

THE STIMULATION OF COLLAGEN & ELASTIN PRODUCTION VIA RF+TUS

MONOPOLAR RADIOFREQUENCY AND TARGETED ULTRASOUND INDUCES REMODELLING OF FIBRILLAR COLLAGEN AND ELASTIN FIBERS: HISTOLOGICAL PORCINE MODEL STUDY

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Highlights

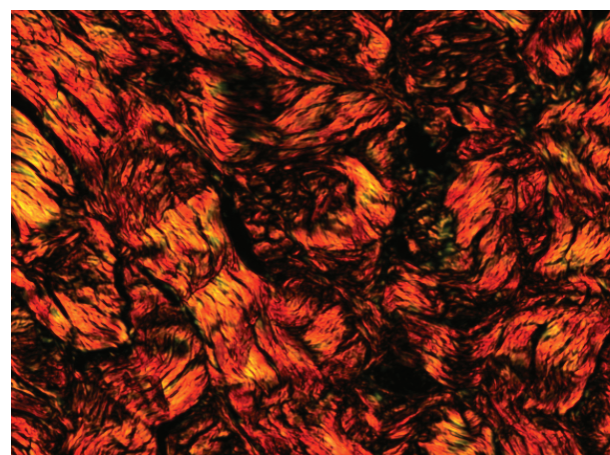
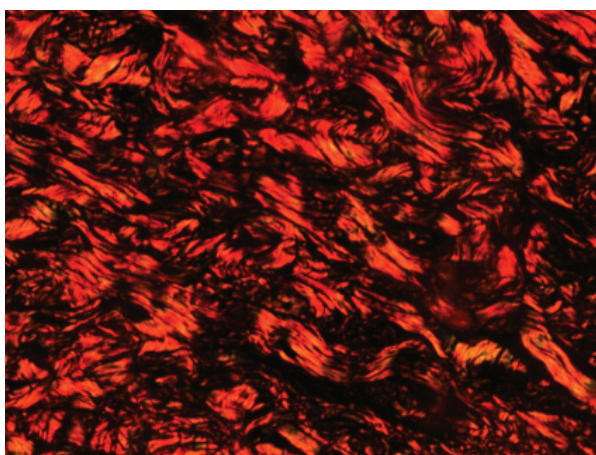
- 5 swines were used in the study
 - One side of the abdomen was treated with **RF+TUS technology**, while the other side served as a control
 - Four treatments were administered, one week apart
- Porcine samples were stained with **Picrosirius red (for collagen)** and **Orcein (for elastin)**, and analyzed under a polarized microscope

47%

More collagen

50%

More elastin



Overall collagen content increase was significantly higher at 3-month follow-up (right) compared to baseline (left)