Implements efficacy and safety of classical Q-switched tattoo removal
Deep ablation for a strong skin remodeling response with minimum downtime
Improved skin quality and texture
Ablative and non-ablative treatments available for a variety of applications
Suitable for all skin types

FracTAT®
Fractional Q-switched Nd:YAG laser solution for effective pigment removal & improved skin texture

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What is FracTAT®?

Fotona’s innovative FracTAT® technology, based on high-energy pulses of fractional Q-switched Nd:YAG laser, enables extremely high peak powers to be concentrated in a matrix of tiny spots, inducing fractional photoacoustic shockwaves below the tissue surface (non-ablative mode) or even micro-puncturing the tissue surface (ablative mode) when higher energies are used.

FracTAT® Treatment for Tattoo Removal

In the patented FracTAT® tattoo removal treatment, micro-holes are drilled into the skin using a high energy fractional ablative laser. This is followed by Q-switched tattoo removal. The micro-holes act as relief ducts that enable gasses formed in the tattoo removal step to escape and enable more efficient pigment destruction and tattoo clearance.*

The ablative FracTAT® procedure is also very efficient in the treatment of scars, enabling deep resurfacing with minimum downtime.**

FracTAT® for Rejuvenation and More

When the FracTAT® procedure is performed in non-ablative mode, fractional microscopic lesions are formed in the epidermis and dermis due to plasma micro-explosions, leading to cavitation, while the tissue surface remains intact. This makes the non-ablative mode ideal for applications such as rejuvenation, texture improvement and acne scar revision, particularly in darker skin types for which other ablative procedures are often avoided.

FracTAT® is available on Fotona’s StarWalker® platforms.

For further insights into the clinical use of Fotona’s FracTAT® procedure, we recommend the following open-access papers published in peer-reviewed scientific journals:

* Lasers in Medical Science: Q-S laser micro-drilling and multipass full-beam Q-S laser for tattoo removal — a case series (Dr. Leonardo Marini, Trieste, Italy). Results: FracTAT® assisted tattoo removal quickly, safely and effectively removes tattoo pigments.

** Journal of Cosmetic Dermatology: Acne scar treatment using high-energy fractional nanosecond Q-switched 1064 nm laser (Dr. Nasrin Mani from La Jolla, CA, USA). Results: excellent clinical outcomes were achieved in facial acne scar management with a high patient satisfaction rate and no observed side effects.

To learn more about FracTAT® and what the Fotona laser systems can do for your practice, contact Fotona at info@fotona.com today.