

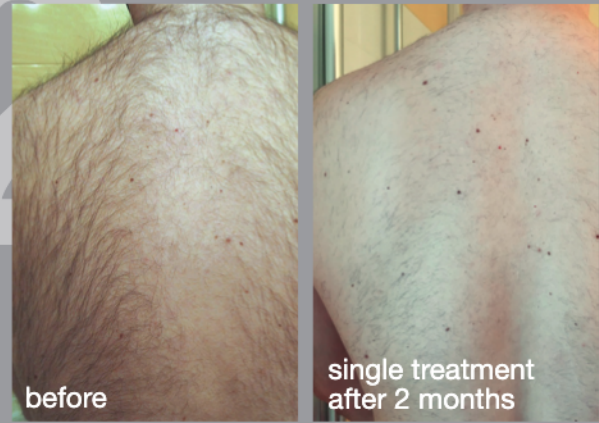


# The Medical Power of Light

## FRAC3<sup>®</sup> Hair Removal

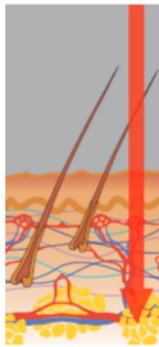
- permanent hair reduction
- gentle, fast and convenient
- long-lasting results
- suitable for all skin types
- no ingrown hair, irritated or infected skin
- suitable for larger and smaller areas

**Fotona**  
choose perfection



## What is FRAC3® hair removal?

The 1064 nm Nd:YAG FRAC3® method is optimized to deliver high intensity laser pulses in extremely short times of less than 2 ms, sufficiently short to destroy most hair types while avoiding unnecessary damage to the epidermis. Due to the relatively low absorption in melanin, Nd:YAG laser treatments can be used safely and effectively even with darker skin types.



*The Nd:YAG laser source has the depth of penetration necessary to reach and destroy even the deepest hair follicles and can successfully be used on all body areas.*

## How does FRAC3® hair removal work?

Fotona's Nd:YAG laser energy is absorbed selectively by the hair bulb and hair matrix, thus destroying the hair follicle. The FRAC3® pulse produces a three-dimensional fractional pattern within the epidermis and dermis, with energy being absorbed predominantly at the sites of small skin imperfections before heat is transferred to the surrounding non-target structures.

Laser parameters can be adjusted quickly and easily according to your patient's skin type, hair thickness, hair color as well as depth of hair follicles. Nd:YAG FRAC3® pulses should be administered with a slight overlap covering the entire treatment surface. Apply cooling to maximize comfort during the treatment.

Special post-treatment care is not required. Follicles treated in the anagen phase should fall out in approximately 2-3 weeks. Observe if new growth is present and repeat the treatment if needed. The treatment schedule will depend on each individual's hair growth cycle.



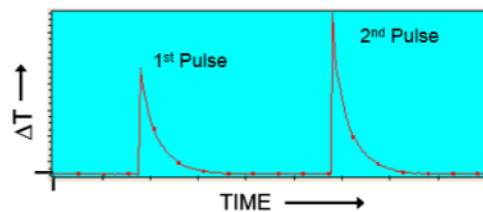
## Avalanche FRAC3® procedure for maximum comfort and safety

One of the challenges when performing laser hair removal is the relatively low absorption of laser light in the treated hair, especially when the hair is blond and/or the skin is dark.

Using the Avalanche FRAC3® procedure, low energy FRAC3® laser pulses are delivered to the same skin area several times during the same session, causing a gradual increase in absorption of the laser energy in the hair. This leads to effective hair removal even at lower



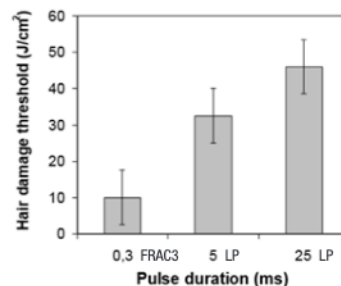
laser parameters than those required when single-pass hair removal is performed, making the treatment much more comfortable, often eliminating the need for cooling.



*Using the Avalanche FRAC3® procedure, hair temperature is gradually increased with a sequence of low-energy pulses delivered to the same hair, effectively destroying the hair while maximizing treatment comfort.*

## Exclusive advantage of FRAC3® hair removal for you and your patients

Compared to the standard laser hair removal treatment concept, which requires medium-to-long laser pulse durations (LP, 15 – 50 ms), Fotona's short FRAC3® pulse, ideally 0.3 – 1.6 ms long exhibits the lowest hair damage thresholds, making this treatment more comfortable to the patient.



*Measured dependence of the hair damage threshold. Hair removal is much more effective at FRAC3® laser pulse conditions, while keeping the epidermis safe.*

## Why is the Fotona Dynamis/Spectro Line perfect for FRAC3® hair removal?

The Fotona Dynamis/Spectro Line provides the optimal pulse profile, speed and power for quick and efficient hair removal using super-short FRAC3® pulses as well as standard long pulses. To treat large body areas of various shapes, SOE (Scanner Optimized Efficacy) technology can be used to quickly fill the entire treatment area with uniform energy at high laser pulse power densities, providing fast, precise, consistent and comfortable FRAC3® laser treatments. The result is a safer, uniform laser treatment without hot spots or energy loss.



**To learn more about FRAC3® hair removal and what the SP Dynamis can do for your practice contact Fotona at [info@fotona.com](mailto:info@fotona.com) today.**