

# Apollo TriPollar RF

## Provides Lunch Break Tx



**Dvora Ancona, M.D.**  
Milan, Italy

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**Alex Levenberg, M.D.**  
Plastic Surgeon  
Tel Aviv, Israel

By Birgit Hansen, Contributing Editor

In 2006 Pollogen Ltd. (Tel Aviv, Israel) introduced their Regen system to the global aesthetic market. Regen uses Pollogen's proprietary TriPollar radiofrequency (RF) technology for painless ambulatory circumference and cellulite reduction, as well as body and face contouring processes and skin tightening on face and body.

Apollo, a new, advanced and highly versatile system for professional medical treatment also uses the well-established TriPollar RF technology to facilitate a much faster treatment with immediate results. This device offers a range of additional applications such as pain free non-invasive rejuvenation and tightening, including the eye area, below and surrounding the upper brow, as well as the upper lip and forehead.

TriPollar systems operate with third generation RF technology, using three to six electrodes for introducing high frequency electrical currents deep into the skin. This approach enables focusing of the electrical energy required and combining it with variable depths of penetration, without an active cooling process – which is impossible when using conventional monopolar or bi-polar electrode configurations.

Selective heating of the fat cells induces an increased lipolysis rate – the physiological mechanism which allows adipose tissue to release stored fat. Dermal tightening is simultaneously achieved by heating collagen fibers in the extra-cellular matrix. A skin tightening effect is visible immediately following treatment due to a two-dimensional collagen fiber contraction. Thermal damage to the extra-cellular matrix initiates a cascade of inflammatory processes, including fibroblast proliferation as well as a long-term process of collagen remodeling.

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session, the treatment itself creates a pleasantly warm feeling with no pain, and its short duration allows for its inclusion in lunch break activities," reported Dvora Ancona, M.D., an aesthetic medicine specialist in Milan, Italy.

"TriPollar treatments are simple and straightforward," explained plastic surgeon, Alex Levenberg, M.D., a plastic surgeon in Tel Aviv, Israel. "It begins with clean, dry skin and subsequent lubrication of the treatment area using oil. The patient is set in a comfortable position and the appropriate parameters are set according to the specific treatment area. There are three applicators to choose from, therefore the practitioner must determine the most suitable applicator for treatment. The applicator is positioned on the patient's skin and treatment begins with slight pressure and a massaging technique. Throughout treatment the heat sensation is regularly monitored and prior to completion the skin complexion should be rosy and feel slightly warm to the touch. A noticeable tightening of the skin can be seen shortly after starting treatment."

Only four to five treatment sessions, at weekly intervals, are necessary for optimum results when using the Apollo TriPollar system. Average treatment times are as short as five to ten minutes on the face, and 20 to 30 minutes on larger areas of the body. Even areas that were formerly inaccessible for RF tightening, due to pain, safety or unavailable applicators, can now be safely and effectively treated using the range of flexible Apollo applicators.

Pollogen's Apollo TriPollar system, featuring a maximum output of 50 watts, was designed as a powerful yet safe medical system. Apollo has already received the CE mark for professional use in Europe and several applications are pending FDA approval in the U.S.