

STIMULATION OF COLLAGEN PRODUCTION VIA RF MICRO-NEEDELING

INVESTIGATION OF HISTOLOGICAL CHANGES INDUCED BY A NOVEL FRACTIONAL RADIOFREQUENCY DEVICE FOR SKIN REJUVENATION IN PORCINE SKIN TISSUE

MVDr. J. Bernardy Ph.D.¹

1. Veterinary Research Institute, Brno, CZ

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Highlights

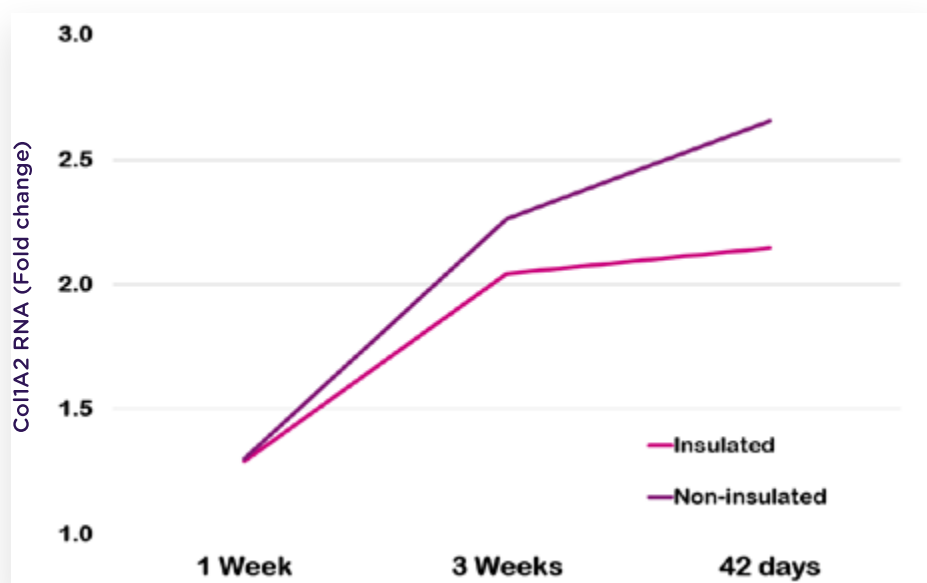
- Three swines were treated (on average 5 years old)
- The goal of this study was to evaluate **effects of insulated and non-insulated needles on skin texture**
- Samples were collected 1 week, 3 weeks, and 42 days post-treatment and evaluated by **PCR assessment of collagenases**
- **Both needle types induced a strong neocollagenesis response**

2.5x

More collagen with
NON-INSULATED tips

2x

More collagen with
INSULATED tips



Change in the skin collagen content following treatment by insulated and non-insulated microneedle tips