

Dostępne techniki:

MMF (modulowany prąd średniej częstotliwości) - stymulacja, elektroporacja (złożone impulsy prądu modulowanego otwierają mikropory umożliwiając wprowadzanie aktywnych składników w głąb skóry).

Fototerapia LED - biostymulacja, poprawa mikrocyrkulacji i metabolizmu komórkowego, stymulacja produkcji kolagenu.

Ultradźwięki 3 MHz (masaż wibracyjny) - lokalny wzrost temperatury tkanek, rozbijanie złożeń, wzrost elastyczności i napięcia skóry, efekt przeciwzapalny.

Sonojonoforeza (ultradźwięki + prąd galwaniczny) - ułatwienie penetracji aktywnych składników przeciwcellulitowych i działających bezpośrednio na tkankę tłuszczową.

Masaż podciśnieniem - oddziaływanie na skórę i podskórną tkankę łączną. Masaż pozwala na wyeliminowanie lokalnie nagromadzonej tkanki tłuszczowej, stymuluje układ krwionośny i limfatyczny, wzmacnia wydalanie zbędnych produktów przemiany materii. Poprawia napięcie i jakość skóry, zwiększa jej elastyczność. Zmniejsza obrzęki, eliminuje nieregularności. Wspomaga leczenie uszkodzeń tkanki łącznej.

PROGRAMY STS

PROGRAM	WSKAZANIA	Wykorzystywane funkcje STS	czas trwania zabiegu	Rekomendowana częstotliwość zabiegów
1	Cellulit miękki	MMF - 20 min NIST (masaż) - 15 min (x2)	50 minut	2-3 razy w tygodniu
2	Cellulit z obrzękami	MMF - 20 min NIST (masaż) - 15 min (x2)	50 minut	2-3 razy w tygodniu
3	Cellulit zwarty	MMF - 20 min US - 7 min (x2) NIST (masaż) - 14 min (x2)	62 minuty	2-3 razy w tygodniu
4	Cellulit mieszany	MMF - 20 min US - 7 min (x2) NIST (masaż) - 15 min (x2)	64 minuty	2-3 razy w tygodniu
5	Drenaż limfatyczny	MMF - 20 min NIST (drenaż) - 11 min (x2)	44 minuty	1 raz w tygodniu
6	Przykurcze/urazy mięśni	US - 8 min (x2) NIST - 11 min (x2)	38 minut	2-3 razy w tygodniu
7	Regeneracja skóry/blizny	US - 8 min (x2) NIST - 11 min (x2)	38 minut	2-3 razy w tygodniu

PROGRAMY ZABIEGOWE MASAŻU PODCIŚNIENIEM

PROGRAM 1. - ŁAGODNY MIĘKKI CELLULIT - 15 minut (na jeden obszar)

PROGRAM 2. - CELLULIT Z OBRZĘKAMI - 15 minut (na jeden obszar)

PROGRAM 3. - TWARDY, ZWARTY CELLULIT - 15 minut (na jeden obszar)

PROGRAM 4. - CELLULIT MIESZANY - 15 minut (na jeden obszar)

PROGRAM 5. - DRENAŻ - 11 minut (na jeden obszar)

PROGRAM 6. - PRZYKURCZE MIĘŚNI - 15 minut (na jeden obszar)

PROGRAM 7. - REGENERACJA SKÓRY (ZWLÓKNIENIA, BLIZNY) - 11 minut (na jeden obszar)

PROGRAMY ZABIEGOWE US (ULTRADŹWIĘKI) + SONOJONOFOREZA

9 programów o różnej intensywności w emisji ciągłej lub pulsacyjnej z możliwością wyłączenia sonojonoforezy

Czas trwania 5-8 minut

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STS

STS - Subdermal Therapy System

Clinical trial

Medical Research Department
SOR Internacional, S.A.

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Introduction

Sorisa STS is a platform for the treatment of cellulite and body volume excess, combining several non-invasive, painless techniques that act at different levels, achieving significant, long-lasting results in silhouette remodelling.

The STS comprises:

- a) Vacuum system to drain liquid retention (Alster and Tanzi, 2005)
- b) 3 MHz Ultrasounds for speeding up tissue drainage (Siems et al. 2005)
- c) Red LEDs for cell activation and drainage (Sasaki et al. 2007)
- d) MMF (modulated medium frequency) currents to activate circulation and enhance product penetration by means of poration (Amat A, Corral-Baqués MI, 2007).

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Material and methods

The study of the STS equipment was performed at 5 collaborating centres at Barcelona, Tarragona and Madrid.

Sample size: 48 patients

Body measurements: To assess the results of the treatments in terms of circumference loss, the silhouettes of the areas treated were measured before and after treatment

Digital photographs: Digital pictures were obtained before and after the treatment for the clinical assessment of the result

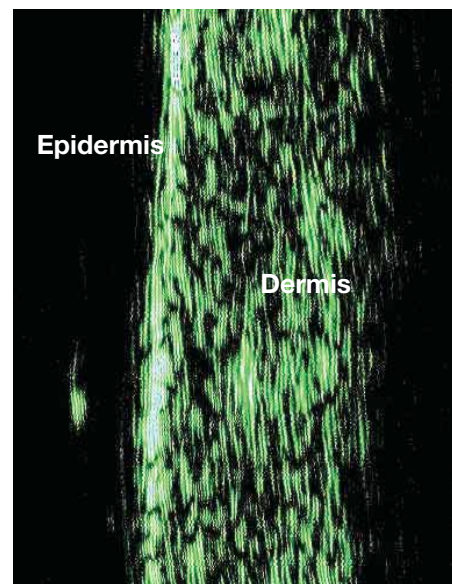


Clinical study



Dermal scanner by 22 MHz ultrasounds (DUB System, from Taberna Pro Medicum, Germany): It analyses the degree of dermal compactation. Compact skin is seen as uniformly green. Skin with dark areas on the scanner image is not very compact and has a lower density. This may be due to a process such as cellulite, which causes accumulations of liquid and fat in the skin.

[H.C. Corting et al. 1999; P. Altmeyer et al. 1991; B. Mole et al. 2004]



Treatment Gel:

In all cases the G5 treatment gel from Sorisa was applied, which contains as most significant components: Laminaria digitata, paullinia cupana, carnitina, ruscus aureolatus, fucus vesiculosus, equisetum arvense, chondrus crispus, arnica montana, potassium iodide, hederia helix, panax ginseng, centella asiatica.

Clinical study

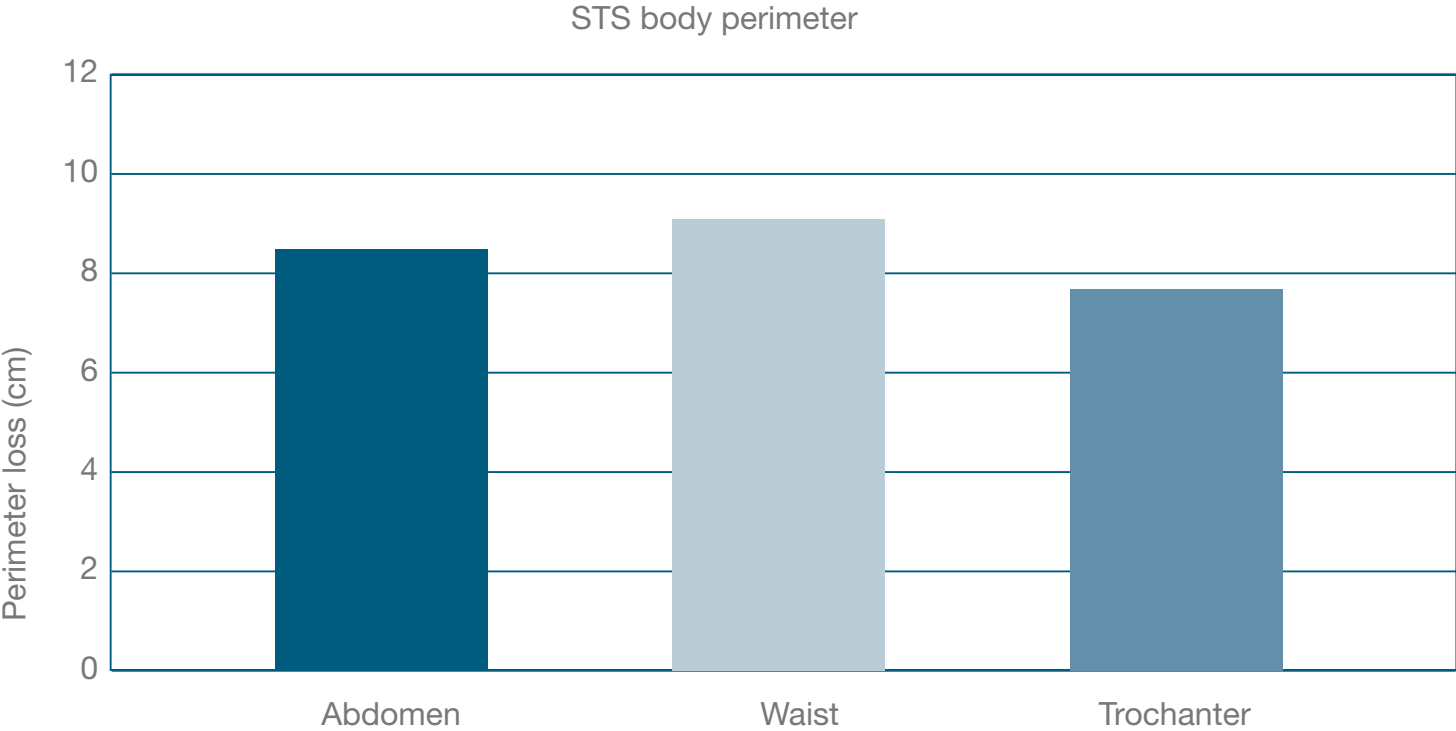
Treatment parameters:

- 1) Programme: the most appropriate cellulite programme for each subject was chosen (compact cellulite, flaccid, edematous, or mixed).
- 2) MFM currents:
 - 20 minutes per area
 - Current percentage: 23-65 %
- 3) Ultrasounds:
 - 7 minutes per area
 - 1-2 W/cm²
 - 3 MHz
- 4) Vacuum:
 - 14 minutes per area
 - Pressure: 145-365 mbar
- 5) Sessions: 2 or 3 sessions/week, depending on the severity of cellulite



Clinical study

Results



Reduction in centimeters of the abdominal perimeter, waist and around the femoral trochanter, after an average of 12 sessions treatment with STS equipment

Results

Photographic assessment





Treatment file
Patient: A 40-year old man
Sessions: 12
Programme: Body remodelling
Mean level of MFM currents: 60%
Vacuum pressure: 180-320 mbar (continuous, pulsed and undulated mode)
Application: Plates in abdomen
Abdominal perimeter -4 cm



Treatment file
Patient: A 46-year old woman
Sessions: 12
Programme: Compact cellulite
Mean level of MFM currents: 42%
Vacuum pressure: 145-260 mbar (continuous, pulsed and undulated mode)
Application: Plates in abdomen, buttocks and thigh
Perimeter of abdomen -11 cm Perimeter of waist -13 cm

Results Photographic assessment

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Treatment file

Patient: A 46-year old woman

Sessions: 12

Programme: Compact cellulite

Mean level of MFM currents: 42%

Vacuum pressure: 145-260 mbar (continuous, pulsed and undulated mode)

Application: Plates in abdomen, buttocks, and thighs.

Perimeter of abdomen -11 cm Perimeter of waist -13 cm



Treatment file

Patient: A 48-year old woman

Sessions: 12

Programme: Mixed cellulite

Mean level of MFM currents: 43%

Vacuum pressure: 180-300 mbar (continuous, pulsed and undulated mode)

Application: Plates in abdomen and buttocks.

Perimeter of abdomen -7 cm Perimeter of waist -7 cm

Clinical study



Treatment file

Patient: A 31-year old woman

Sessions: 12

Programme: Compact cellulite

Mean level of MFM currents: 28%

Vacuum pressure: 150-260 mbar (continuous, pulsed and undulated mode)

Application: Plates in abdomen, legs and buttocks.

Perimeter of abdomen -4 cm Perimeter of waist -7 cm



Treatment file

Patient: A 36-year old woman

Sessions: 12

Programme: Mixed cellulite

Mean level of MFM currents: 63%

Vacuum pressure: 140-290 mbar (continuous, pulsed and undulated mode)

Application: Plates in abdomen, buttocks, and legs.

Perimeter of abdomen -4 cm Perimeter of waist -5 cm

Results Photographic assessment

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Treatment file

Patient: A 36-year old woman

Sessions: 12

Programme: Mixed cellulite

Mean level of MFM currents: 63%

Vacuum pressure: 140-290 mbar (continuous, pulsed and undulated mode)

Application: Plates in abdomen, buttocks, and legs.

Perimeter of abdomen -4 cm Perimeter of waist -5 cm



Treatment file

Patient: A 36-year old woman

Sessions: 12

Programme: Mixed cellulite

Mean level of MFM currents: 63%

Vacuum pressure: 140-290 mbar (continuous, pulsed and undulated mode)

Application: Plates in abdomen, buttocks, and legs.

Perimeter of abdomen -4 cm Perimeter of waist -5 cm

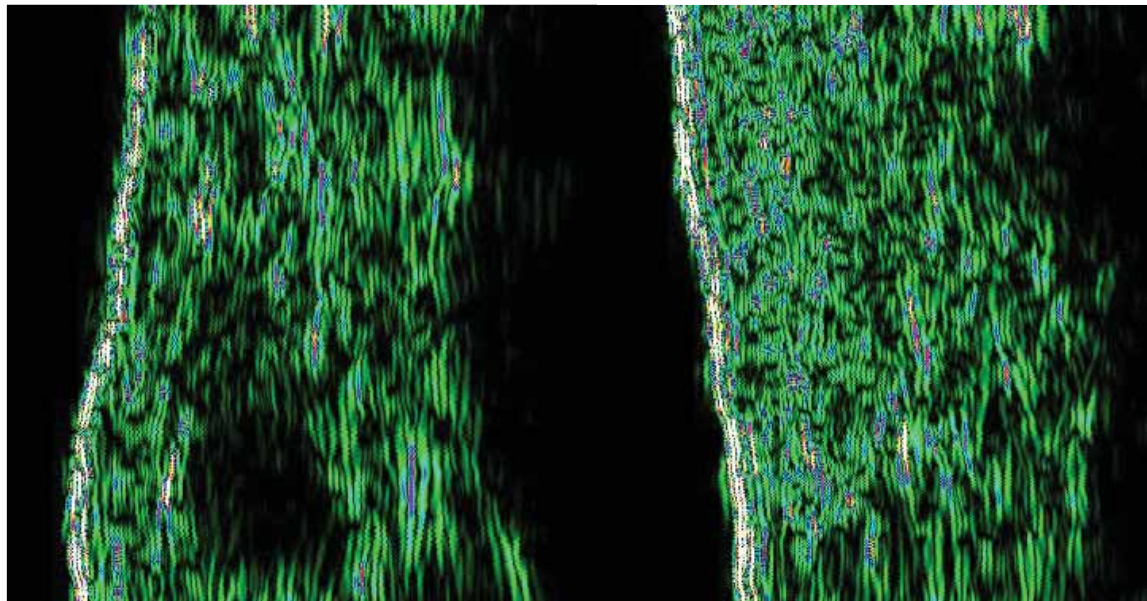
Clinical study

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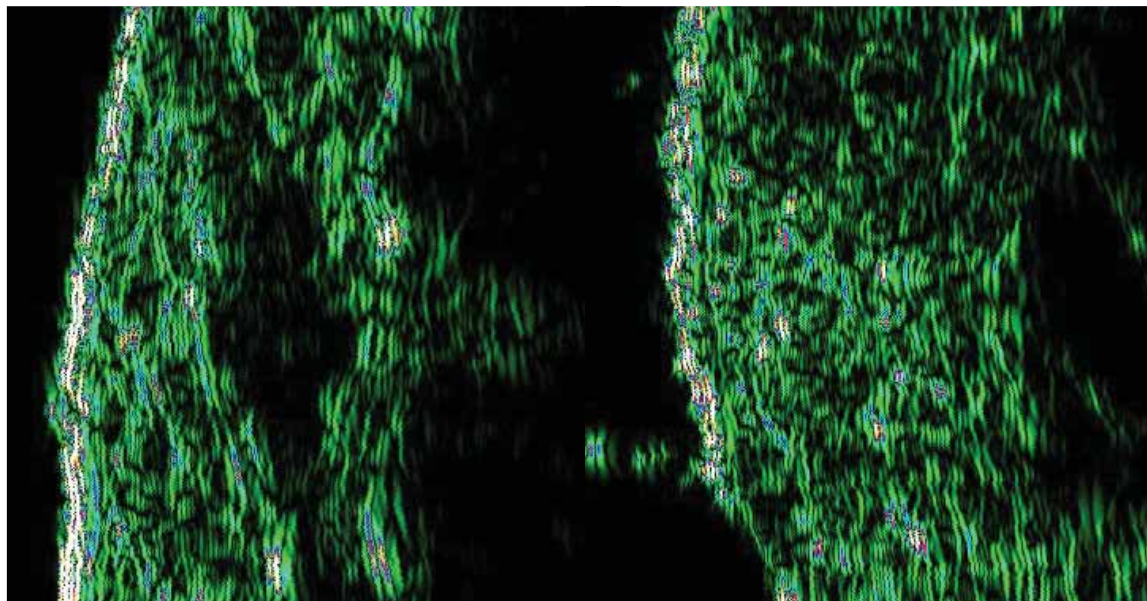


Results
Dermal Scanner 22 MHz





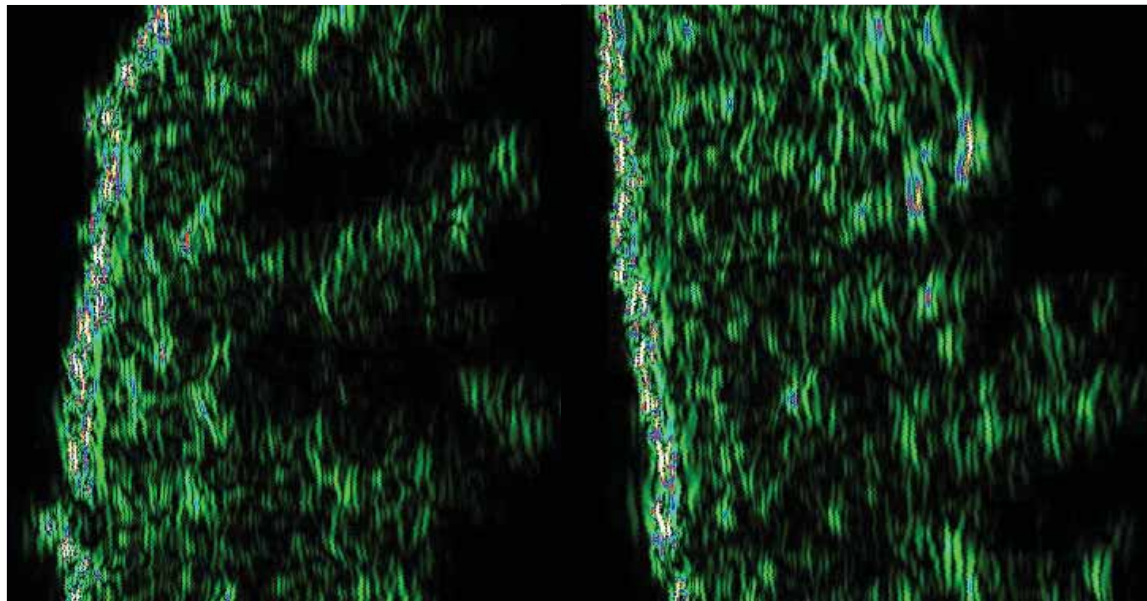
Treatment file
Patient: A 27-year old woman
Sessions: 12
Area: Buttocks



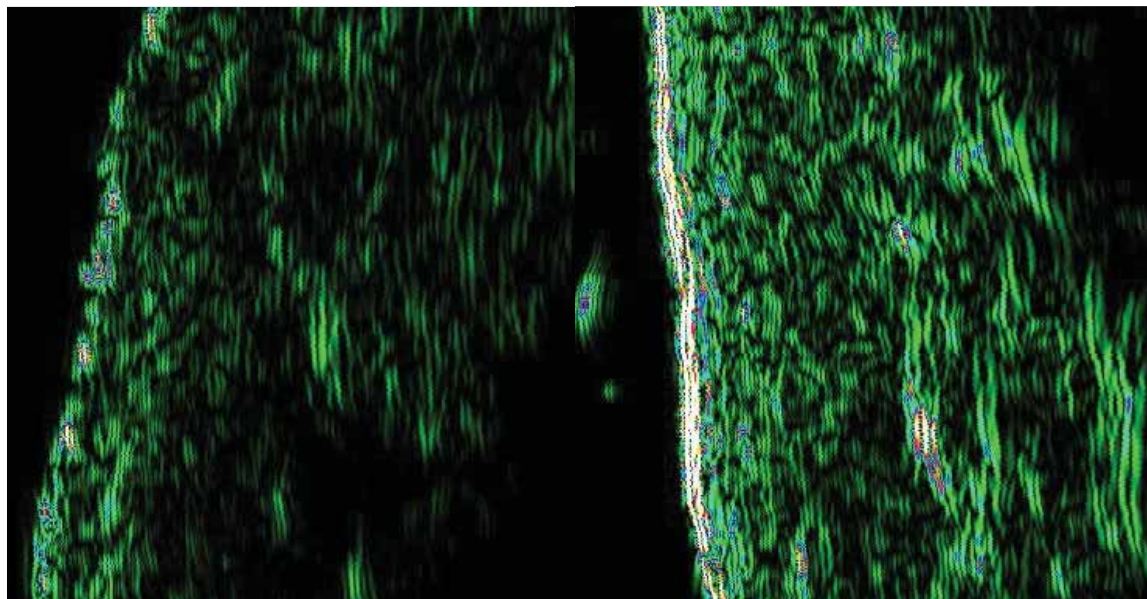
Treatment file
Patient: A 46-year old woman
Sessions: 12
Area: Buttocks

Clinical study

Results Dermal Scanner 22 MHz

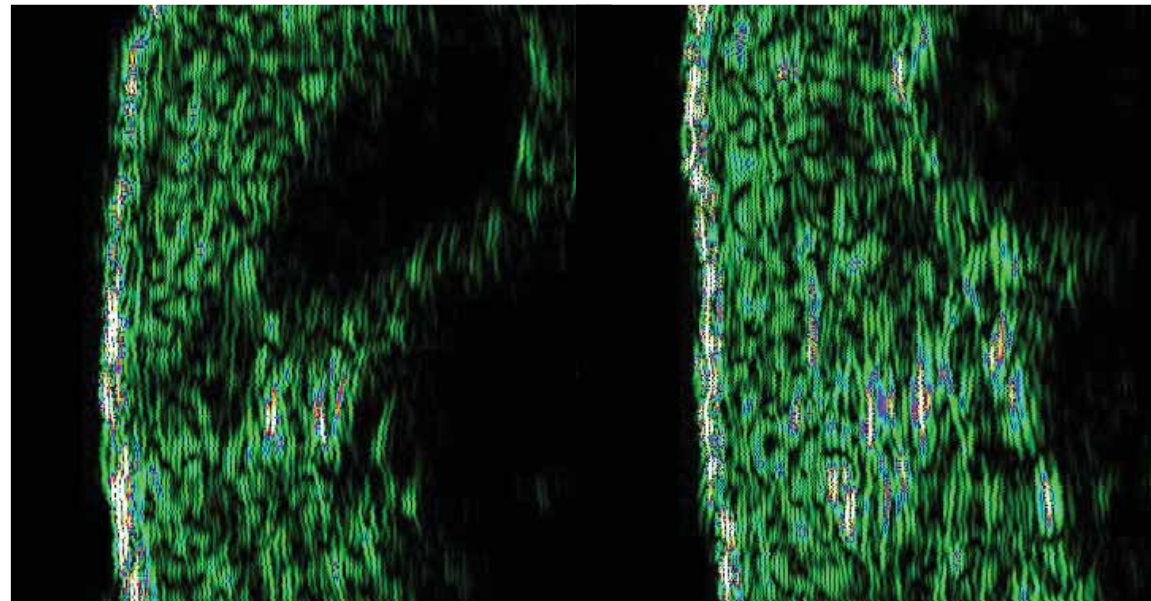


Treatment file
Patient: A 46-year old woman
Sessions: 12
Area: Thigh

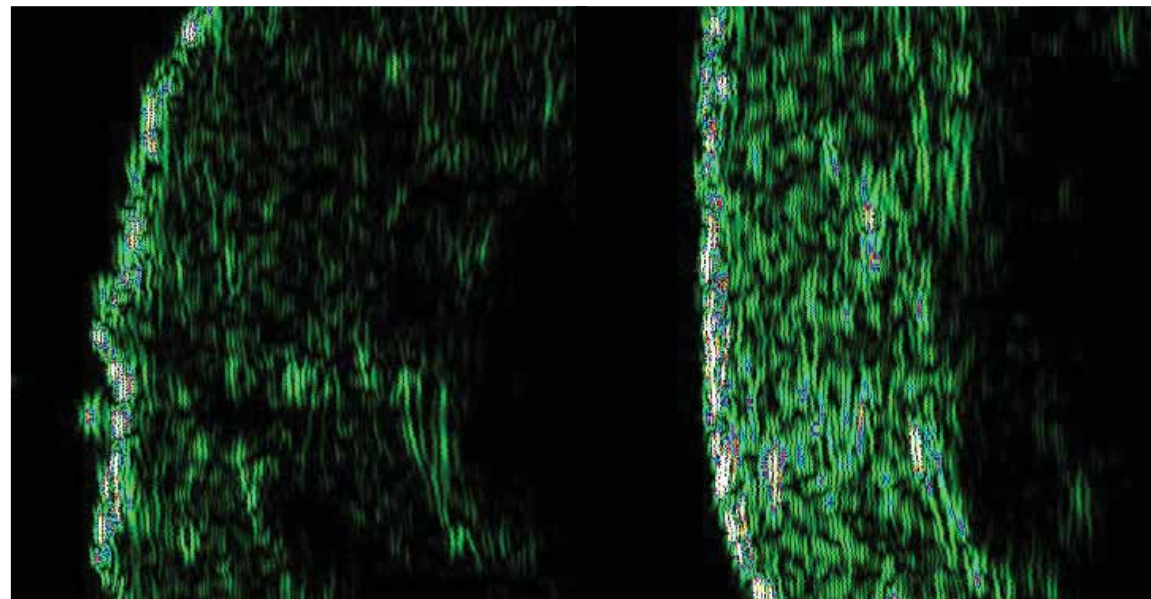


Treatment file
Patient: A 33-year old woman
Sessions: 12
Area: Abdominal

Clinical study



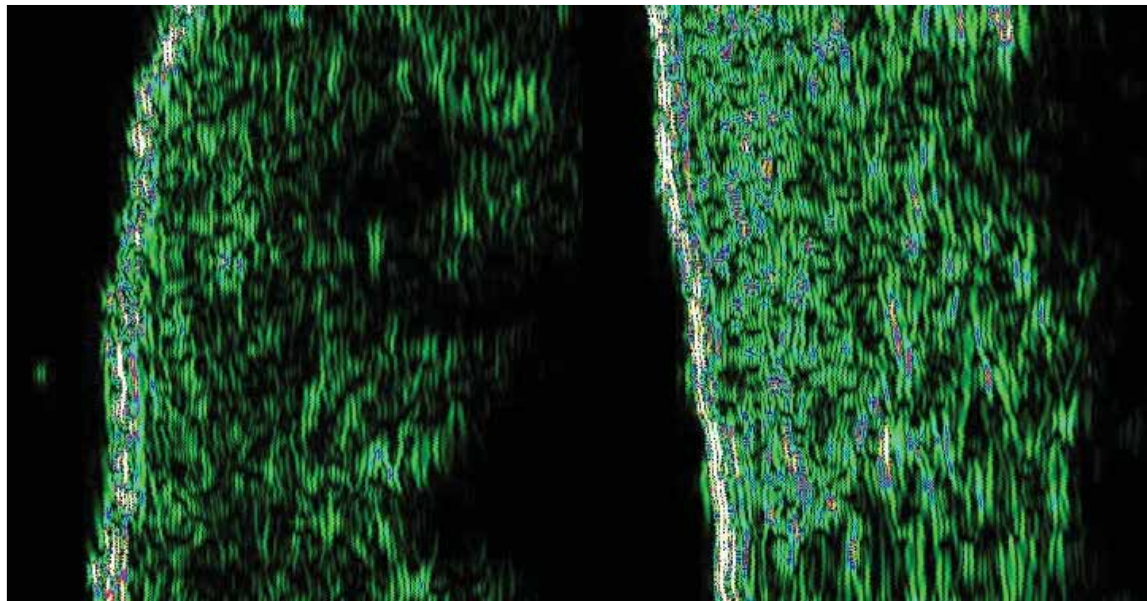
Treatment file
Patient: A 56-year old woman
Sessions: 12
Area: Buttocks



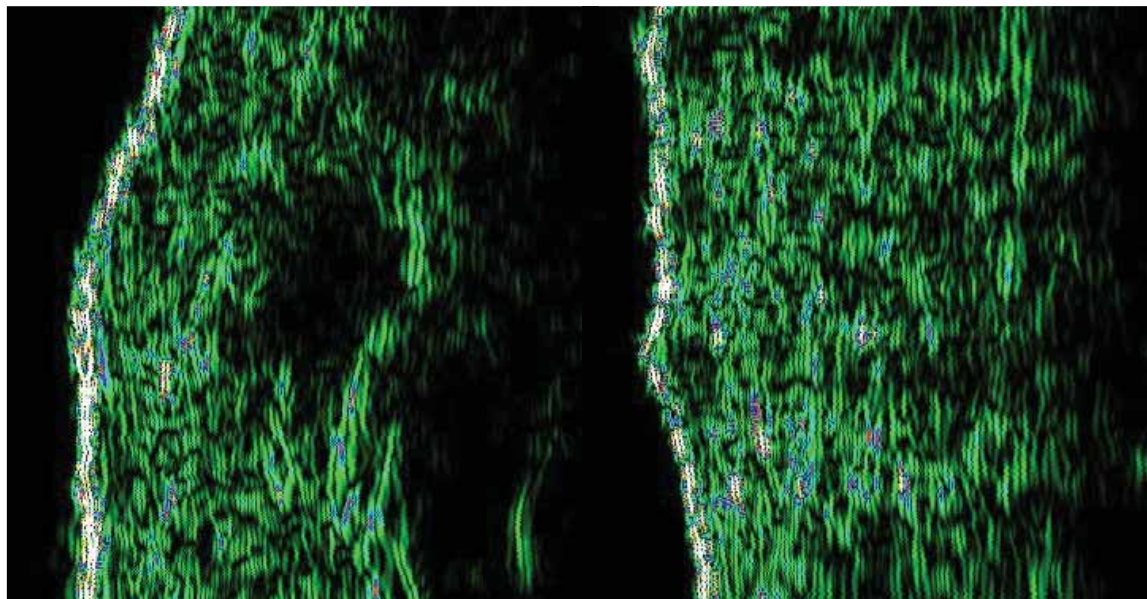
Treatment file
Patient: A 60-year old woman
Sessions: 12
Area: Abdominal

Clinical study

Results Dermal Scanner 22 MHz



Treatment file
Patient: A 36-year old woman
Sessions: 12
Area: Thighs



Treatment file
Patient: A 36-year old woman
Sessions: 12
Area: Buttocks

Clinical study

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Conclusions

- The STS equipment is a combined system of techniques that have been shown to be effective reducing localised cellulite and fat deposit, thus contributing significantly to remodelling body silhouette.
- It is a non-invasive, painless, safe technique that provides results that can be proven over a significantly short time.



Clinical study



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The logo for SORISA, featuring the word "SORISA" in a serif font followed by a stylized graphic of three vertical bars in green and blue.

Sor Internacional, S.A.
Moianès, 13 - Pol. Ind. Can Casablanas
08192 Sant Quirze del Vallès - Barcelona - España
Tel. 93 721 69 20 - Fax 93 721 47 74
e-mail: sorisa@sorisa.com
www.sorisa.com

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