Physicians using computer-controlled radiofrequency (RF) energy, precisely delivered by a micro-invasive 22 gauge cannula SmartTip™ thermistor probe, are pioneering a new approach to cosmetic skin tightening, according to Kevin O’Brien, president of ThermiAesthetics (Southlake, Texas, U.S.) These physicians are using the company’s new, FDA approved ThermiRF™ RF application technology to carefully sculpt the skin, tightening it around the underlying skeletal structure, while eliminating unwanted subcutaneous fat in the adjacent adipocytes. This device also features an exclusive Thermal Image Guidance™ infrared video camera to monitor treatment.

“The procedure is as simple as it is precision-based,” said Steven R. Cohen, M.D., F.A.C.S., medical director of FACES+ Plastic Surgery in La Jolla, California, U.S. “After a mild anesthetic is injected into the area to be treated, the SmartTip is gently inserted under the skin. There, it delivers RF-generated, thermistor-regulated heat energy precisely where it is needed, creating immediate and readily apparent outcomes. This represents a very real breakthrough in using minimally-invasive technology to deliver results previously only possible through surgery.”

This peer-reviewed procedure is described as thermistor-controlled subdermal skin tightening. The SmartTip probe is used to deliver computer-controlled levels of heat-producing RF energy under the skin. This gentle heat tightens the skin, pulling it down toward the underlying bone structure, even as this carefully-monitored heat melts the fat cells. The Thermal Image Guidance infrared video camera provides physicians with real-time external temperatures — allowing them to ensure the precision of the heating effect, while at the same time, maintaining safe skin temperatures.

“The patient’s ‘Holy Grail’ includes three requirements,” expressed Brian Kinney, M.D., who is a plastic surgeon in Beverly Hills, California, U.S., and serves as chairman of the ThermiAesthetics Clinical Advisory Board. “Patients want to see immediate results, with no pain and no downtime, and the ThermiTight procedure addresses these three requirements.”

“Results are often noticeable immediately after the treatment. The skin is visibly tightened as subcutaneous fat is melted, Dr. Kinney continued. “With a slight touch of lidocaine prior to treatment, there is almost no pain at all, and patients can immediately resume routine daily activities, with no downtime. Most just take acetaminophen or no pain medicines.”

In addition to being the first thermistor-controlled heat application that is FDA approved for cosmetic purposes, ThermiRF was the subject of a peer-reviewed clinical study, published in February 2014 in the Journal of Drugs in Dermatology. In this study, 18 patients with submental skin laxity were treated using ThermiTight™’s thermistor-controlled subdermal skin tightening technology.

“This study demonstrates the safety and effectiveness of a micro-invasive RF treatment for patients with skin laxity, especially in the lower face and neck,” explained Mr. O’Brien. “The combination of thermistor-regulated energy delivery and the simultaneous monitoring of subdermal and external temperatures allows physicians to safely produce notable results painlessly.”

Reference:
Taking Fractional RF Microneedle Skin Remodeling To The Limit

EndyMed’s unique 3DEEP® Intensif technology allows for 3 times the heating volume per pulse, with minimum pain and discomfort. The new 3DEEP Intensif Fractional Microneedle RF handpiece is simply the best solution for reducing deep wrinkles, tightening skin and improving skin texture.

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