DEKA Introduces New Options
to Treat Scars in Asian Skin Types

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Scar before treatment

Scar after SmartXide^2 DOT RF treatment
Photos courtesy of DEKA

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From a therapeutic stand point, scars in Asian skin types have always represented a big obstacle due to the high risk of inducing post-inflammatory hyperpigmentation (PIH). As well, in the hypertrophic phase, some scars are often averse to the majority of treatments, causing only complications and / or short-term results at best. However, treatment with the SmartXide^2 DOT RF laser system from DEKA (Calenzano, Florence, Italy) can produce noticeable cosmetic improvement of scars, offering renewed hope for these aesthetic patients.

As a multi-purpose laser system, SmartXide^2 is proving effective for numerous cosmetic and medical indications across different specialties. Its multidisciplinary and multifunctional features represent an evolution of CO_2 and diode laser technology. Featuring DEKA's novel Pulse Shape Design (PSD®) technology, the SmartXide^2 DOT RF allows selectable pulse shape, specific for the application and indication, optimizing treatment by providing increased patient comfort, erythema control and minimal downtime.

According to Paolo Bonan, M.D., professor of Dermatology at the University of Florence, Italy, atrophic facial acne scarring is one of the most common problems in patients with inflammatory acne in Asia. "In my experience, treatments with the SmartXide^2 DOT RF can achieve good aesthetic outcomes in patients with atrophic or hypertrophic scars, and improve the cosmesis of these lesions."

"Selectable ablation pulse shapes offer a great advantage," said Dr. Bonan. "We found that the High Pulse (HP) of Smartxide^2 DOT RF fractional CO_2 played an important role in treating the spectrum of scars for Asian patients. In addition, post treatment management is very easy for patients now."

"The high tolerability of the pulse, the low thermal damage induced and the simultaneous bi-polar radiofrequency stimulation puts SmartXide^2 DOT RF in a higher plane versus other CO_2 systems, allowing us to avoid the risk of scars and dyschromias, and achieve the maximum result with the least effort, ensuring patient comfort," Dr. Bonan explained.

"For the majority of acne scars, PIH is a real risk. These scars need to be eliminated from the very deep dermis," Dr. Bonan continued. "The HP on SmartXide^2 DOT RF starts a biostimulating process that initiates the growth of new collagen over six months, resulting in a rejuvenated appearance of the epidermis. In some cases of hypertrophic and keloid scarring, I have found it very useful to combine intralesional triamcinolone and fluorouracil with a pulsed-dye laser."

"A synergistic approach is the best way to treat complicated pathologies in Asian skin types," said Dr. Bonan. "In clinical studies SmartXide^2 microablative fractional CO_2 revealed improvement of 65% to 100%, with very low occurance of either post-op crusting or erythema. For the very few cases in which PIH occurred, it was reduced with regular use of tretinoin, hydroquinone and desonide cream, both pre- and post-operatively, along with use of a broad spectrum sunscreen after treatments. This data confirms that we can effectively treat a wide-range of indications with SmartXide^2 DOT RF," Dr. Bonan concluded.