

Scar Treatments Evolve with Non-Traditional and Emerging Therapies



Before Tx



After IMFM Tx

Photos courtesy of Dennis Garsky, M.D.



Before Tx

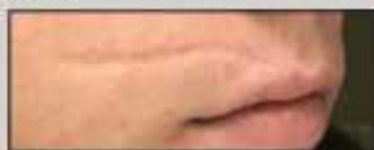


After seven Reaction treatments

Photos courtesy of Daniel Wax, M.D.



Before Tx



After SP Dynamic TwinLight laser scar revision treatments

Photos courtesy of D. Bolek, M.D.

According to Brent R.W. Moelleken, M.D., F.A.C.S., a plastic surgeon in Beverly Hills, California, U.S., for practitioners the real work in treating scars starts after the Sterry strips come off. "We usually recommend applying vitamin C and E, antioxidant-type, oil based lotions to the wound, as well as



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silicone based creams, silicone sheeting and perhaps fractional laser or intense pulsed light (IPL) treatments. Advanced energy-based technology is very helpful in treating scars."

Representative of new, multi-modality lasers is the INFINI, from Lutronic Corp. (Fremont, California, U.S.). This 2-in-1 fractional RF system features two modalities: Microneedle Fractional RF (MFR) and Superficial Fractional RF (SFR), on a single platform.

MFR creates precise and controllable coagulation zones deep within the dermis; the three-dimensional fractional volumization of MFR provides dramatic skin tightening and rejuvenation, and a more comfortable procedure. Adjustable depth microneedles deliver energy deep in the dermis without damaging the surrounding tissue. Since there is little-to-no thermal damage to the epidermis, MFR can effectively lower the risk of post-inflammatory hyperpigmentation in darker skin types. SFR offers non-invasive delivery of RF energy to the epidermis and dermis using a dual channel delivery system.

Non-invasive energy for scar treatment is also rapidly improving. In addition to skin tightening, the Reaction™,

from Viora, Ltd. (Jersey City, New Jersey, U.S.), provides scar correction and striae improvement. Delivering pain-free, clinically proven results with no downtime, this multi-frequency, bi-polar RF device features the firm's CORE™ (Channeling Optimized RF Energy) technology, which uses three individual frequencies allowing various penetration depths and a multi-channel mode that incorporates all frequencies simultaneously.

Maintaining the theme of combining wavelengths, YouLaser MT, from Quanta System S.p.A. (Solbiate, Olona, Italy), is a new, innovative device for performing skin rejuvenation and scar reduction in a single session, with almost no downtime. It employs proprietary Mixed Technology, which combines 10,600 nm and 1540 nm wavelengths in a sequential or simultaneous fractional emission, for the effective treatment of scars such as acne scars, delivering a deep dermal stimulation to lift the scar depression, combined with ablation of the edges.

YouLaser MT's large touchscreen enables monitoring of all parameters via an intuitive and user-friendly graphical interface. The unit's Opti-Simulator feature shows a 3D animation of the pattern generated by the laser prior to the real treatment, which is useful for tuning parameters.

Using both non-ablative Nd:YAG and fractional ablative Er:YAG wavelengths, the TwinLight® treatment from Fotona (Ljubljana, Slovenia) is part of a comprehensive scar reduction regimen that shows immediate, visible results. Clinical research suggests that this type of dual wavelength scar therapy provides a more comprehensive and effective solution compared to other types of treatment due to the synergistic effects that are associated with combined use of the complementary