

# Revivogen MD with Microneedling

## Achieves Effective Hair Rejuvenation



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It is estimated that over 80 million men and women in the U.S. are experiencing hair loss.<sup>1</sup> Consumer demand for non-invasive cosmetic procedures is also on the rise. In 2013 alone, there were 9.5 million non-surgical procedures performed within the U.S.<sup>2</sup> Only microdermabrasion saw a decline in the amount of procedures performed, which is likely due to the more effective form of non-surgical skin rejuvenation available with multi-use microneedling devices.

Microneedling is quickly becoming one of the most popular forms of skin rejuvenation among physicians and patients, offering a cost-efficient device that easily treats multiple indications with consistent results, marginal downtime and minimal chance for complications. Unlike ablative laser resurfacing, where healing can take a week or more, microneedling patients may return to work as soon as three days after treatment.

A new hair rejuvenation application, which combines microneedling with topical solutions is showing great potential. A study performed on 100 men with Androgenic Alopecia (AGA) compared Minoxidil use with and without microneedling. Results from the patients who received the combination treatment were statistically superior to the group treated only with Minoxidil.<sup>3</sup>

As Alex Khadavi, M.D., a board certified dermatologist and associate professor of dermatology at USC (Encino and Thousand Oaks, Calif.) explained, "After microneedling, the skin and scalp become more permeable to the topical agents placed on it, allowing better absorption for the next seven days. In addition, the increased blood flow after treatment and activation of senescent cells, like the root cells for hair growth, make the topical agents more effective. As the activation of hair growth is turned on, topical agents

amplify the benefit beyond one week, perhaps even up to three months."

Dr. Khadavi is also the founder of Advanced Skin & Hair (Los Angeles, Calif.) and formulator of Revivogen MD, a naturally based hair loss solution, that blocks the hormone Dihydrotestosterone (DHT), which is responsible for male and female pattern hair loss. In addition, the product stimulates hair follicles into the growth phase.

While 5% Minoxidil is recommended only for male patients, comes with possible side effects and does not block the hormone DHT, Revivogen MD offers a more comprehensive solution that is safe for female patients and has the same level of efficacy as it does for men.

For Kevin McMullen, M.D., who owns Great Hair Restoration of Oklahoma (Oklahoma City, Okla.), "Revivogen MD is the cornerstone product for all of my hair loss patients as an excellent anti-DHT solution with no side effects."

After 15 years, hundreds of physicians in over 40 countries have recommended Revivogen MD to their male and female patients with AGA because of its 88% success rate at returning hair to its appearance from three to five years ago without any systemic side effects.

Advanced Skin & Hair stands by the Revivogen MD product with a money back guarantee, as well as education and training.

### References:

1. *American Academy of Dermatology*, number of men and women in U.S. with AGA
2. *The American Society for Aesthetic Plastic Surgery Reports* number of non-surgical cosmetic treatments. Mar 20, 2014
3. *Int. J. Trichology*. 2013 Jan-Mar; 5(1): 6-11., PMID: PMC3746236, *A Randomized Evaluator Blinded Study of Effect of Microneedling in Androgenetic Alopecia*



Before Tx



Twelve months after Revivogen MD Tx

Photos courtesy of Advanced Skin & Hair, Inc.