

— THE ORIGINAL —  
**LASERCAP**®

**Prescription-Strength Laser Therapy  
For Hair Regrowth**

# REGENERATE. REGROW. RESTORE.

Restore your patients' natural hair with the regenerative power of light.



# LASER THERAPY FOR HAIR REGROWTH

## AN EVIDENCED-BASED AND VERSATILE TREATMENT

---

Why should you utilize Low-Level-Laser Therapy (LLLT) in your practice? Is it efficacious? What kind of patient should use it? These are important questions for hair restoration specialists to ask.

LLLT is an **evidence-based treatment** for androgenetic alopecia. Numerous randomized, placebo controlled clinical trials have demonstrated significant increases in hair-density following application of LLLT.<sup>1-4</sup> There is even evidence to suggest LLLT is as effective, if not more effective, than other mainstay medical management therapies for hair regrowth.<sup>5</sup>

---

## WHAT ARE SOME OF THE OTHER KEY ADVANTAGES OF LLLT?

### Excellent safety profile

All natural, non-surgical, non-pharmacologic therapy, not associated with any serious adverse side effects.

### Easy to use

No messy creams or lotions required. Patients can use LLLT at their convenience in the comfort of their own home.

### Versatility

Effective in both men and women, both as a standalone therapy, and in combination with all other treatments for hair regrowth.

## UTILIZE LLLT STANDALONE OR WITH COMBINATION THERAPY:

### Before & After Transplant Surgery

Maintain native hair, improve graft survival, shorten recovery time post-surgery.

### With PRP and Other Regenerative Treatments

Improve and maintain results long-term post-treatment.

### With Pharmacology

Combine with minoxidil, finasteride, and other medications for increased treatment potency.

# WHAT IS LASERCAP?

---

The LaserCap is the **original** LLLT cap for hair regrowth. A light and flexible device that can be worn under the patient's favorite hat, the LaserCap contains true laser diodes, which illuminate the scalp with 650 nm red light. The LaserCap is **FDA-cleared** to promote hair regrowth in both men and women with androgenetic alopecia.

## EFFECTIVE

Prescription-strength laser therapy, FDA cleared for hair regrowth in men and women.

## SAFE

Natural, drug-free, and not associated with any serious adverse side effects.

## CONVENIENT

Use LaserCap less than 2 hours per week at home or on the go.



## INDICATIONS FOR USE

LaserCap is a 510k FDA-cleared, home-use therapeutic device indicated to promote hair growth in men and women with Androgenetic Alopecia, Fitzpatrick Skin Phototypes I to IV, Ludwig-Savin classifications of I-II in women, and Hamilton-Norwood classifications of IIa-V in men.

## CONTRAINDICATIONS FOR USE

Do not use LaserCap if you have been diagnosed with skin cancer of the scalp, head, or neck.



# A LASERCAP FOR EVERY PATIENT

## LASERCAP SD



- 1.15 J/cm<sup>2</sup> Energy Dose
- Standard Coverage Area
- 80 Laser Diodes

### Best for

- Mild, early-stage hair loss
- Hair loss on vertex/crown



## LASERCAP HD



- 3.23 J/cm<sup>2</sup> Energy Dose
- Standard Coverage Area
- 224 Laser Diodes

### Best for

- Moderate, more advanced hair loss
- Hair loss on vertex/crown



## LASERCAP HD+



- 3.93 J/cm<sup>2</sup> Energy Dose
- Large Coverage Area
- 304 Laser Diodes

### Best for

- Moderate, more advanced hair loss
- Hair loss on vertex/crown, hairline, or diffuse



# PULSED WAVE LIGHT EMISSION FOR PRESCRIPTION STRENGTH

---

The LaserCap is uniquely engineered to deliver light with pulsed wave emission. This involves switching its lasers on and off many times per second during treatment, causing them to blink, rather than remain on continuously. Studies have demonstrated that pulsing can improve LLLT outcome for patients.<sup>10</sup>

Pulsing more effectively manages heat, allowing the laser diodes to cool during the fraction of a second they are switched off. As a result, several device and treatment parameters can be optimized without excess heat generation, which may otherwise cause damage to the device, and discomfort for your patients:

- **Higher energy dose per treatment (figure 1)** - Pulsing allows for LLLT treatments at higher intensities and for longer durations.<sup>10</sup> Since LaserCap is both one of the most powerful LLLT devices for hair regrowth on the market, and uses pulsed output, it delivers a higher dose of light energy per treatment than comparable devices, which use continuous output. Most of these devices in fact deliver a dose of energy well below what best evidence suggests to be optimal.<sup>6,9</sup>
- **Higher peak intensity (figure 2)** - Peak intensity, the maximum amount of energy output per unit area over any given time period, determines how deeply photons can penetrate into tissues. Pulsing allows for much higher peak intensity without excess heat generation because this energy can be delivered over a very short period of time. This is particularly important when applying LLLT for hair regrowth, since photons must penetrate through the surface layer of the skin to reach the base of the follicle.
- **More consistent output (figure 3)** - Heat exposure can cause the power output of laser diodes to drop dramatically, resulting in an inconsistent and unpredictable dose delivered to the patient. Even small, barely perceptible amounts of excess heat can cause this. From internal testing we found that the power output of continuous devices can decline by more than 30% even over a 6 minute treatment protocol.<sup>11</sup> By comparison, decrease in the power output of the LaserCap was negligible over a much longer 30 minute period.
- **Improved device durability and longevity** - Since pulsing gives LLLT devices some time to cool off and rest, they are not as stressed during a treatment and over the long term, resulting in fewer device failures, and a greater device lifespan. This is important because LLLT treatments for hair regrowth must be applied long term to maintain results. The durability of the LaserCap is unmatched due to pulsing, in addition to our excellent quality control. In fact we have patients who have been using the same LaserCap device for over 10 Years!

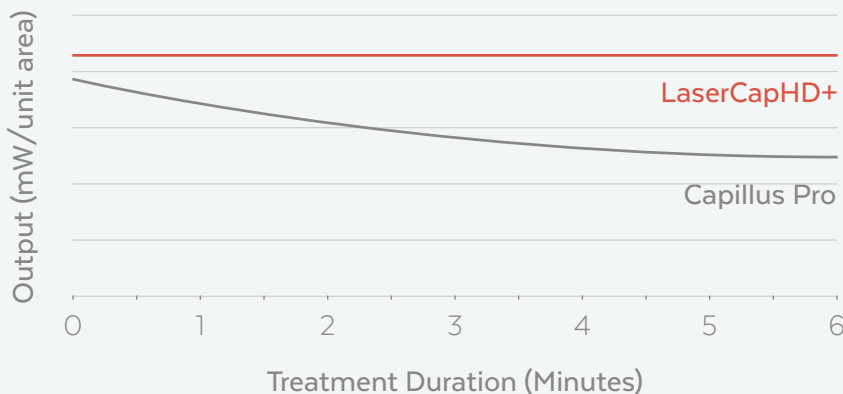
# DOSE OF ENERGY PER TREATMENT



**Figure 1: Higher energy dose per treatment:** Pulse wave emission means LaserCap delivers a higher energy dose per treatment than comparable devices with continuous output, even if these devices are equivalent in total power output. Reported energy doses are calculated from device parameters, and the treatment protocol recommended by the manufacturer.



**Figure 2: Higher peak intensity:** Short, repetitive light pulses, illustrated in (A), allow for higher peak intensity output without excess generation of heat. As shown in (B), this allows LaserCap to deliver light at a much higher peak intensity compared to continuous output devices with similar power capabilities. As a result, photons can penetrate more deeply into tissues, delivering more energy to the base of the hair follicle.



**Figure 3: More consistent output -** Devices that do not use pulsed wave emission risk dramatic declines in laser diode output due to build up of heat. As an example of this effect, the Capillus Pro loses over 30% power over a short 6 minute treatment.<sup>11</sup> By comparison the LaserCap maintains the same output over this period due to its pulse wave emission.

LaserCap is uniquely designed to maximize patient compliance and treatment consistency:

### Prescription-strength

Higher-strength energy delivery for maximum efficacy.

### Hands-free

Patients can rest and relax during treatments instead of combing through their hair or otherwise moving the device around.

### Discreet

Not a big, bulky helmet, but instead can be worn discreetly under your patient's favorite hat.

### Full coverage

The entire affected area of the scalp is illuminated at the same time, to improve consistency of treatments.

### Portable

Powered by a rechargeable battery pack, patients can use it both at home or on the go.

LaserCap	Theradome	iRestore
<input checked="" type="checkbox"/> Prescription-Strength	<input type="checkbox"/> Prescription-Strength	<input type="checkbox"/> Prescription-Strength
<input checked="" type="checkbox"/> Full Coverage	<input checked="" type="checkbox"/> Full Coverage	<input checked="" type="checkbox"/> Full Coverage
<input checked="" type="checkbox"/> Hands-Free	<input checked="" type="checkbox"/> Hands-Free	<input checked="" type="checkbox"/> Hands-Free
<input checked="" type="checkbox"/> Portable	<input checked="" type="checkbox"/> Portable	<input checked="" type="checkbox"/> Portable
<input checked="" type="checkbox"/> Discreet	<input type="checkbox"/> Discreet	<input type="checkbox"/> Discreet
iGrow	Laserband	Lasercomb
<input type="checkbox"/> Prescription-Strength	<input type="checkbox"/> Prescription-Strength	<input type="checkbox"/> Prescription-Strength
<input checked="" type="checkbox"/> Full Coverage	<input type="checkbox"/> Full Coverage	<input type="checkbox"/> Full Coverage
<input checked="" type="checkbox"/> Hands-Free	<input type="checkbox"/> Hands-Free	<input type="checkbox"/> Hands-Free
<input type="checkbox"/> Portable	<input checked="" type="checkbox"/> Portable	<input checked="" type="checkbox"/> Portable
<input type="checkbox"/> Discreet	<input type="checkbox"/> Discreet	<input type="checkbox"/> Discreet



# A LIFETIME VALUE FOR YOUR PATIENTS

## THE LASERCAP IS BUILT TO LAST.

Did you know we have patients who have used the same LaserCap for over 10 years?

LaserCap Company is so confident in the quality of our products, we are proud to offer a best-in-industry lifetime warranty policy and one-year satisfaction guarantee. With our world-class customer service, your patients can be assured a lifetime of therapy to regrow and restore their natural hair.

LaserCap	LIFETIME Warranty	1 Year Guarantee
Capillus	1-3 Year Warranty	1 Year Guarantee
Theradome	1 Year Warranty	6 Mos. Guarantee
iRestore	1 Year Warranty	1 Year Guarantee
iGrow	1 Year Warranty	6 Mos. Guarantee
Hairmax	2 Years Warranty	6 Mos. Guarantee



The LaserCap Lifetime Warranty Policy covers defects in materials or workmanship. If a LaserCap is determined to be defective within 3 years from date of purchase, LaserCap company will repair or replace for a like model at no charge. After 3 years from date of purchase a nominal replacement fee will be charged. The one year satisfaction guarantee allows LaserCap to be returned within 1 year from date of purchase minus a 25% return fee and along with shipping charges, credit card fees, taxes, and any additional fees incurred by LaserCap Company or their authorized distributors.

# REAL PEOPLE. REAL RESULTS.

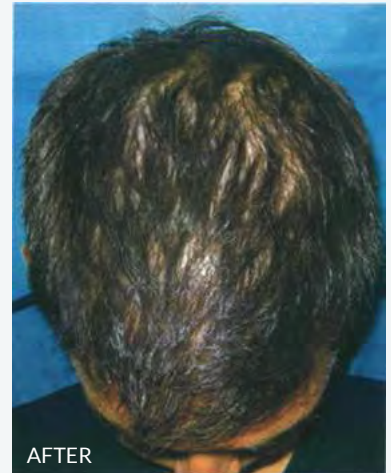
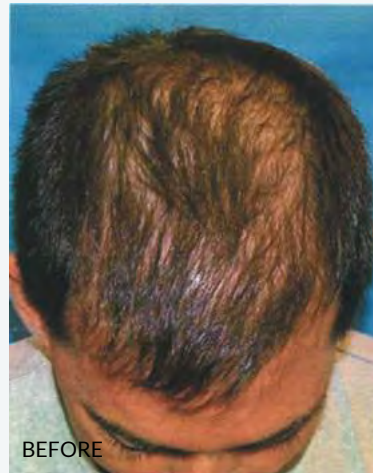
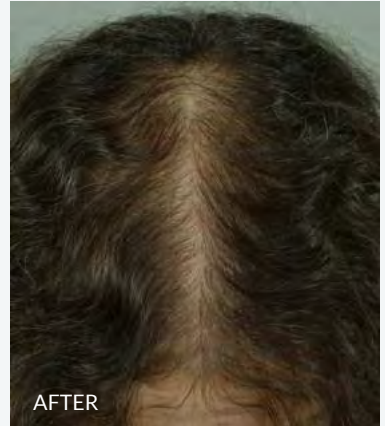
LaserCap has helped thousands of patients regrow and restore their natural hair. The following photos show just a few examples of the results that can be obtained using LaserCap.

These are all **real** LaserCap patients, not models, from case studies conducted by LaserCap physicians.

All follow-up photos were taken after 4-6 months of treatment with LaserCap only.







# THE LASERCAP COMPANY DIFFERENCE

---

We focus on distribution of our products through licensed healthcare providers like YOU!

In this way we are better able to focus on quality and efficacy rather than the demands of the consumer mass-market. We also believe this is important, as professional oversight will inherently improve patient outcomes.

We believe in products predicated on strong science and engineering.

Patients over profits. Unfortunately many medical device companies today focus their time and energy on marketing rather than substance. By comparison, we strive to achieve success by providing effective and long-lasting products that will improve peoples' lives.

We reinvest into innovation to improve treatments for alopecia and more.

We do this because we believe the immense potential of LLLT and many other regenerative modalities have not yet been realized. We also do this because we believe that industry has the ability and obligation to improve the standard of care in all of medicine.

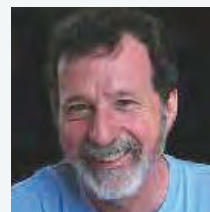
## LASERCAP COMPANY'S WORLD CLASS LEADERSHIP



### MEDICINE

Robert Haber, M.D.  
Medical Director

Dermatologist and internationally renowned hair restoration physician, ISHRS past president and Golden Follicle Award recipient.



### ENGINEERING

Dave Smith, Ph.D.  
Co-Founder and CTO

MIT-trained optical physicist and electrical engineer.



### SCIENCE

Michael Hamblin, Ph.D.  
Chief Phototherapy Advisor

Professor of Dermatology at Harvard Medical School and Principal Investigator at the Wellman Center for Photomedicine at Massachusetts General Hospital.



### MANAGEMENT

Michael Rabin, M.D., M.B.A.  
Inventor, Founder, CEO

# REFERENCES

---

1. Liu K-H, Liu D, Chen Y-T, Chin S-Y. Comparative effectiveness of low-level laser therapy for adult androgenic alopecia: a system review and meta-analysis of randomized controlled trials. *Lasers Med Sci.* 2019;34(6):1063-1069.
2. Afifi L, Maranda EL, Zarei M, et al. Low-level laser therapy as a treatment for androgenetic alopecia. *Lasers Surg Med.* 2017;49(1):27-39.
3. Darwin E, Heyes A, Hirt PA, Wikramanayake TC, Jimenez JJ. Low-level laser therapy for the treatment of androgenic alopecia: a review. *Lasers Med Sci.* 2018;33(2):425-434.
4. Zarei M, Wikramanayake TC, Falto-Aizpurua L, Schachner LA, Jimenez JJ. Low level laser therapy and hair regrowth: an evidence-based review. *Lasers Med Sci.* 2016;31(2):363-371.
5. Gupta AK, Mays RR, Dotzert MS, Versteeg SG, Shear NH, Piguet V. Efficacy of non-surgical treatments for androgenetic alopecia: a systematic review and network meta-analysis. *J Eur Acad Dermatol Venereol.* 2018;32(12):2112-2125.
6. Hamblin MR. Photobiomodulation for the management of alopecia: mechanisms of action, patient selection and perspectives. *Clin Cosmet Investig Dermatol.* 2019;12:669-678.
7. Faghihi G, Mozafarpour S, Asilian A, et al. The effectiveness of adding low-level light therapy to minoxidil 5% solution in the treatment of patients with androgenetic alopecia. *Indian J Dermatol Venereol Leprol.* 2018;84(5):547-553.
8. Santos Z, Avci P, Hamblin MR. Drug discovery for alopecia: gone today, hair tomorrow. *Expert Opin Drug Discov.* 2015;10(3):269-292.
9. Joo HJ, Jeong KH, Kim JE, Kang H. Various Wavelengths of Light-Emitting Diode Light Regulate the Proliferation of Human Dermal Papilla Cells and Hair Follicles via Wnt/beta-Catenin and the Extracellular Signal-Regulated Kinase Pathways. *Ann Dermatol.* 2017;29(6):747-754.
10. Hashmi JT, Huang Y-Y, Sharma SK, et al. Effect of pulsing in low-level light therapy. *Lasers Surg Med.* 2010;42(6):450-466.
11. Internal data on file





— THE ORIGINAL —  
LASERCAP®