INNOVATIONS FROM DERMATOLOGISTS

AGNES

PREMIUM RF TECHNOLOGY

A REVOLUTION IN NON-SURGICAL TREATMENT OF EYE BAGS, WRINKLES, ACNE & SYRINGOMA

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A UNIQUE APPLICATION OF RADIO FREQUENCY TO TREAT EYE BAGS, WRINKLES AND ACNE.

Cosmetic physician Dr Adam Rish talks to AMP about an exciting new RF cosmetic treatment device from Korea: The Agnes RF.

“The Agnes is an important breakthrough in treating eye bags, as surgical removal of lower eyelid fat bags is, besides the expense, technically difficult with a common complication being a sunken appearance to the eye,” he says.

The Agnes, however, involves using a fine coated needle to dissolve the fat pad in a precisely controlled manner. The use of a shallower needle then tightens the lower eye connective tissue to flatten the bag back into the orbit. The treatment is permanent but may need two or three sessions. It may also be used for chin fat pads.

The other exciting Agnes application is for acne. Of the 20,000 sebaceous glands on the face, less than 10% are thought to be acne-prone and, by destroying these at-risk glands, the acne does not recur. The disadvantage of retinoid drug treatments is that they only temporarily suppress all the body’s sebaceous glands thus causing side effects.

Dr Rish attended a workshop in Sydney, in November 2015 where he also met a fellow experienced cosmetic physician, Dr Matthew Holman, from Adelaide. The doctors were impressed enough with the RF device to travel to Korea for further training with its inventor, prominent Korean dermatologist, Prof Gun Young Ahn.

Seeing Prof Ahn’s results and the reception of the device, with over 350 machines operating in Korea and now expanding into the market globally, they decided not only to incorporate the device into their clinics but also to form a company, Kosmedical Pty Ltd, to distribute it in Australia and NZ. The company also involved Ji Won Go, representing many Korean device manufacturers, as a founding director.

RADIO FREQUENCY HISTORY
RF treatments started over 140 years ago with the invention of electrolysis in 1875. With the advent of laser hair removal in the 1990s, the demand for electrolysis fell so researchers looked for new applications. Key among these has been the targeting of the sebaceous gland, blackheads, syringomas on the eyelids, wrinkles and fat pads under the eyes and chin. The Agnes machine is unique in that employs very precisely coated needles of appropriate depths to target the structures in the skin causing the problem. The needle coating means sufficient power may be delivered to the target tissue while causing minimal effects to other areas. The machine has also exact control over pulse duration and power, meaning little downtime or risk of pigment change.

AGNES TREATMENTS
Agnes RF procedures depend on targeted tissue. Most treatments can be done in 15 minutes with the prior application of anaesthetic gel making treatment relatively painless. In the case of eye bag and deep line treatments, local anaesthetic injections may be used.

TIME TO IMPROVEMENT
The benefits appear over the next few months as new collagen is deposited under the skin and the fat is removed by the body’s macrophages.

NUMBER OF TREATMENTS
Benefits from a single treatment should be permanent but 2-3 treatments may be needed to maximise improvement.

AMP
Kosmedical team: Dr Adam Rish, Ms Ji Won Go and Dr Matthew Holman, with inventor Prof Ahn (2nd right) at the NSS 2016 Conference, Melbourne.

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