

# HISTOLOGICAL STUDY: THE INCREASE OF THE COLLAGEN CONTENT IN THE TISSUE

## EFFICACY OF MONOPOLAR RADIOFREQUENCY ON SKIN COLLAGEN REMODELING: A VETERINARY STUDY.

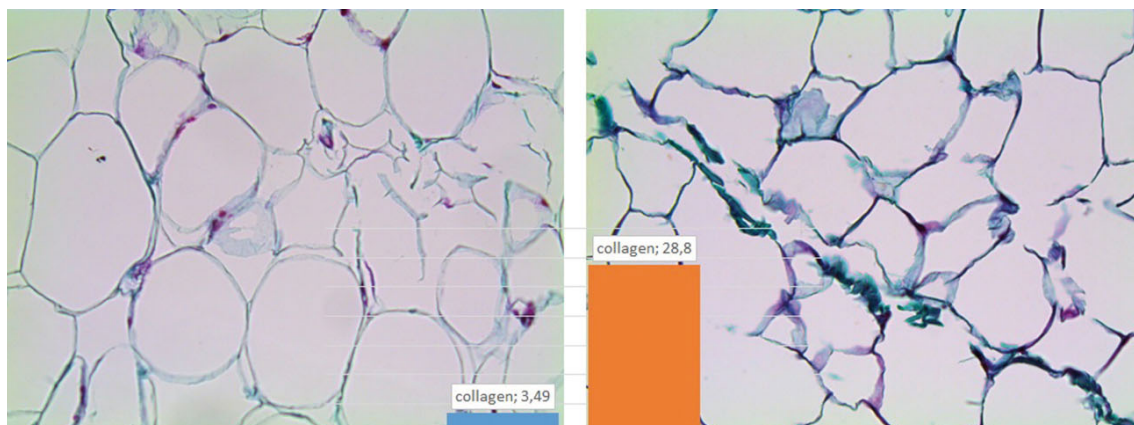
Klaus Fritz<sup>1</sup>, Jan Bernardy<sup>2</sup>, George Sonn Tiplica<sup>3</sup> & Alena Machovcova<sup>4</sup>

1. Dermatology and Laser Center, Landau, Germany, Universität Osnabrück, Kosmetologie und Gesundheitswissenschaften Department (Leiter Prof. Dr John), Osnabrück, Germany; 2. Veterinary Research Institute, Brno, Czech Republic; 3. Dermatology Department, University Carol Davila, Bucharest, Romania; 4. Dermatology and Venereology, University Hospital Motol, Prague, Czech Republic

### HIGHLIGHTS

- Biopsies taken before the treatment and at 3-month follow-up.
- Stereological analysis using the trichome method.
- Increase in collagen content in the treated tissue on average from 9.03 % to 25.89 %.
- The trial proves significant neocollagenesis and collagen remodeling as direct effect of the treatment.

Results of stereological analysis.



3,49%, before treatment

28,8%, after full treatment