

JOINT EVENT ON

# 13<sup>th</sup> Euro Obesity and Endocrinology Congress and 16<sup>th</sup> World Congress on Nutrition and Food Chemistry

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## Study showing results of non-invasive obesity treatments

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**Aim:** To study and quantify the results of non-invasive obesity treatments i.e., ion magnum and high focalized ultrasound. Ion Magnum: The Ion Magnum is a device based on nanotechnology is used to deliver pure analog multiline waveform. This is FDA approved equipment for muscle conditioning on prescription of a qualified medical practitioner only. High focalized ultrasound: High focused ultrasound concentrates up to 1000 beams of ultrasound energy with extreme precision at a targeted depth in the body. It has a triple effect on problematic areas; separation of adipose tissue into individual cells and the gate opening of cell membranes; drainage of contents of fat cells in the interstitial tissue; reduction of fibrous partitions between fat cells.

**Materials & Methods:** 50 patients, 24 males and 26 females were selected randomly of different age groups ranging from 13 years to 70 years. The Body Mass Index (BMI) values of patients ranged from 20.3 to 43.3. For every patient three readings of abdominal girth were taken before and after the treatment; 2 cm above level of umbilicus; at umbilicus and; 2 cm below level of umbilicus.

**Results:** The study showed that the total reduction in abdominal girth was minimum of 13 cm and maximum of 65 cm with an average of 33.28 cm. There were no complications noted in the above study. The patients were segregated into groups of 10, 15 & 20 treatments and within each group the total reduction in abdominal girth was calculated. This showed following results.

Group	Minimum reduction in abdominal girth (centimeters)	Maximum reduction in abdominal girth (centimeters)	Average reduction in abdominal girth (centimeters)
10 treatments	13	43	24.133
15 treatments	16	55	35.176
20 treatments	16	65	41
Total	13	65	33.28

## Biography

Sheetal Kakade is an Aesthetic Physician & Obesity Consultant. She has completed her Graduation and Post-graduation from University of Mumbai. She was awarded a Gold medal in MBBS in Obstetrics & Gynecology by University of Mumbai in 2000. She has also done Specialist Certification in Obesity Professional Education from IASO (International Association for the Study of Obesity) and currently working as Managing Director at Define Aesthetics Clinics in Pune and has experience as Consultant Anesthesiologist and Intensivist from year 2004-2010.

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