

Radiofrequency Microneedling and Plasma – Two Treatments with One Device

By Cindy J. Papp, Contributing Editor

Radiofrequency microneedling (RFMN) has become a must-have to increase treatment versatility at aesthetic practices, while increasing their patient base. Today, plasma treatments are quickly gaining traction as an effective skin rejuvenation treatment. Developed by HIRONIC (Gyeonggi-do, South Korea), the Silkro RFMN device will soon introduce a PLASMA handpiece to its collection. This addition offers providers the convenience and effectiveness of both treatments in one comprehensive device.

The Silkro platform offers four signature handpieces including the RFMN handpiece, a circle-shaped RF (Smooth) handpiece, a single-needle RF (Precision) handpiece to target blemishes, and an intimate RF (RV) handpiece for women's wellness. Storing the client's treatment history and device usage data, this all-in-one treatment platform ensures safety and enables providers to deliver consistent, personalized treatments.

"RF is one of the best treatments for skin tightening. It induces mechanical skin induction to promote the renewal of fibroblasts and subsequently collagen and elastin fibers," explained Christian Fayard, MD, an aesthetic physician in Amiens, France. "We primarily use Silkro RFMN for skin tightening, scars and stretch marks.

"The principle of plasma technology lies in the unique properties of this ionized gas," Dr. Fayard continued. "When it touches the skin, it triggers a chemical reaction that stimulates cell regeneration and boosts collagen and elastin production to enhance skin texture and reduce fine lines and pores. We have a plasma treatment protocol that begins with an exfoliation to prepare the skin, followed by either a peel or mesotherapy. We then apply the plasma treatment followed by light-emitting diode (LED) therapy in four sessions, one week apart."

Dermatologist Cristina Cortes-Peralta, MD (San Pedro Garza García, Mexico), mainly uses Silkro's RFMN handpiece for improving skin texture, focusing mainly on facial and body acne scars. "Additionally, I apply this treatment to post-bariatric surgery or postpartum patients, targeting areas such as the abdomen or inner thighs. I normally suggest RFMN in combination with injectable biostimulators to

improve areas with moderate laxity such as the lower third of the face, the neck, décolletage, inner arms, abdomen and anterior and inner thighs. The advantages of this treatment include minimal to no downtime, high tolerability and quick, visible improvements.



Before and one month after two Silkro treatments
Photos courtesy of Christian Fayard, MD

"I also use Silkro RFMN to treat stretch marks," Dr. Cortes-Peralta continued. "It helps diminish the appearance of the white lines on the skin and improves firmness. My treatment protocols depend on the deepness and duration of the stretch marks, but I may use RF in combination with calcium hydroxyapatite-based biostimulators in sets of three to six sessions according to patients' needs." She added that she also treats mild rolling and boxcar scars with the RFMN handpiece. "We suggest an initial set of three monthly RFMN sessions and a possible biostimulator to enhance collagen production, followed with additional sessions 6 to 12 months later to enhance collagen production."

Dr. Cortes-Peralta also employs Silkro's PLASMA handpiece. "The plasma technology elicits a uniform and controlled heating effect on the skin that induces collagen formation and promotes fibroblast activity. An increase in these two proteins shows benefits on several of the skin quality parameters: evenness, tightness and glow," she mentioned.

The upcoming addition of the PLASMA handpiece to Silkro is expected to receive FDA approval in the U.S. in April 2024.



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RF Total Solution



Advanced RF Treatment

Address loose skin, wrinkles, scars, stretch marks, acne



Personalized Transformation

Combine handpieces to tailor results



Ultimate Precision

Select depth, needle type, and tip size



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