Lower face & periocular non surgical lifting with thermal regulated endoplasma

The lecture will describe an innovative procedure that combine non surgical lifting of the periocular area & the lower face with a lipolysis effect to get a perfect contouring of the lower face. The use of internal real time thermosensing radiofrequency (endoplasma) combined with an external ablative radiofrequency with plasma effect, induce a very effective neocollagenesis, a strong skin contraction & real lower face contouring improving the sub-chin area & the jaw-line. The results showed a favorable improvement in skin laxity and a very effective lower face lifting. The procedure is a real alternative to the surgical liposuction laser-assisted.

Introduction, background: non ablative Radiofrequency has been for many years the only method for producing skin tightening. Nevertheless, the results weren't always significant when the area treated has also fat excess as the upper neck (double chin), the lower peri-orbital area and the jawline.
A new device combining an internal Thermosensing Monopolar Radiofrequency & an external Ablative Radiofrequency with plasma effect was tested to get immediate skin tightening & lipolysis.
Objective: the study aimed to evaluate the clinical improvement & safety of the combination of Internal real time thermosensing Radiofrequency & External Plasma Ablative Radiofrequency to produce skin contraction & lipolysis in the lower peri-orbital area, lower face & upper neck.
Patients & Methods: 10 patients aged from 42 to 70 years were treated. 3 of them for lower eyelids, 6 of them for lower face lifting and neck skin laxity, and 1 patient was treated for moderate double chin.
A local Anestesia was performed at the entry point of the thermal cannula while a simple topical anestesia was performed prior to the external plasma radiofrequency.
Standarized digital photographs were obtained preoperatively, after few days, a few weeks and up to 6 months.
Safety profiles were also misured at each session.
Only the cases of eyes bag and neck skin laxity were treated with combined internal and external plasma radiofrequency.
The jawline contouring was performed and the double chin were treated only with the internal radiofrequency.
The temperature used on the thermal cannula was between 40 & 44 degrees.
The depth of the internal cannula was 4-6 millimetres under the dermis.
Results: the results showed favorable improvement in the skin laxity & fat deposition. Both investigators' evaluations & patients' evaluation showed significant improvement between 12 & 24 weeks.
No side effects such infection or burn were observed.
The use of the plasma external radiofrequency leaved an epidermal crust (epidermal brown spot with a diameter of 1 millimetre each) which fell spontaneously after 5 days.
A skin redness was observed after the external plasma radiofrequency lasting maximum 1 week.
Conclusion: immediate skin contraction persisting through the immediate intermediate and long-term follow up was found in the vast majority of patients in this study.
The combination of an internal real-time thermosensing monopolar Radiofrequency with external ablative plasma radiofrequency is a very safe & innovative procedure which might become one of the popular treatment option for face lifting & contouring because of the combined effect of new collagen deposition, skin tightening & soft lipolysis due to the radiofrequency heat effects (movement of charge particles within the tissues).

Dr Noura lebbar
Milan, Italy
Aesthetic Surgeon
Aesthetic & Anti-Aging Medicine
A4M Board certified by the American Anti-Age Accademy