

Niels Freitag – Abstract

Presenting Author & Affiliation

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Title of Poster Presentation

Lipolysis by use of external laser approach

Abstract of your presentation

In 2015, SculpSure®, the world's first and so far only laser for hyperthermic, non-invasive lipolysis with FDA approval, was introduced.

The SculpSure® diode laser has 4 independently placeable applications and operates at a wavelength of 1060nm. It heats the fat tissue to a temperature between 42 and 47 degrees Celsius while simultaneously protecting the skin.

After only 25 minutes of treatment, up to 24 percent (1) of the treated fat cells are destroyed and broken down by the body in the course of the following 12 weeks.

In addition, the heat exposure stimulates the production of collagen and elastin, which has a firming effect on the treated tissues.

The focus of the presentation is to give an overview of the mode of action and application possibilities and to describe the experiences of the last two years from the user's point of view.

References

1) Average reduction in fat volume following single treatment as measured by MRI: Clinical and Histological Evaluations of a 1060nm Laser Device for Non-Invasive Fat Reduction.
John W. Decorato. M.D , FACS Rafael Sierra, Ph,D , Bo Chen, Ph.D., West ford, MA, 2014