

**PAPER'S TITLE :** Radiofrequency Assisted Liposuction (RFAL™): A new era in body contouring

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**ABSTRACT** (Introduction - Materials & methods - Results - Analysis - Discussion)

**Introduction:**

The limitations of traditional SAL include a significant degree of pain, bruising and swelling, with little skin contraction. The advent of Ultrasound (UAL) and laser assisted liposuction (LAL) resulted in decreased bruising and swelling but inconsistent deep tissue thermal profiled and compromised skin contraction. RFAL™, or Radiofrequency Assisted Liposuction, deploying a new novel device BodyTite (InVasix, Israel). An internal electrode is inserted under the skin where the radiofrequency energy is released from the internal electrode as the applicator is moved back and forth. RF current flows from the internal electrode up to the external electrode as the applicator is moved back and forth through the adipose tissue. The RF current causes coagulation of adipose, vascular tissue and soft tissue contraction. BodyTite allows for constant monitoring and feedback control of power, surface temperature and impedance.

**Materials and Methods:**

15 patients with focal lipodystrophies were treated using a new body contouring technology, Radiofrequency assisted Liposuction. 13 patients were female and 2 were male. Treated areas included the abdomen, hips, thighs, arms and male breast. After tumescent infiltration, the BodyTite device was used to heat the subcutaneous tissue and skin to 40 degrees Celsius and to maintain that temperature for a prolonged period of time facilitating both adipose and vascular tissue coagulation, but dermal and soft tissue contraction and shrinkage.

**Results:**

All RFAL™ lipoplasty procedures were performed without complication and the body contouring recovery process was marked by minimal bruising, swelling and pain. There was evidence of significant skin contraction.

**DISCLOSURE STATEMENT**

[1] - Did you receive any funding to support your research for this TOPIC ? **No**

[2] - Were you provided with any honoraria, payment or other compensation for your work on this study ? **No**

[3] - Do you have any financial relationship with any entity which may closely compete with the medications, materials or instruments covered by your study ? **No**

[4] - Do you own or have you applied for any patents in conjunction with the instruments, medications or materials discussed in your study ? **No**

We ask that your first slide states one of the following statements as follows :

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