

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

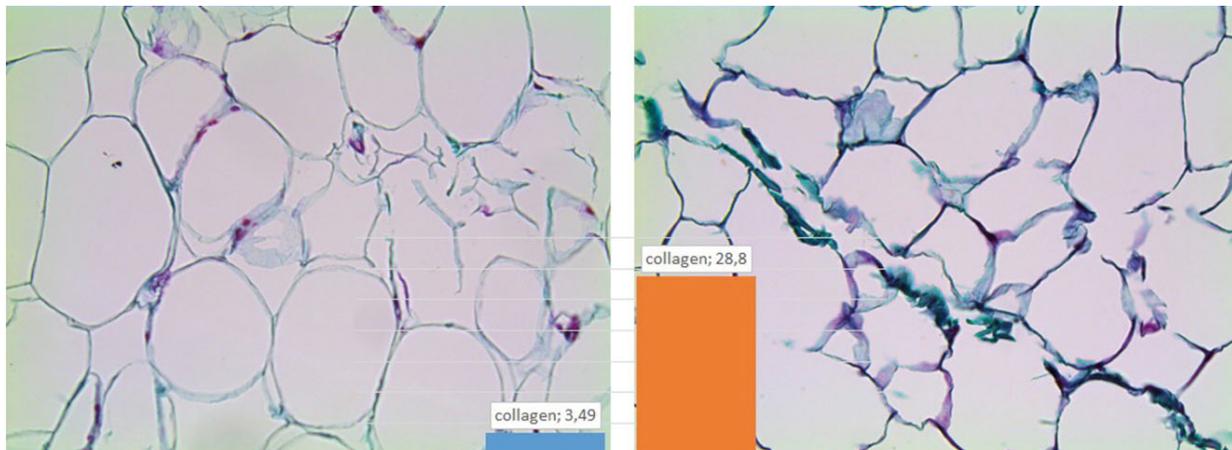
May-June 2015 | doi: 10.1111/dth.12195. | Epub 2015 Jan 30.
 Fritz K, Bernardy J, Tiplica GS, Machovcova A.
 Dermatol Ther. 2015 May-Jun;28(3):122-5.

HIGHLIGHTS

- Peer reviewed study **proving** positive **effects of BTL EXILIS SYSTEM™ on skin collagen.**
- **Veterinary model** – animals treated with 4 sessions 1 week apart. **Biopsies taken before the treatment and at 3-month follow-up.**
- Stereological analysis using the trichome method proves **increase in collagen content** in the treated tissue on average **from 9.03 % to 25.89 %.** Untreated control biopsy showed no change in collagen (9.03 % to 9.15 %).
- The trial **proves significant neocollagenesis and collagen remodeling** as direct effect of the treatment.

DERMATOLOGIC THERAPY

Results of stereological analysis.



Pig No. 119 – 3,49%, before treatment (scan 29)

Pig No. 119 – 28,8%, after full treatment (scan 14)

Collagen in treated and untreated skin – changes after treatment				
Variable collagen – treated skin	Samples <i>n</i>	Average (%)	Minimum (%)	Maximum (%)
Before	27	9.0332	3.4965	16.7832
After 3-month follow-up	27	25.8990	10.2564	51.5790
Variable collagen – untreated skin	Samples <i>n</i>	Average (%)	Minimum (%)	Maximum (%)
Before	9	9.0332	3.1536	14.8390
After 3-month follow-up	9	9.1597	2.9664	15.0923

BTL_Exilis_System_CLIN_Derma-1505-6_EN100