absorbed in the hair shaft and ensures that permanent hair reduction is achieved in the quickest possible way.



After treatment:

Hair follicles are disabled after the complete treatment regimen. By opening the skin pores it also allows cosmetics to penetrate deeper for an even smoother skin.



FINAL CONCLUSIONS

Silk'n Infinity is a safe and effective device for at-home hair removal. The combination of low energy pulsed light and Galvanic energy makes this device suitable for women of all skin colours including the darker tones. Now, long-lasting smooth skin is attainable for all.

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Director Operations/Principal Investigator: Dr. Michael H. Gold

Clinic: Tennessee Clinical Research Center, Nashville, USA

Date: May 2013 to March 2014

- 15 female subjects aged 21-60 with skin types V and VI participated in the study seeking long-term hair removal solutions.
- Subjects met all inclusion/exclusion criteria and signed an Informed Consent Form.
- Subjects performed 6 self-use treatments on the armpits, 2 weeks apart. Energy levels used (out of 5 levels) were 1 - 3. Results were evaluated at 4 and 12 weeks (1 and 3 months, resp.), after the last treatment. The duration of the entire study for each subject was up to 7 months.
- Subjects complied with the study procedure and schedule, including the follow up visits, and protected the treated areas from sun exposure and tanning during the entire study period.

* The study was commissioned by Home Skinovations Ltd.:

Gold, M.H., Goren, H. (2015) The Effect of Novel Low Energy Pulsed Light Combined with Galvanic Energy for Home-Use Hair Removal of Dark Skin. *Journal of Cosmetics, Dermatological Sciences and Applications*, 5 (4): 283-290.

** Gold, M.H., Biron, J.A., and Thompson, B. (2015) Clinical Evaluation of a Novel Intense Pulsed Light Source for Facial Skin Hair Removal for Home Use. *The Journal of Clinical and Aesthetic Dermatology*, 8 (7): 30-35.

Silk'n[®]
Beautiful Technology