

Sciton's ProFractional Enables Treatment Flexibility

By Amy Kamin, Contributing Editor



Before Tx

After ProFractional Tx

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ProFractional (Sciton, Inc., Palo Alto, Calif.) continues to excite the advanced aesthetic physician with its flexibility and ability to tailor treatments to patient's needs, delivering impressive and replicable improvement of wrinkles, scars, pigment, tone and texture. Depending on the degree of improvement needed and the patient's desired benefit, adjustable settings enable physicians to achieve superficial or deep penetration, in a single-pass treatment with little downtime or risk.

“ProFractional has the ability to treat fine lines around the mouth and eyes and light wrinkles all the way to deeper wrinkles and acne scars,” reported Mark S. Nestor, M.D., Ph.D., clinical assistant professor of dermatology and cutaneous surgery at the University of Miami, School of Medicine (Miami, Fla.). With ProFractional the physician gets the purest ablation possible with a very small amount of residual thermal injury to delay healing. Discomfort and side effects are minimized and there isn't any necrosis to delay healing.

Sciton's robotic scanning technology ensures fast and repeatable treatment. Perfect spot placement is possible while adjusting the depth, even significantly, and the density of the wound. This concept of volumetric wound control is directly related to the recovery time and the level of clinical improvement. You can balance the clinical effect to the time available for recovery.

Sciton's ProFractional delivers small pockets of 2940 nm wavelength light that are almost completely absorbed by water, causing a flash vaporization of a narrow column of tissue. This complete conversion of water to steam consumes most of the heat and leaves a clean and fast healing wound. The procedure instantly removes micro-columns of tissue at selectable depth and triggers the wound-healing cascade. The absence of residual thermal damage and necrotic tissue promotes a clean and fast healing wound, eliminates pain, reduces redness and starts immediate

healing. Patient recovery is rapid and cosmetic improvement continues for months after. Long-term results are excellent.

A combination of modalities delivers the best patient outcomes. ProFractional is one of several modules that can be built into a single Sciton system. Jason N. Pozner, M.D., director of the Medical Aesthetic Center and Sanctuary Plastic Surgery, Boca Raton, Fla., regularly uses a combination of modalities and noted that both he and the patients love the combination and the outcome. “We are using combined sequential MicroLaserPeel (MLP) with ProFractional because doing a complete epidermal peel first enhances the results of ProFractional without adding downtime,” Dr. Pozner explained. “Improvement to tone, texture, pigment and long-term collagen remodeling are impressive.”

“The MicroLaserPeel is a nice treatment because there is 100% surface area coverage and it removes thin layers of skin, usually around 30 microns in one treatment,” noted Michael Kaminer, M.D., a partner at Skin Care Physicians of Chestnut Hill (Chestnut Hill, Mass.). According to Dr. Kaminer, combining MLP and ProFractional creates both an immediate benefit, from the MicroLaserPeel, on a superficial level and an immediate, as well as an on-going improvement, with the ProFractional's deeper penetration into the dermis and longer-term collagen remodeling.

According to Dr. Nestor, with the ProFractional you can get good results without deep heat and downtime. The physician also has the ability to match the treatment to the patient depending on the desired outcome and time available for recovery. Sciton has a next generation version of ProFractional with a faster scan speed that is scheduled for release at the 2008 *American Society for Laser Medicine and Surgery (ASLMS)* show. ProFractional's technology of pure ablation offers a beautiful aesthetic result with fast healing.



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