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## **MECANO-STIMULATION AND MINIMALLY INVASIVE SURGICAL TECHNIQUES OF THE FACE AND NECK**

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### INTRODUCTION

The objective of our study is to demonstrate the effective utility of devices which have been associated with miniliposculpture in the remodeling of body contours.

### MATERIALS And METHODS

From 1997 to today, we have used alone or in combination the following procedures: Laserlipolysis, Laser-Assisted MiniLiposculpture, Mecanostimulation, Fractional CO<sub>2</sub>Laser + Bipolar Radiofrequency. We have overall treated 995 patients for a total of 2900 interventions.

**Laserlipolysis:** We have performed the first lipolysis in 1997 obtaining good results in the treatment of small localized adiposities. Larger localized adiposities needed more sessions respecting 30-60 days between each session.

**Laser-Assisted MiniLiposculpture:** Since 1998, we associate Laserlipolysis to miniliposculpture to obtain faster results. In patients with good skin elasticity, we work first with laser then with canula. In case of lipofilling, we do first miniliposculpture; In patients with skin elasticity deficit, we treat deep fat with mini canula and more superficial fat with laser in order to obtain optimal skin retraction.

**Mecanostimulation:** Since 2011, we use LPG treatment in post-surgery especially when patients have cellulite and reduced skin elasticity; Since 2009, we have been using last generation of treatment heads –Km80- to prepare tissue for surgery and particularly when we want to use small canula and in case of medium-large localized adiposities.

**Fractional CO<sub>2</sub>Laser + Bipolar Radiofrequency:** Since 2011, we use this device immediately after a laser-assisted miniliposculpture of neck and double chin to treat externally the same anatomical areas treated internally with canula and laser; More recently, we have started to follow this procedure for body-contouring.

### RESULTS

Thanks to last technological progresses, treatment of localized adiposities became less invasive and more safe.

### CONCLUSION

Associating Miniliposculpture – known to act on medium deep fat:

to fractional CO<sub>2</sub>Laser + Bipolar Radiofrequency – known to act at the dermo-epidermal level;

to 1064nm laser or diode laser – known to act at the level of sub-cutaneous fat;

to mecanostimulation – known to act at both levels

we are able to guaranty better results to our patients when compared with results obtained with miniliposculpture alone.

**KEYWORDS:** Laserlipolysis, miniliposculpture, mecanostimulation, bipolar radiofrequency, treatment of localized adiposity

### TECHNOLOGY

LPG, Laser and diode, Nd-Yag Laser, fractional CO<sub>2</sub> Lasers with radiofrequency

### COMMERCIAL NAME

Endermolab CelluM6, Smartxide2 DEKA