

# SKIN LAXITY IMPROVEMENT ON THE BODY

## A NOVEL TECHNOLOGY COMBINING RADIOFREQUENCY AND TARGETED ULTRASOUND FOR IMPROVEMENT IN SKIN LAXITY: THE EFFICACY AND SAFETY EVALUATION

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Presented at the American Society for Laser Medicine and Surgery (ASLMS), Phoenix, Arizona, April 13-16, 2023

### Highlights

- 30 subjects (33-73 years) received 4 treatments 7-14 days apart
  - Treatment of **Abdomen or Upper Arms**
- **Evaluation of skin laxity** improvement at 1 month and 3 months post-treatment
- The treatment's efficacy was assessed using the **GAIS evaluation**, and the overall score of 2 indicated a **significant improvement**

85%

Improvement in skin laxity

96%

Satisfaction rate



Improvement in skin laxity on the upper arm of a 60-year-old patient at 3-month follow-up (right) compared to the baseline (left)

# REDUCTION OF LOCALIZED FAT DEPOSITS

## EVALUATION OF THE SAFETY AND EFFICACY OF A TECHNOLOGY COMBINING RADIOFREQUENCY AND TARGETED ULTRASOUND FOR NON-INVASIVE REDUCTION OF LOCALIZED FAT

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### Highlights

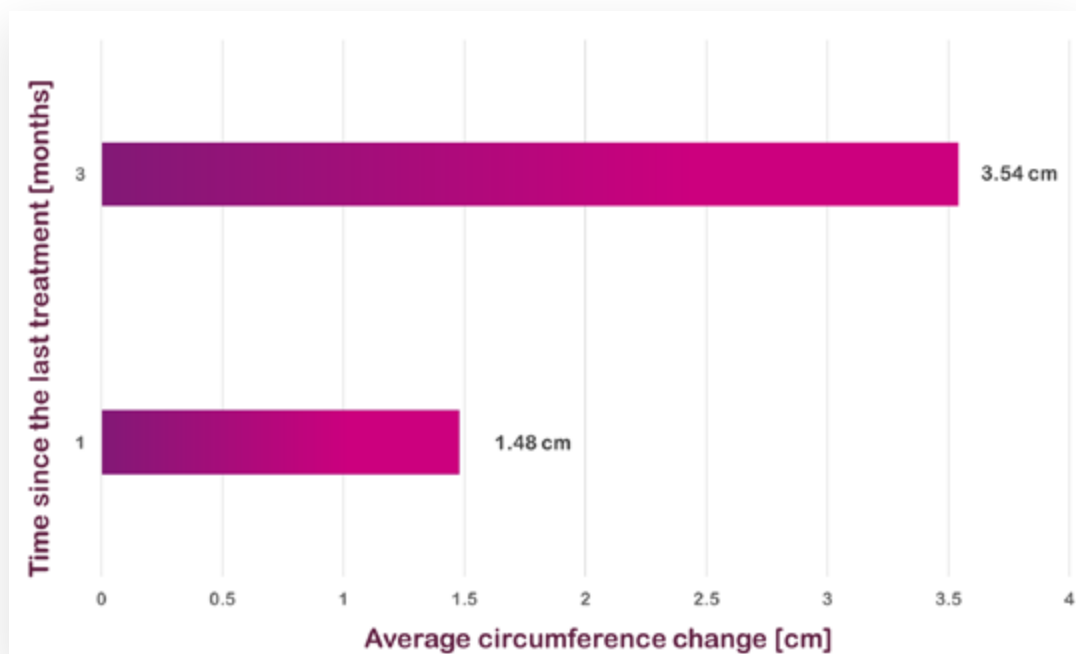
- **67 patients** (59 females, 8 males)
- Patients aged between 21-72 years old (**skin types II-IV**)
- Total of four treatments delivered 7-14 days apart
- **Ultrasound measurements** of fat thickness and **circumference** were taken at 1-month and 3-month follow-up appointments

**22%**

Avarage fat reduction

**94%**

Patient Satisfaction



Average circumference change at 1 month and 3 months after the treatment

# 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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Presented at the American Society for Laser Medicine and Surgery (ASLMS), San Diego, California, 27 April 2022

### Highlights

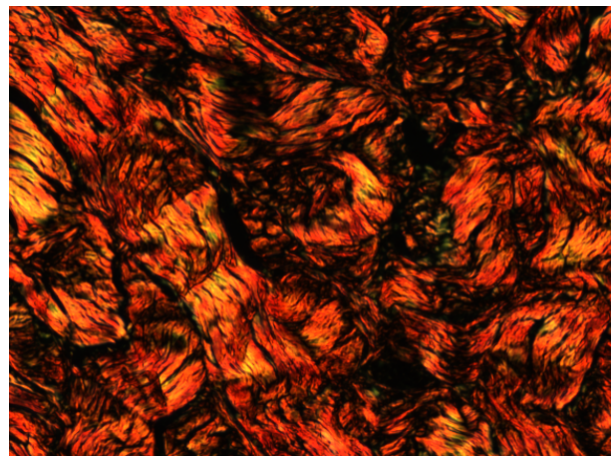
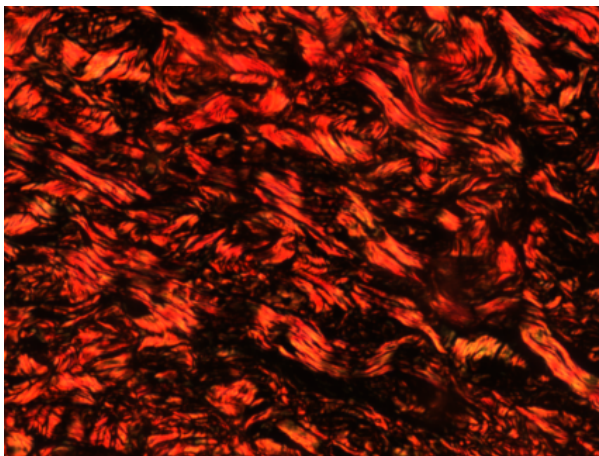
- 5 swines were used in the study
  - One side of the abdomen was treated with **RF+TUS technology**, while the other side served as a control
  - Four treatments were administered, one week apart
- Porcine samples were stained with **Picrosirius red (for collagen)** and **Orcein (for elastin)**, and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

# HUMAN HISTOLOGY: ENHANCED HYALURONIC ACID PRODUCTION

## A NOVEL TECHNOLOGY TO BOOST NATURAL PRODUCTION OF HYALURONIC ACID IN THE SKIN TISSUE: HUMAN HISTOLOGY STUDY

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Presented at the Annual Meeting of the American Society for Laser Medicine and Surgery, 27 April 2022

### Highlights

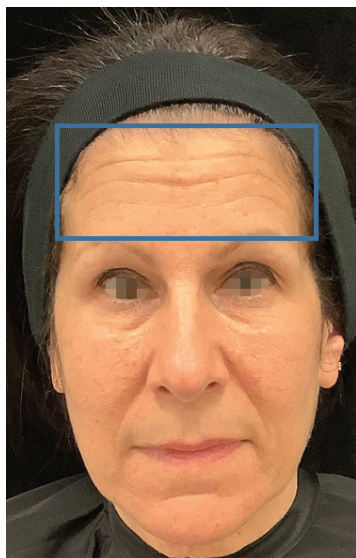
- 7 patients divided into 3 groups received four treatments one week apart
  - Three subjects **(RF alone)**
  - Three subjects **(RF+Targeted Ultrasound)**
  - One control subject
- Biopsy samples were taken for analysis of HA levels by semi-automatic segmentation

**1.67x** HIGHER HA  
DENSITY

In RF+TUS group

**NO** SIGNIFICANT  
CHANGE  
IN HA

In RF only group



Wrinkle improvement in a 59-year-old patient from the RF+TUS group at 3-month follow-up (right) compared to the baseline (left)

# IMPROVED SKIN HYDRATION AND SKIN TEXTURE BY RF+TUS

## THE SIMULTANEOUS APPLICATION OF MONOPOLAR RADIOFREQUENCY AND TARGETED ULTRASOUND FOR IMPROVEMENT OF SKIN HYDRATION AND SKIN TEXTURE

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Presented at the Annual Meeting of the Vegas Cosmetic Surgery, 2022

### Highlights

- **41 subjects** (26-77 years) received four treatments 7-14 days apart
  - Group A: **RF+Targeted Ultrasound (TUS)**
  - Group B: **RF only**
- **3D Skin Analysis & Hydration Measurements** were conducted
- **RF+TUS** group achieved **superior improvement** of skin elasticity compared to **RF only** group
- **95% satisfaction rate** at 3-month follow-up in the RF+TUS group

41%

Improvement in skin texture

23%

Increase in skin hydration



52-year-old patient from the RF+TUS group at baseline (left) and at 3-month follow-up (right)

# ACNE SCARS SMOOTHING AND TEXTURE IMPROVEMENT

## EFFICACY AND SAFETY OF NOVEL AI-CONTROLLED FRACTIONAL RADIOFREQUENCY FOR ACNE SCARS TREATMENT AND SKIN TEXTURE IMPROVEMENT

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1. Precision Skin Institute, Davie, FL, USA, 2. Yael Halaas, MD, New York, NY

Presented at the Annual Meeting of the American Society for Laser Medicine and Surgery, 2022

### Highlights

- 34 patients (30 women, 4 men)
- **3 single-pass FRF treatments**, 7-14 days apart
- All patients attended 1-month and 3-month follow-ups
- The efficacy of the treatment was analyzed using the **GAIS evaluation** as well as **3D skin analysis**

**41%**

**Improvement in acne scars**

**82%**

**Patients reported  
comfortable treatment**



Acne scar improvement on a 26-year-old patient at baseline (left) and 6-month follow-up visit (right)

# 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

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Presented at ODAC Dermatology Conference 2023, Orlando, FL

### Highlights

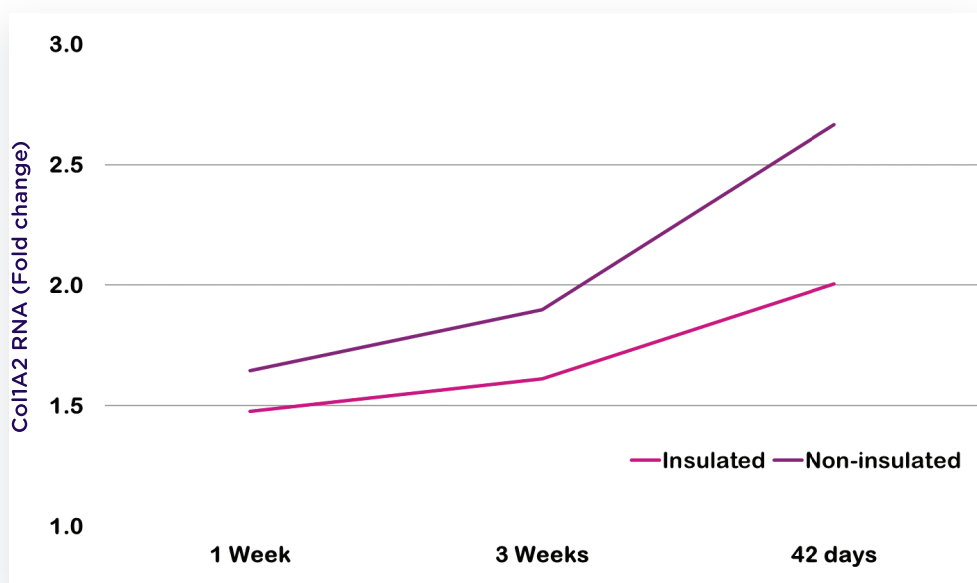
- Three swines were treated (on average 5 years old)
- The goal of this study was to evaluate **effects of insulated and non-insulated needles on skin texture**
- Samples were collected 1 week, 3 weeks, and 42 days post-treatment and evaluated by **PCR assessment of collagenases**
- **Both needle types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

**2.5x**

More collagen with  
**NON-INSULATED tips**

**2x**

More collagen with  
**INSULATED tips**



Increase of Collagen type I after the treatment