

# THE THERAPEUTIC TEMPERATURE IN THE DEEP TISSUE: ADJUSTABLE COOLING ALLOWS EFFECTIVE HEATING IN THE FAT LAYER

## A FOCUSED MONOPOLAR RADIOFREQUENCY CAUSES APOPTOSIS: A PORCINE MODEL

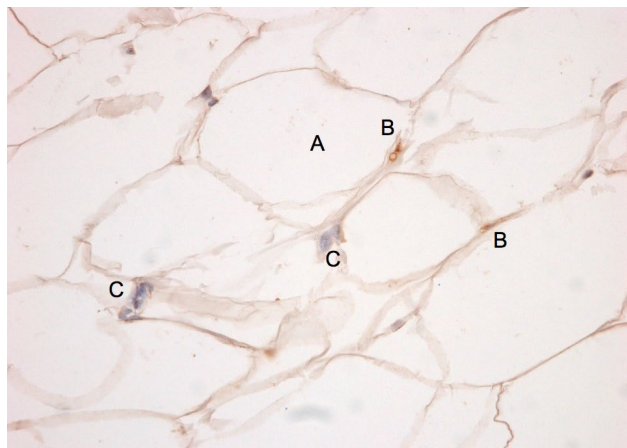
David McDaniel M.D.,<sup>1</sup> Klaus Fritz, M.D.,<sup>2,3</sup> Alena Machovcova MD PhD MBA,<sup>4,5</sup>  
and Jan Bernardy PhD<sup>6</sup>

1. McDaniel Institute of Anti-Aging Research, Virginia Beach, VA; 2. Dermatology and Laser Centers Landau, Germany  
3. University of Osnabrück - Department of Health Sciences; 4. University Hospital Motol, Department of Dermatology and Venereology, Prague, Czech Republic; 5. Department of Occupational Medicine, 1st Faculty of Medicine at Charles University, Prague, Czech Republic; 6. Veterinary Research Institute, Brno, Czech Republic

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### HIGHLIGHTS

- A unique veterinary apoptosis study on Vietnamese pigs proving terminal **killing of fat cells**.
- Temperature probes evidenced fat tissue temperature increase to **42-46°C** during the treatments while maintaining safe skin temperature.
- Histological analysis of biopsies using TUNEL method proved apoptotic index increase from average of **7%** (before the first treatment) to an average of **53.4%**, **39.6%**, **40.2%** and **44.7%** respectively after each of the 4 treatments.
- Histopathological examination demonstrated complete safety.



Adipocyte (A) apoptotic nucleus is stained brown (B), other nuclei are blue (C) (400x).