

## Wellay @ home Personal Hair Laser

### Questions & Answers

#### **1.: If my hair follicles are dead, will the hair laser work to re-grow my hair?**

There's a lot of snake oil out there in terms of hair re-growth products so I have to say this upfront. The Wellay Hair Growth Laser was never designed to re-grow lost hair from a dead follicle. Nothing will do that and anyone who tells you otherwise has an overactive imagination. But, if your hair is falling out, the Hair Laser can boost the active follicle into getting on with the job of sprouting hair a little more efficiently.

#### **2.: Would I be able to use other hair growth products, such as Minoxidil, Propecia, with Wellay Hair Laser?**

Yes. You can continue to use any medication you are taking for hair loss, any hair lotion or other treatments while using the Wellay @home Hair Laser, if you wish. Continue using the Hair Laser as directed to treat your hair loss, even after your hair has started to grow again as it will continue to improve over time, giving you thicker and healthier hair.

#### **3.: I have alopecia. Will the hair laser help my hair grow back?**

Yes. Alopecia is the general scientific term for hair loss. So you will definitely benefit from using the hair laser, depending on how much your hair loss has progressed. The more hair you have left, the better it will work for you. If you have lost too much hair then your hair follicles may be dead and it is too late.

#### **4.: I have had laser treatment before from a clinic where they used the large laser over the entire head. Would I be getting the same results from this Hair Laser?**

The Wellay @home Hair Laser uses 21 low power multi-wavelength lasers for maximum effect which penetrate deeply into the scalp to activate blood circulation around your hair follicles, helping to halt hair loss and stimulating new hair growth. Regular treatment will slow down or stop the progress of hair loss; increase blood supply to the scalp; stimulate hair follicles to help re-growth; repair and improve the quality of the hair shaft for greater volume; give noticeable hair growth in as little as 12 weeks with continued use.

In order to see the full hair restoration benefits of the Wellay @home Hair Laser it is important that you use it regularly on the areas where you are suffering hair loss, preferably for at least 10 minutes twice a day. It is so easy to use whenever and wherever you have a few minutes to spare. You just charge it up like your mobile, switch on the lasers and move it slowly over your scalp for 10 minutes (longer, if you wish), whenever you have time.

Continue using the Hair Laser as directed to treat your hair loss, even after your hair has started to grow again as it will continue to improve over time, giving you thicker and healthier hair.

#### **5.: I had plastic surgery (breast augmentation, liposuction, botox and lip enhancement) but it was years ago. Can I use the hair laser?**

Yes. The Wellay @home hair laser will not have any adverse effects. It's quite safe for you to use.

The only safety consideration (and it is the same with any laser) is that you need to be careful not to look directly at the laser light or directly put the laser on your eyes or eyelids.

Low Level Laser Therapy, which is the technology used in the hair laser, can be widely used for various kinds of skin troubles and for hastening recovery of open wounds, burns etc, without any side effects. It naturally promotes blood circulation in the capillary vessels of your skin and the cell activity, hence actually enhances recovery process after injury.

*You can find more detailed information on Low Level Laser Light Therapy at [www.laser.nu](http://www.laser.nu)*

#### **6.: I have had jaw surgery and my jaw is wired with metal. Is it safe to use a Hair Laser?**

Yes. It is perfectly safe to use a Wellay @home Hair Laser unless it is used directly on the eyes or eyelids, otherwise there are no side-effects.

**7.: Does the Wellaay @home hair laser work for Afro-Caribbean hair?**

Yes. The Wellaay @home hair laser will treat hair loss for any colour skin and any colour hair - skin and hair colour and hair texture are not relevant to its effectiveness. The Hair Laser uses 21 low power multi-wavelength lasers for maximum effect which penetrate deeply into the scalp, regardless of skin colour, to activate blood circulation around your hair follicles, halting hair loss and stimulating new hair growth.

**8.: Is it OK to use a hair laser to combat hair loss while taking supplements for body building?**

No. The supplements you are taking probably increase the production of male hormones, which would have a causative effect on your hair loss. It would therefore be a waste of time and money buying and using a hair laser when the supplements will counteract any beneficial effects of the hair laser. We recommend that you stop taking the supplements before purchasing a hair laser.

**9.: How do I choose the best and most effective hair loss treatment laser? Which wavelengths are able to penetrate the skin and so be effective?**

The Wellaay @home Hair Laser was developed jointly, through clinical research and testing, with the most renowned medical laser research centre in Korea; the Medical Laser and Device Research Center of Dankook University, which is a leading contributor to the development of high-tech medical equipment, focusing on research in advanced laser treatments for clinical applications. The Wellaay @home Hair Laser, using 21 lasers at 670 nm, 780 nm and 830 nm, is patented as the World's first multi-wavelength therapeutic laser for treatment of hair loss.

Each different wavelength used in the Wellaay @home Hair Laser has a different treatment and penetration depth into the scalp. The blood capillaries in direct contact with the dermal papilla lie in the hypodermis (the deepest inner layer among 3 layers of skin (scalp) tissue.

The 670nm wavelength laser light mainly treats the surface of the scalp and does not penetrate deeply into the scalp so the 670 nm wavelength alone is not enough for effective hair loss treatment.

Longer wavelength (780 nm, 830 nm) lasers are able to penetrate more deeply into the skin tissue. However, substances within the skin tissue such as melanin, water and hemoglobin all absorb and weaken the laser light.

Light at 830 nm wavelength is the least absorbed by those substances, which means it retains more of its beneficial power to energise the hair follicles because more of the light energy is absorbed into the blood cells to increase circulation and the delivery of more nutrients and oxygen to the follicles.

In the cosmetic and therapeutic laser device market, each treatment laser uses different wavelengths. 650 nm/670 nm are visible (red) light, while 780nm and 830nm are infrared light with more power and stronger penetrating ability and effectiveness.

Lasers around the 650 nm wavelength are the most commonly used in cosmetic and therapeutic lasers because the light is a clear, bright red which is visible to the eye so it looks as if it really works for treatment and in fact, it actually does have a therapeutic effect. Also, the 650 nm wavelength is the most widely used in the cosmetic laser market and is cheaper to use than longer wavelength lasers.

However, the more expensive infrared lasers which use 780 nm and 830 nm wavelengths are able to penetrate and stimulate deeper into the skin tissue and so are more effective in treatment although they are rarely used by other manufacturers of cosmetic and therapeutic lasers.

The Wellaay @home Hair Laser uses one 670nm, one 780nm and one 830nm laser in each of its 7 laser clusters and is the only hair treatment laser on the market which offers this technology. The 3 different wavelengths irradiate the same area of the scalp simultaneously, each working at different layers and thus maximising the benefit and proving a more effective treatment.

There are many scientific studies for each laser wavelength that show how effective it is in therapeutic treatment - you can read more here about the different effects of each wavelength.

Source: <http://www.laser.nu/llt/Faq1.htm>

### 10.: Is the Wella Hair Laser capable of re-growing hair despite the presence of dihydrotestosterone (DHT)?

Both men and women tend to lose hair due to hormonal changes in the body. It is mainly the alterations in the metabolism of androgen in the body that brings about hair loss. Androgen is the male hormone that plays a very important role in both hair loss and hair growth. This metabolism of androgen gets involved with an enzyme, the 5 alpha reductase which tends to combine with the male hormone, testosterone to give DHT (Dihydrotestosterone). This DHT is the natural metabolite of the human body that is the main reason for hair loss.

The most important structure of a hair follicle is the dermal papilla, which is responsible for hair growth. The cell of this dermal papilla divides and differentiates to form a new hair follicle. As this dermal papilla lies in direct contact with blood capillaries of the skin, it is responsible for deriving nutrients for hair follicle growth. This dermal papilla has many receptors for androgens; where men have more androgenic receptors here than women.

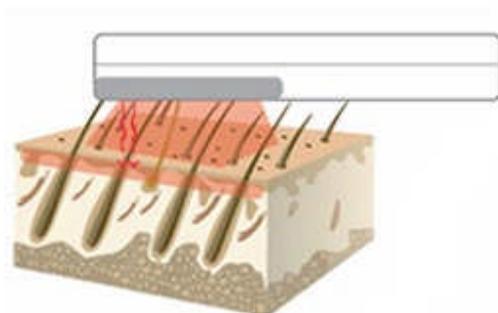
It is very important for a person to have proper nutrition to maintain hair. So when DHT reaches the hair follicles and dermal papilla, it tends to prevent proteins, vitamins and minerals from providing the needed nourishment to sustain life in the hair of these follicles. With this, the hair follicles tend to reproduce at a slower rate and this in turn either shortens the growing phase of the hair follicles or lengthens its resting stage.

Source: <http://www.medicalnewstoday.com/articles/68082.php>

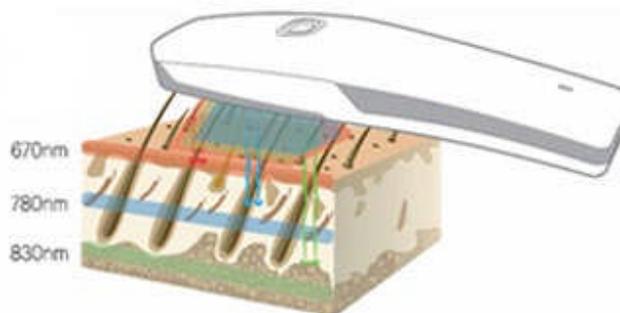
While DHT is the primary contributing factor in male pattern baldness and one of several possible causes for female hair loss, the US FDA has officially approved LLLT, (Low Level Laser Therapy) for its effectiveness in treating hair loss.

As you know, hair loss is caused by many different factors, however, the fundamental cause of hair loss is that the follicles are not getting enough nutrients, minerals, vitamins, etc to sustain and grow hairs. It is vital to boost nourishment to the dermal papilla, the most important structure of a hair follicle, which is responsible for hair growth.

Despite the presence of DHT, the Wella hair laser helps to promote blood flow in the capillary vessels and thus supply nutrients, oxygen, etc to the follicles more effectively, counteracting the effect of DHT blocking the nutrients from getting into follicles.



Another Product : Single wavelength



Wella Hair Laser : Multi wavelength

