## ULTRASONOGRAPHY STUDY: SUBCUTANEOUS FAT REDUCTION

CHANGES IN SUBCUTANEOUS ABDOMINAL FAT THICKNESS FOLLOWING HIGH-INTENSITY FOCUSED ELECTRO-MAGNETIC (HIFEM®) FIELD TREATMENTS: A MULTI CENTER ULTRASOUND STUDY.

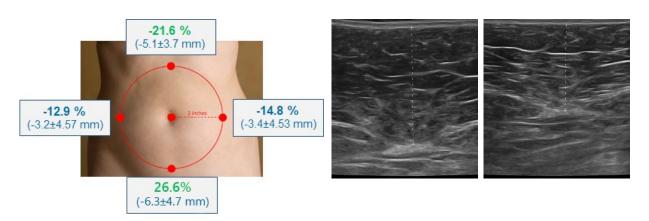
Bruce Katz M.D.<sup>1</sup>, Robert Bard M.D.<sup>2</sup>, Richard Goldfarb M.D.<sup>3</sup>, Aaron Shiloh M.D.<sup>4</sup>, Dilyana Kenolova M.D.<sup>5</sup>

1. Juva Skin and Laser Center, Manhattan NY, USA; 2 Bard Cancer Diagnostics, Manhattan, NY, USA; 3. Center for SmartLipo & Plastic Surgery, Langhorne PA, USA; 4. Shiloh Vein and Aesthetic Institute, Philadelphia PA, USA; 5. Dermasense Dermatology Clinic, Burgas, Bulgaria.

Presented at the Annual Meeting of the American Society for Laser Medicine and Surgery, 2018 Dallas, TX.

## **HIGHLIGHTS**

- **33 patients** received four 30-minute treatments and were evaluated 1 month post application.
- **Ultrasonography** calculated fat thickness in multiple mesurement points **covering the whole abdomen**.
- On average 19.0 % (4.4 mm) reduction of fat was observed.
   The most significant reduction in fat (26.6 %) was observed subumbilicaly.
- **High consistency** with **O non-responders**; 21 out of 33 patients had greater than 15 % fat reduction.
- 91 % satisfaction with treatment results.

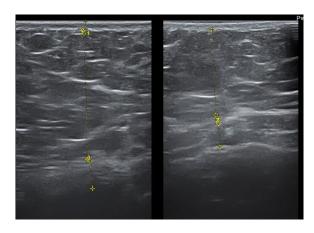


Ultrasound measurements revelated that fat was reduced significantly (p<0.05) in all abdominal areas, with the highest change seen in epi- and sub-umbilical regions.

## **RESULTS**

Patient 3: 24 years old female

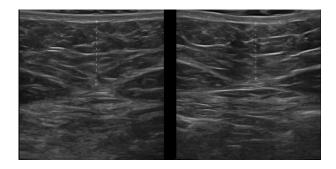
BASELINE 1 MONTH FU BASELINE 1 MONTH FU





Patient 15: 47 years old female

BASELINE 1 MONTH FU 1 MONTH FU **BASELINE** 





Patient 6: 44 years old female

BASELINE

2D Photography **3D Photography** BASELINE

1 MONTH FU





1 MONTH FU