

SYNCHRONIZED RF & HIFEM: HISTOLOGICAL EVALUATION OF THE EFFECT ON FAT IN HUMANS

HISTOLOGICAL EVALUATION OF THE SIMULTANEOUS RF AND HIFEM TREATMENTS ON HUMAN FAT TISSUE

Radina Denkova MD.

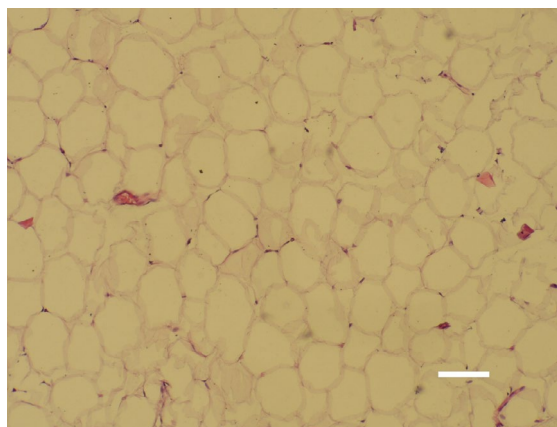
1. Aesthetic Clinic Beauty, Sofia, BG

Source: U.S. Food and Drug Administration. 510(k) Premarket Notification: K192224. Published online December 5, 2019.

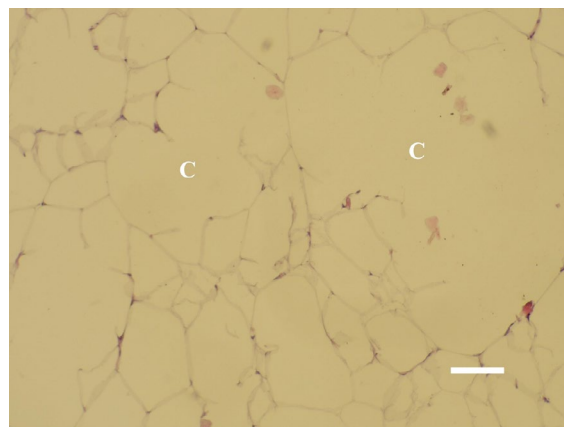
HIGHLIGHTS

- Intensive fat cell disruption peaking at 20 days post-treatment.
 - Non-invasive lipolysis seen in the first 10 days post-treatment.
 - Investigated device was found to be effective for **elimination of fat cells**.
 - **No damage** to skin, sweat glands and sebaceous glands was observed, ensuring procedural safety.
 - **Deformed nucleus** and pyknotic nucleus indicating **cell death**.
-

BASELINE



20 DAYS AFTER



Normal subcutaneous tissue morphology with typical uniform size of adipocytes at the left; bar = 40 micrometers. Intensive fat cell disruption (C) and alternation of adipocytes shape 20 days post-treatment at the right; bar = 30 micrometers.