COMPUTED TOMOGRAPHY SCAN STUDY: EFFECTS OF HIFEM® ON VISCERAL FAT

THE EFFECT OF THE HIFEM® PROCEDURE ON ABDOMINAL VISCERAL FAT: A RETROSPECTIVE CT ASSESSMENT.

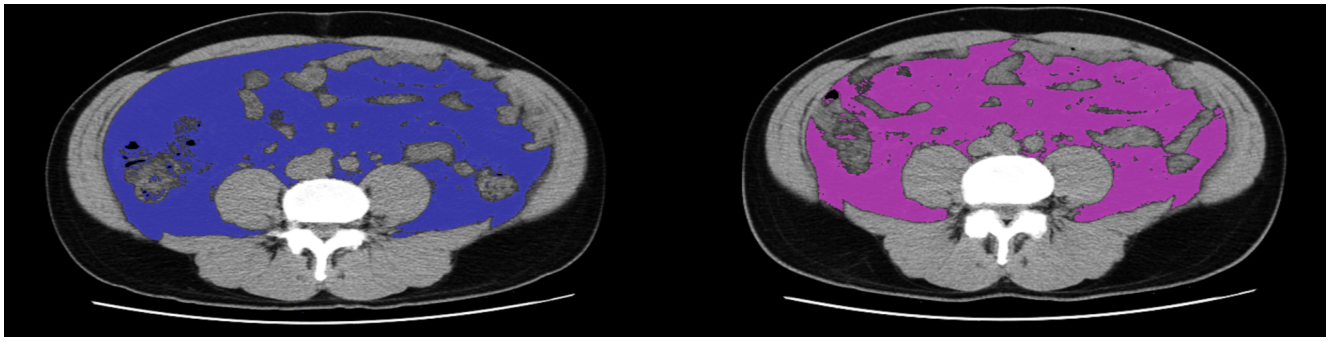
David Kent, MD[1], Brian Kinney MD[2]

1. Skin Care Physicians of Georgia, Macon, GA, USA
2. University of Southern California Division of Plastic Surgery, Beverly Hills, CA, USA

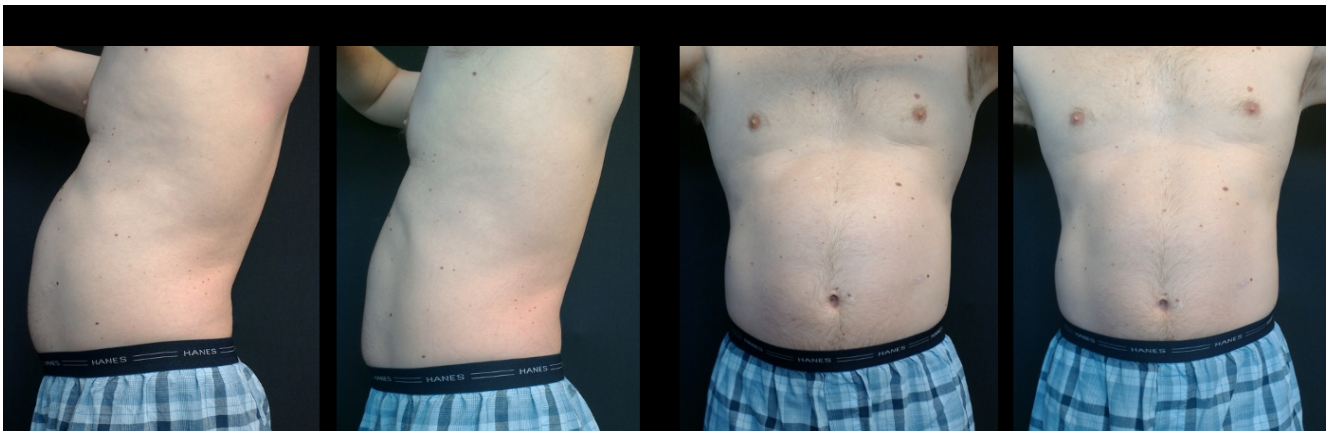
HIGHLIGHTS

- CT scans of **22 Patients (19 females and 3 males),** average BMI 23.5±3.5 kg/m^2 **was evaluated retrospectively** for the levels of visceral fat.
- The average **visceral fat reduction** across the abdomen was **14.3%.**
- **17 out of 22** patients showed **reduction higher than 10%.**
- Patient's weight **did not change** significantly.

BASELINE 1 MONTH FU



BASELINE 1 MONTH FU BASELINE 1 MONTH FU



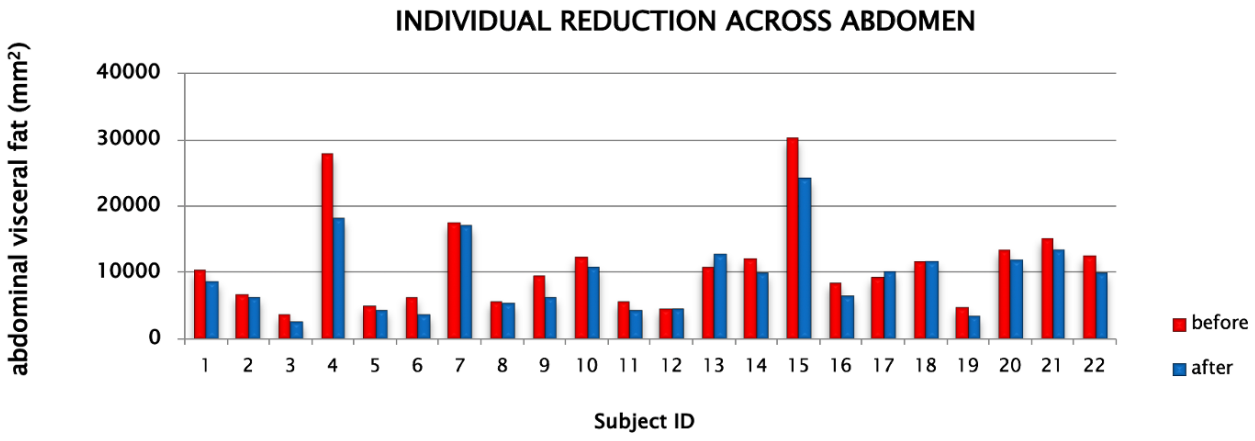
SUBJECT ID 15: Sub-umbilical slice, 48 years old male, average BMI of 31.8 kg/m2, average VF reduction of 19.9%.

STUDY DESIGN

- CT scans of 22 patients, who initially received 8 treatments of the abdomen (2 per week) were retrospectively evaluated for the levels of visceral fat after the HIFEM procedure.
- The CT scans obtained before and 1-month after the last treatment were evaluated.
- Cross-sectional umbilical, sub-umbilical and epi-umbilical slices were used for analysis.
- The levels of visceral fat were calculated through segmentation, as an area within the slice occupied by fat tissue.

RESULTS

- The retrospective analysis of the cross-sectional CT slices showed an average reduction in the visceral fat of 14.3% (-1667.2±2380 mm2) across the abdominal area.
- Results demonstrated 17 out of 22 patients showed a reduction higher than 10%, while three patients did not have any change in visceral fat).
- Majority of the visceral fat reduction was seen in the sub-umbilical area (17.1%). The average visceral fat loss epi-umbilically was 15.15% and at umbilicus, the patients lost 10.7% on average.
- The outcomes suggest that HIFEM procedure may have a positive effect on visceral fat.



Graphical representation of individual results on visceral fat reduction at baseline and 1- month FU