

Regenerate. Regrow. Restore.

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



WHY LIGHT?

EFFECTIVE

Numerous randomized controlled trials have demonstrated significant hair growth following Low-Level-Light Therapy (LLLT). ¹⁻⁴ In fact, one systematic review of clinical trials found evidence that LLLT was more effective in promoting hair growth than all other prominent medical treatments for alopecia.⁵

VERSATILE

LLLT has been shown to be effective not only on its own, but also in combination with all other evidence-based treatments for alopecia. ^{4,6,7} LLLT has furthermore been demonstrated to be equally effective in both men and women. ^{1-3,8}

SAFE

LLLT has an excellent safety profile, and is not associated with any serious adverse side effects unlike many other treatments for hair loss. ^{4,5,8} This has been demonstrated time and time again in clinical trials studying LLLT for hair regrowth and in many other applications.



Robert S. Haber MD, Medical Director of LaserCap Company, is a board certified dermatologist, pediatrician, and professor at Case Western Reserve University School of Medicine. Dr. Haber is also a world-authority in the field of hair restoration, former president of the International Society of Hair Restoration Surgery (ISHRS), and recipient of the prestigious ISHRS golden follicle award. He has authored numerous textbook chapters and peer-reviewed articles on hair restoration and hair transplant surgery.



Michael R. Hamblin PhD, Chief Science
Advisor of LaserCap Company, is a principal
investigator at the Wellman Center for
Photomedicine at Massachusetts General
Hospital, and Professor of Dermatology at
Harvard School of Medicine. Dr. Hamblin is
perhaps the foremost expert in the world on
Low-Level-Light Therapy. He has published over
300 peer-reviewed articles, in addition to over
150 conference proceedings, and textbook
chapters.

So why isn't every hair loss sufferer using LLLT?

UNREALISTIC EXPECTATIONS

In cases of advanced alopecia, hair transplant surgery is necessary if the patient wants to maintain a full head of natural hair. Proper patient selection and monitoring is therefore imperative with LLLT, a primary reason why LaserCap is by prescription only.

INCONVENIENT TREATMENT MODALITIES

Many LLLT devices require the patient to either come into the doctor's office, plug their device into the wall, or physically comb through their hair for several minutes every day. As a result of these inconveniences, patients are less compliant with their treatment.

UNDER-PERFORMING LLLT DEVICES

Most LLLT devices for hair regrowth are only capable of delivery energy at a low and inconsistent level, resulting in suboptimal treatments according to best available evidence.^{6,9,10} Patients suffer in the end, paying large sums of money for a product that provides them little benefit.

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 androgenic alopecia.



INDICATIONS FOR USE

The LaserCap is a 510k FDA-cleared, prescription-only, home use therapeutic device indicated to promote hair growth in men and women with Androgenic 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

Patients should not use LaserCap if they have been diagnosed with skin cancer of the scalp, head, or neck, or if they are allergic to 650 nm light.

A LASERCAP FOR EVERY PATIENT

The LaserCap SD provides prescription-strength LLLT at a value for your patients.

The LaserCap HD, for high dose, is our mid-range model well suited for most patients.

The LaserCap HD+ is our premium model, suited for patients with larger heads or diffuse thinning.

The LaserCap SD

The LaserCap HD

The LaserCap HD+



All LaserCap models deliver 650 nm light from 5 MW laser diodes.

PULSED WAVE LIGHT EMISSON FOR PRESCRIPTION STRENGTH

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

This is because 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 the patient:

- **Higher energy dose per treatment** (see figure 1) Pulsing allows for LLLT treatments at higher intensities and for longer durations. Since LaserCap is both one of the most powerful LLLT devices for hair regrowth on the market, and uses pulsed output, it delivers a much 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. 6,9
- Higher peak intensity (see 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. ¹⁰ 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 (see 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.¹¹ 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 continuously 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

 (J/cm^2)

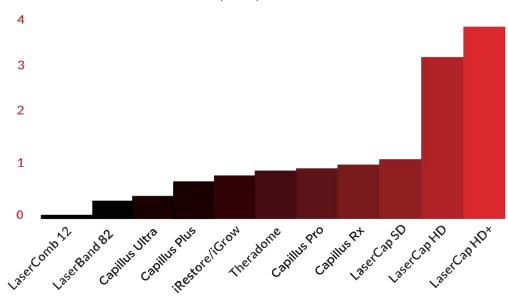


Figure 1: Higher energy dose per treatment - Pulse wave emission means LaserCap delivers a higher energy dose per treatment than comparable devices with continuous output, even if these devices are equivalent in total power output. Energy doses are calculated from device parameters, and the treatment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

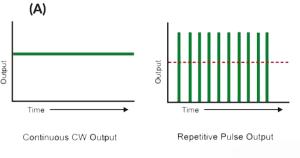
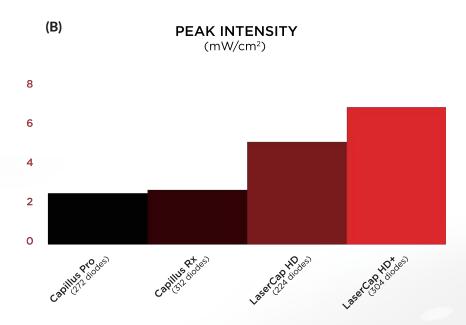


Figure 2: Higher peak intensity - Short, repetitive light pulses, illustrated in (A), allow for higher peak intensity output without excess generation of heat. As shown in (B), this allows LaserCap to deliver light at a much higher peak intensity compared to continuous output devices with similar power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



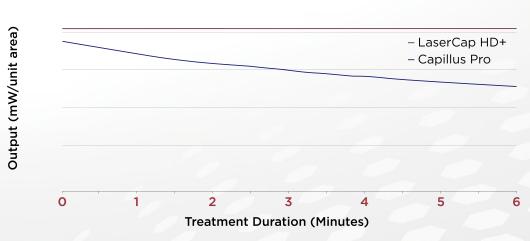


Figure 3: More consistent output - Devices that do not use pulsed wave emission risk dramatic declines in laser diode output due to build up of heat. As an example of this effect, the Capillus Pro loses over 30% power over a short 6 minute treatment. By comparison the LaserCap maintains the same output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

In addition to **prescription-strength pulsed output**, LaserCap is uniquely designed to maximize **patient compliance** and **treatment consistency**:

PRESCRIPTION-ONLY

Providers have more opportunity to personalize and monitor their patients' treatment regimen.

FULL COVERAGE

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

HANDS-FREE

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

PORTABLE

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

DISCREET

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

LASERCAP IRESTORE THERADOME **✓** Prescription-Only X Prescription-Only X Prescription-Only **✓** Full Coverage **✓** Full Coverage ✓ Full Coverage ✓ Hands-Free ✓ Hands-Free **✓** Hands-Free **✓** Portable ✓ Portable Portable Discreet Discreet X Discreet

LASERBAND **iGROW LASERCOMB** X Prescription-Only Prescription-Only Prescription-Only ✓ Full Coverage ★ Full Coverage **X** Full Coverage ✓ Hands-Free X Hands-Free X Hands-Free **✓** Portable X Portable **✓** Portable X Discreet X Discreet X Discreet

A LIFETIME OF VALUE

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.



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 physician partners.

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.































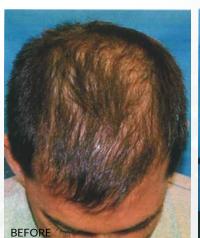














THE LASERCAP COMPANY DIFFERENCE

We focus on distribution of our products through licensed healthcare providers.

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 any 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.



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.



ENGINEERING

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

M.I.T.-trained optical physicist and electrical engineer.



MANAGEMENT

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

Inventor of The LaserCap and founder of LaserCap Company

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