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**ADVERTORIAL** 

# The SCAAR Eradicator

Dr. Ananda Dorai, consultant plastic, reconstructive and aesthetic surgeon of Tropicana Medical Centre, talks to us about his experience with the Lumenis UltraPulse® Fractional CO<sub>2</sub> Laser with SCAAR FX™ mode.

or over 40 years, Lumenis® has been releasing advanced laser and intense pulsed light systems. In 2012, the laser industry saw the ground-breaking Lumenis UltraPulse® with SCAAR FXTM introduced to the market. The UltraPulse® has led the way in fractional resurfacing and treatment of conspicuous scars.

The UltraPulse® is an impressive six times more powerful than any other CO, laser in the industry, and can perform Synergistic Coagulation and Ablation for Advanced Resurfacing, also known as SCAAR, by using a higher energy impact of up to 150 mJ per spot and shorter pulse durations to impact up to 4.0mm into the skin tissue, which is four times deeper than any other CO2 laser. Providing twice the treatment speed of most CO2 lasers, patients can also expect shorter procedures.

With this new technology, the UltraPulse® is able to achieve the optimal and ideal ablation/coagulation ratio, and is designed to substantially improve the structure of deep contracted lesions, such as surgical scars. It also succeeds in replacing scar tissue with normal tissue and minimises side effects.

"The scars are much thinner and flat, the colour and texture of the scars improve, and scars tend to be less painful with improved range of movement across the joints," Dr. Ananda Dorai explained of the benefits. "I had one patient in particular that told me UltraPulse® was the most powerful laser treatment she'd ever had for her severe acne scars, and she's had several in the past. She's a much more confident person now!"

Additionally, treatment of conspicuous scars have been shown to improve patients' range of motion and the appearance of scars in treated areas, thus improving their quality of life.

### TWO TECHNOLOGIES IN ONE

The technology includes two handpieces, the ActiveFX<sup>TM</sup> and the DeepFX<sup>TM</sup>, offering unmatched versatility in the range of treatments. This also means that treatments are customisable, thus offering personalised treatment plans to meet individual patient needs.

Using superficial fractional ablation, the ActiveFX<sup>TM</sup> applicator can be used to treat shallow lesions, fine lines, uneven texture, dyschromia and actinic keratosis. This applicator has a 1.3mm spot size to treat larger areas more quickly and provides effective single treatment, or single pass laser skin resurfacing, and therefore a fast recovery and short downtime.

Deep fractional ablation induces tissue tightening, so the DeepFXTM applicator can be used to treat medium lesions and profound wrinkles. With a 0.12mm spot size, it treats deeper areas more effectively and precisely. TotalFX<sup>TM</sup> is a mode that can be used in both handpieces, and combines superficial and deep fractional ablation to treat scars, improve skin texture and resolve fine lines and wrinkles. Because dense lesions can vary in elevation, it uses both 1.3mm and 0.12mm spot sizes to achieve treatment at different depths.

The SCAAR FXTM mode in the DeepFXTM handpiece, is a new aesthetic mode in UltraPulse® that enables treatment of deep skin conditions, such as hypertrophic, surgical and acne scars. It combines short pulse durations with high energy to enable deep and precise treatment.

"This is suitable for those suffering from hypertrophic, keloid, acne and burn scars with contractures," Dr. Ananda emphasised. With a small spot size of 12mm penetrating up to 4.0mm into the dermis, the SCAAR FXTM mode can treat all depths of lesions effectively, with minimal side effects and more effective results.



Dr. Ananda Dorai, consultant plastic, reconstructive and aesthetic surgeon, says that the UltraPulse® SCAAR FX® mode in the DeepFXT handpiece is suitable for those suffering from hypertrophic, keloid, acne and burn scars with contractures.

## A COMFORTABLE EXPERIENCE

How does treatment with UltraPulse® feel? "The laser scar treatment is generally performed on an outpatient basis using topical numbing creams and oral medication. Generally, most of my patients are able to tolerate the mild pain during the treatment and have a good recovery," Dr. Ananda added. "The mild pain and discomfort is transient and most of my patients are comfortable with oral medications." Though patients may feel slight discomfort, the energy delivery is much higher and so the number of treatment sessions required is reduced, though this will also depend on how severe and thick a patient's scars are.

Minimal swelling, bruising and darkening of the treatment area can be expected in the first week after treatment, but with adequate skin care thereafter, the changes will be obvious. Sunscreen is important.

Delivering speed, versatility, performance and precision, UltraPulse® easily supports a full spectrum of aesthetic and surgical capabilities, whilst maximising results, minimising side effects and reducing treatment time. With unmatched technology and multiple FDA cleared dermatology and plastic surgery indications, it is no wonder the UltraPulse® is now used by physicians around the world.

For more information, contact:

**DELTA MEDISAINS (M) SDN. BHD.** 

No 31, Jalan USJ 1/31, 47500 Subang Jaya,

Selangor Darul Ehsan, MALAYSIA.

Tel: (+603) 8023 8189

Fax: (+603) 8023 8187

E-mail: sales@dmsgrp.com / support@dmsgrp.com

Website: www.aesthetic.dmsgrp.com