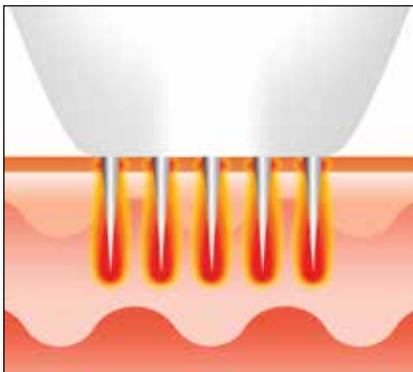


Secret RF Microneedle Fractional RF Offers Solution for Axillary Hyperhidrosis



Christoph H. Schick, M.D.
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"After only two treatment sessions, results showed a strong and highly significant reduction in sweat volume from an average of 200 mg to 50 mg per minute."



Secret RF's microneedles precisely deliver RF thermotherapy to the target site.

Photo courtesy of Ilooda, Co., Ltd.



Axillary hyperhidrosis treatment with Secret RF

Photo courtesy of Ilooda Co., Ltd.

By Ilya Petrou, M.D., Contributing Editor

A novel radiofrequency (RF) treatment approach for axillary hyperhidrosis using the Secret RF™ device from Ilooda Co., Ltd. (Korea), appears to significantly reduce the production of axillary sweat, offering hope for those patients who suffer from this somewhat debilitating condition.

Severe hyperhidrosis and particularly axillary hyperhidrosis can significantly impact the quality of life in affected patients. Currently the available treatment options for hyperhidrosis include conservative non-surgical methods such as topical antiperspirants, iontophoresis, anticholinergics and botulinum toxin injections, as well as surgical approaches such as axillary curettage, skin excisions and sympathectomy. Laser and other energy-based devices have also been used for this condition, albeit achieving varying degrees of success.

According to Christoph H. Schick, M.D., of the German Hyperhidrosis Center (DHHZ) in Munich, Germany, "at present, there is demand for a treatment method that would bridge the gap between surgical and non-surgical therapies. A radiofrequency thermotherapy approach could bridge this gap, offering a minimally invasive treatment option in patients suffering from axillary hyperhidrosis."

Secret RF is a fractional bi-polar RF system that employs microneedles to penetrate the skin at a preset depth ranging from 0.5 mm – 3.5 mm, and precisely deliver energy to the target site. This device has already proven to be very effective in skin lifting, tightening and overall rejuvenation, achieving significant improvements in the appearance of wrinkles, acne scars and stretch marks, among other cosmetic indications. Axillary hyperhidrosis is yet another indication for this innovative device, underscoring its broad-based efficacy and versatility.

In a recent clinical trial, Dr. Schick treated 26 patients with grade III axillary

hyperhidrosis using the Secret RF device. Study participants received a total of two treatment sessions performed in six week intervals, and were followed-up with the hyperhidrosis disease severity scale (HDSS) and the dermatology life quality index (DLQI), as well as a review consultation. Treatment efficacy was determined gravimetrically and planimetrically by the use of the minor sweat test.

After only two treatment sessions, results showed a strong and highly significant reduction in sweat volume from an average of 200 mg to 50 mg per minute. The subjective patient symptoms also improved dramatically, with similar changes recorded in the patient HDSS and DLQI scores, indicating significant improvements in the post treatment period.

Post treatment effects included transient erythema and a low-grade exudate with subsequent superficial crusting over the treatment area. All study participants tolerated the treatments well, and typically described these effects as similar to a sunburn.

"Radiofrequency thermotherapy represents an interesting treatment modality for axillary hyperhidrosis," Dr. Schick noted. "The treatment is painless under local anesthesia and post treatment side effects are minor and transient. Despite a marked improvement in axillary hyperhidrosis after two treatments, most of the patients were keen for further improvement, so a third or fourth treatment can certainly be considered."

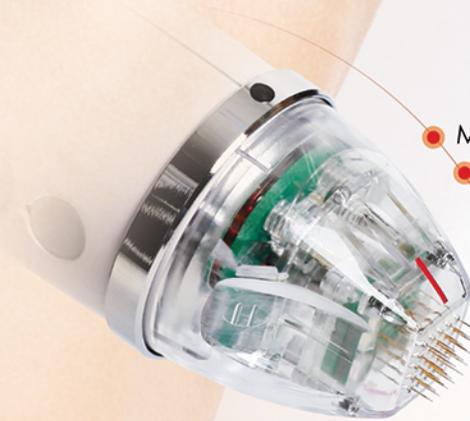
In Dr. Schick's experience, the ideal hyperhidrosis treatment should provide permanent or long lasting results, be painless, non-invasive or minimally invasive, have a minimal recovery time and minimal adverse effects. Radiofrequency thermotherapy meets many of the listed requirements as a preferred treatment for axillary hyperhidrosis he said, offering an innovative solution for patients suffering from this condition.

Secret^{RF}

Micro-Needle Fractional RF System

Non-surgical treatment for Axillary Hyperhidrosis

Precisely controlled RF energy will be delivered into a certain target layer thru minimally invasive numerous micro-needles for optimal non-surgical underarm sweat treatment



- Medical Grade **Sterilization**
- **Gold Plate**
- **Single Use**

Minor's test result



Photos courtesy of
Michael Naouri, M.D.,
Dermatology and Laser Center
Nogent sur Marne and
Paris, France

Before treatment



After two sessions

