



EMSCULPT[®] neo

The **One** in Body Shaping





COMBINED 30-MIN. TREATMENT

2for1

The Power of Combination

RF & HIFEM+
for Fat & Muscle

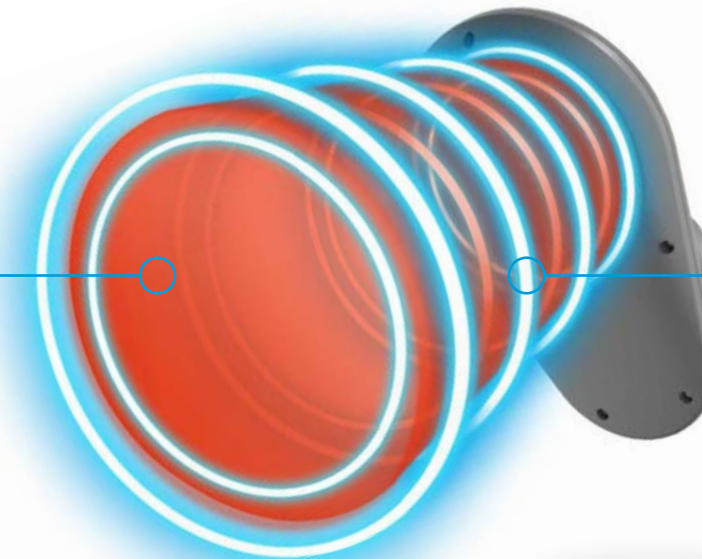
RF

HIFEM+

Two Technologies in One Applicator

SYNCHRONIZED RF

The only patented radiofrequency heating in the world that works simultaneously within a magnetic field.



HIFEM+

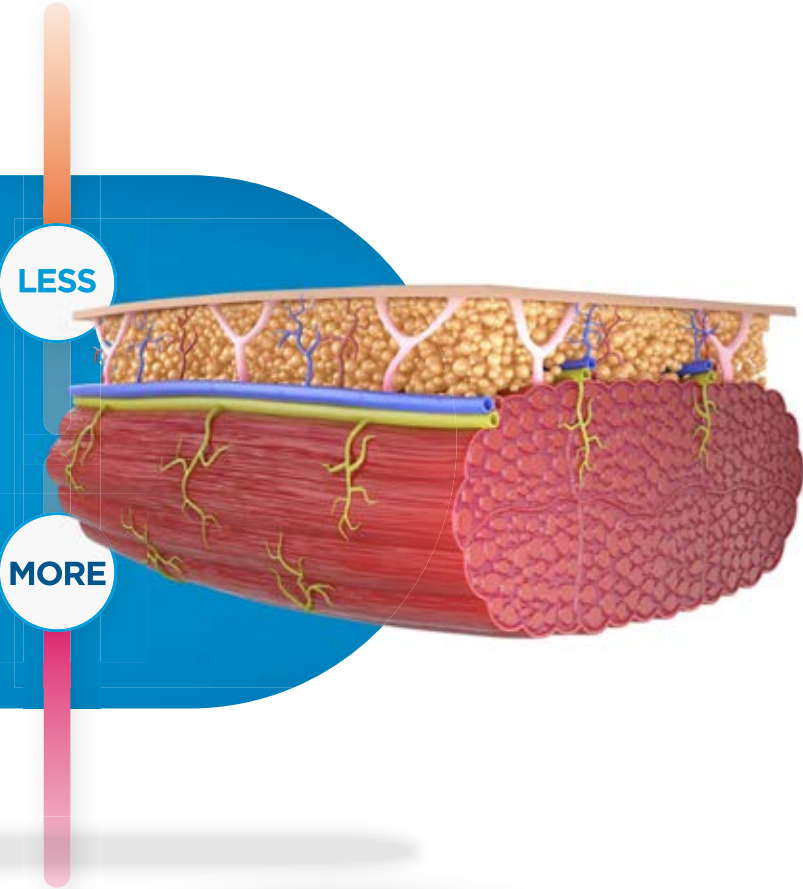
The #1 muscle sculpting technology with newly designed presets now operates simultaneously with RF heating.

EMSCULPT NEO
treats **larger patient**
population with **little**
BMI limitation
(up to 35 BMI).

Broader Patient Appeal

30%
Less Fat¹⁻³
on average

25%
More Muscle^{1,2}
on average



for
MORE
LESS

BEFORE



AFTER **EMSCULPT**^{neo}



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: BTL AESTHETICS

BEFORE

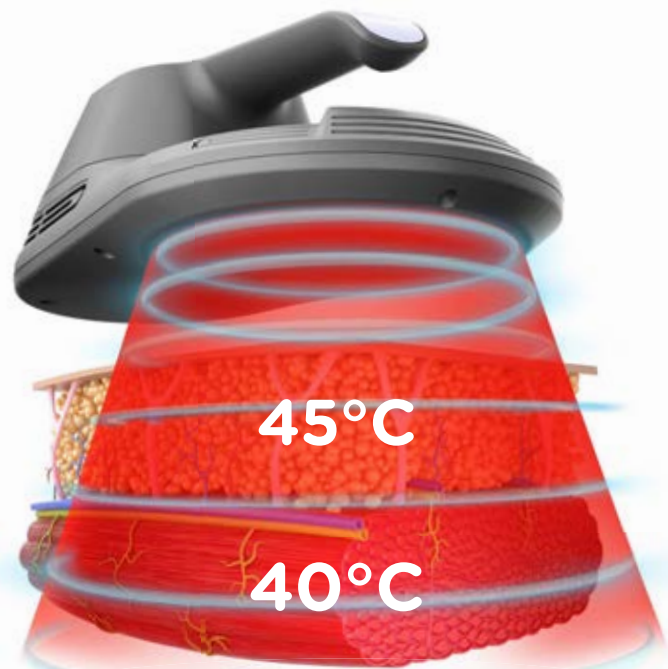


AFTER **EMSCULPT**^{neo}



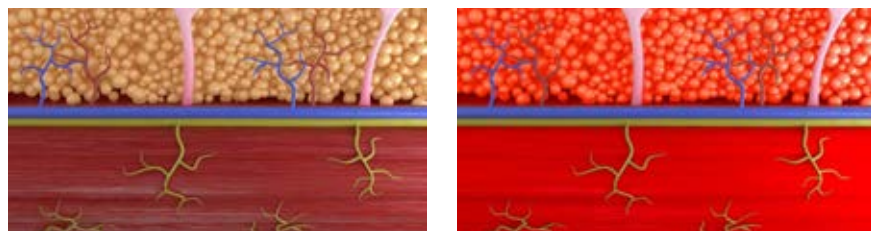
3 MONTHS AFTER THE LAST TREATMENT, COURTESY OF: DAVID KENT, M.D.

Synchronized RF Heating



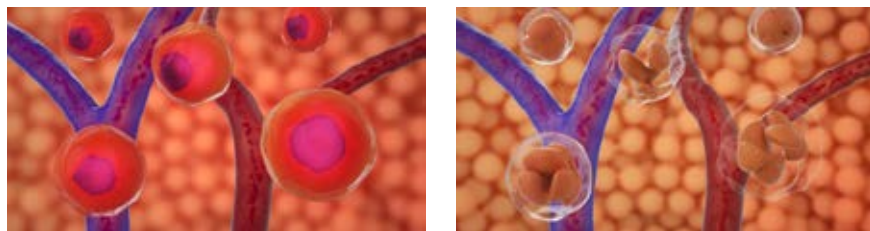
LESS **-30%** Fat
on average¹⁻³

Warm-Up of the Underlying Muscles



Due to the RF heating, EMSCULPT NEO is **the only aesthetic procedure that works out heated muscles**. The muscle **temperature quickly raises** by several degrees. The **muscles are prepared for exposure to stress, similar to what a warm up activity** does before any workout.

Fastest Thermal Effect in the Market



In-vivo measurements showed that apoptotic temperatures in fat are reached **in less than 4 minutes**. This is one of the **shortest time to reach effective temperatures** out of major technologies in the market.*

HIFEM+ Contractions

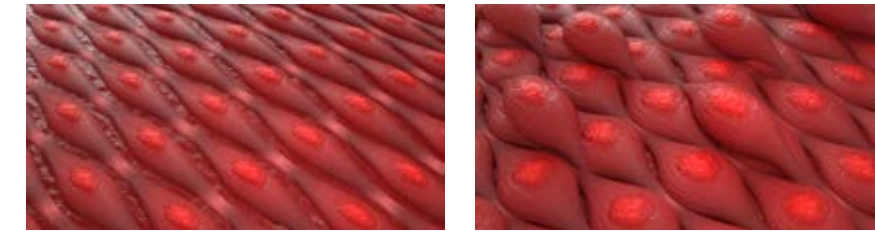
+25% Muscle
on average^{1,2} MORE

Supramaximal Muscle Contractions



Bypassing the brain limitations, **HIFEM+ energy contracts muscle fibers** in the treated area at intensities that are **not achievable during voluntary workout**.

Muscle Building



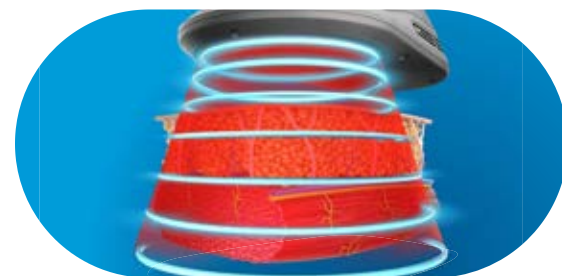
Extreme stress **forces the muscle to adapt**, resulting in **muscle fiber hypertrophy and hyperplasia**⁴. On average the **muscle volume increases by 25%**.



**SYNCHRODE RF™
ELECTRODE**

A unique proprietary electrode made of hundreds of mutually interacting interspaced segments. This makes it the **only RF technology** that is transparent to magnetic fields.

The First of Its Kind



Combining the Impossible

EMSCULPT NEO introduces a patented concept of simultaneous application of RF and HIFEM+. For the first time in the history, radiofrequency and high-intensity magnetic fields are combined in a single applicator.

A Whole New HIFEM+



New Pulse Patterns

Completely new pulse patterns designed to optimise results in muscle building.



More Intense Presets

More pulses deliver even more supramaximal contractions for a better experience.



In Synchrony With RF

To maximize the synergic effects, specific contraction patterns are best matched with the RF energy emission.

Based on long-term experience with the original HIFEM, completely new protocols have been designed and tested on hundreds of clinical study patients.

**HIFEM+
TECHNOLOGY**



Reproducible Results Supported by Clinical Research

7 30

New Clinical Studies

EMSCULPT NEO showed consistency in eliminating fat and building muscle in all latest clinical studies.

More
Than 500
Patients*

Peer-Reviewed HIFEM Publications

More than 30 scientific publications since 2018 make HIFEM the most intensively researched technology used in non-invasive body shaping.

More
Than 30
Investigators*

*Based on all HIFEM studies.

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Fat Reduction and Muscle Increase: Sham Controlled Trial

Julene Samuels M.D., Bruce Katz M.D., Robert Weiss M.D.

STUDY DESIGN

72 subjects (Active group: N=48; Sham group: N=24)
Three 30-minute treatments on abdomen
Evaluation by ultrasound imaging

RESULTS AT 3 MONTHS POST-TREATMENT

28.3%

Reduction in fat thickness
(active group)

24.2%

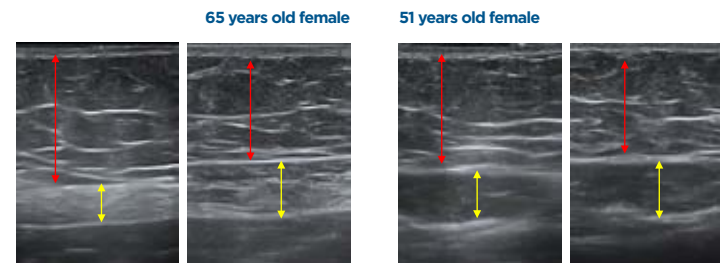
Thickening of the abdominal
muscle (active group)

94%

Patient satisfaction
(active group)

6 months

The results were maintained for up
to 6 months post-treatment



Radiofrequency Heating and HIFEM Delivered Simultaneously - The First Sham-Controlled Randomized Trial. Accepted for publication in Plastic and Reconstructive Surgery journal, 2021

Ultrasound images of patients in active group taken before (left) and after (right) the treatment; fat (red), muscle (yellow).

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Fat Reduction and Muscle Increase: MRI evidence

Carolyn Jacob M.D., David Kent M.D., Omer Ibrahim M.D.

STUDY DESIGN

41 subjects (17 males, 24 females)
Three 30-minute treatments on abdomen
Evaluation by magnetic resonance imaging

RESULTS POST-TREATMENT

30.8%

Reduction in fat thickness
at 3 months

26.1%

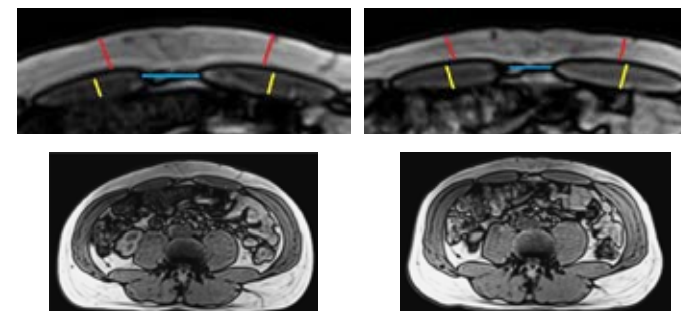
Thickening of the abdominal
muscle at 3 months

6.7 cm

Waist circumference reduction
at 6 months

19.8%

Reduction in abdominal
separation at 6 months



Efficacy and Safety of Simultaneous Application of HIFEM and Radiofrequency for Abdominal Fat Reduction and Muscle Toning. Accepted for publication in Dermatologic Surgery journal, 2021

MRI scans used for measuring the fat and muscle thickness and abdominal separation, taken before (left) and after (right) the treatment.

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Electron Microscopy: Evidence of Fat Disruption

Robert A. Weiss MD FAAD, MVDr Jan Bernardy Ph.D., Prof MVDr Frantisek Tichy CSc.

STUDY DESIGN

7 Large White pigs (approximately 6 months old)
Three 30-minute treatments applied to abdomen
Tissue samples collected over the course of 2 months post-treatment
Evaluation included scanning electron microscopy and histology

RESULTS AT 2 WEEKS POST-TREATMENT

252

The total number of tissue
samples analyzed to document
fat disruption effects.

31.1%

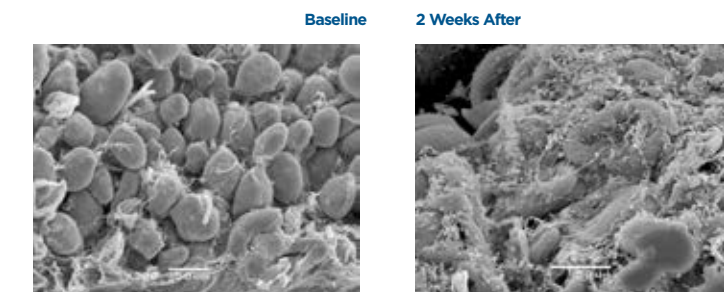
Decrease in adipocyte size

43-45°C

Apoptotic temperatures in fat
proven by in-vivo measurements

Apoptosis

Fat apoptosis documented by
presence of pyknotic nuclei.



Simultaneous Application of HIFEM and Synchronized Radiofrequency for Fat Disruption: Histological and Electron Microscopy Porcine Model Study. Accepted for publication in Dermatologic Surgery journal, 2021

Electron microscopy of fat tissue before and after the intervention.



Activation of Myosatellite Cells Responsible for Muscle Growth

Yael Halaas MD, MVDr. Jan Bernardy Ph.D.,
MVDr. Petra Ondrackova Ph.D., Ivan Dinev DVM, Ph.D., DSc.

STUDY DESIGN

5 Large White pigs (approximately 6 months old)
Three 30-minute treatments applied to abdomenn
Biopsies collected at baseline,
4 days, 2 weeks and 1 month post-treatment

RESULTS

30.2%

Increase in levels of
myosatellite cells

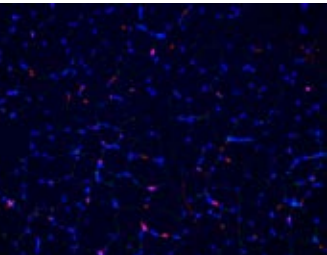
40–41°C

Safe temperature optimal for
enhancement of muscle growth

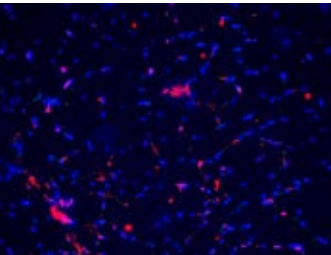
12–16 weeks

The effect of 3 treatments is
comparable with 12-16 week-long
exercise programs*

Baseline



2 Weeks After



Activation of Skeletal Muscle Satellite Cells by a Device Simultaneously Applying High-Intensity Focused Electromagnetic Technology and Novel RF Technology: Fluorescent Microscopy Facilitated Detection of NCAM/CD56. Published in the Aesthetic Surgery Journal, January 2021, DOI: 10.1093/asj/sjab002

Fluorescence microscopy showing an increased expression of myosatellite cells (in red) post treatments.



Deletion of Adipocytes: Human Histological Study

David J. Goldberg, M.D., J.D.

STUDY DESIGN

5 female subjects
Three 30-minutes treatments of abdomen
Histological evaluation and waist circumference measurements

RESULTS

Fat Elimination

Reduction in size and numbers
of fat cells was documented

Results

No changes in control group

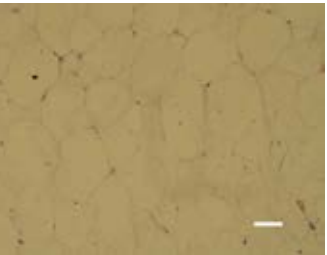
2.2 cm

Waist circumference reduction

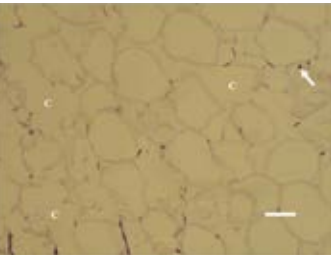
33.5%

Decrease in adipocyte size

Baseline



1 Month After



Deletion of adipocytes induced by a novel device simultaneously delivering synchronized radiofrequency and hifem: Human histological study. Published in the Journal of Cosmetic Dermatology, February 2021, DOI: 10.1111/jocd.13970

Human histology showing disintegration (C) of fat cells as a result of the treatment.



Ultrasound Evaluation of Fat Tissue

Radina Denkova M.D.

STUDY DESIGN

42 subjects (29 females, 13 males)
Three 30-minute treatments on abdomen
Evaluation by ultrasound imaging

RESULTS AT 3 MONTHS POST-TREATMENT

29.8%

Reduction
in fat thickness

3.2 cm

Waist circumference
reduction

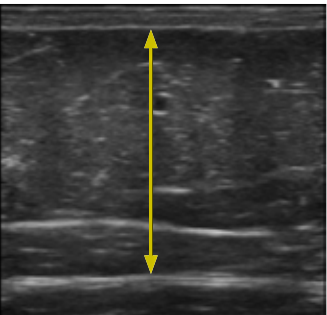
88.1%

Patient
satisfaction

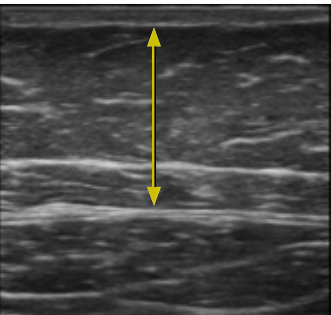
92.9%

Found the treatments
comfortable

Baseline



3 Weeks After



U.S. Food and Drug Administration. 510(k) Premarket Notification: K192224. Published online December 5, 2019. Accessed June 30, 2020. https://www.accessdata.fda.gov/cdrh_docs/pdf19/K192224.pdf

Ultrasound images of patients in active group taken before (left) and after (right) the treatment; fat (yellow).



Histological Evaluation of the Effect on Fat in Humans

Radina Denkova M.D.

STUDY DESIGN

8 subjects
Two 30-minute treatments
Biopsies were collected from the treatment area

THE STUDY RESULTS DOCUMENTED

20 days

Intensive fat cell disruption
peaking at 20 days post-
treatment

10 days

Non-invasive lipolysis seen in the
first 10 days post-treatment

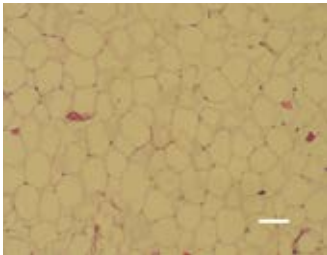
Efficacy

Efficacy in
elimination of fat cells

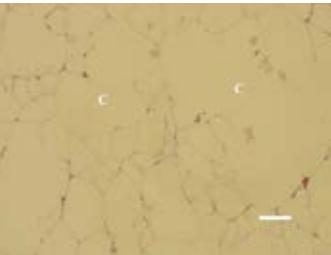
Safety

Procedural safety through no
damage to skin cells nor to sweat
or sebaceous glands

Baseline



20 Days After



U.S. Food and Drug Administration. 510(k) Premarket Notification: K192224. Published online December 5, 2019. Accessed June 30, 2020. https://www.accessdata.fda.gov/cdrh_docs/pdf19/K192224.pdf

Human histology showing disintegration (C) of fat cells as a result of the treatment.



Abdomen

Buttocks

Inner Thighs

Outer Thighs

Front Thighs

Back Thighs

Biceps

Triceps

Calves



More Applicators & Body Parts

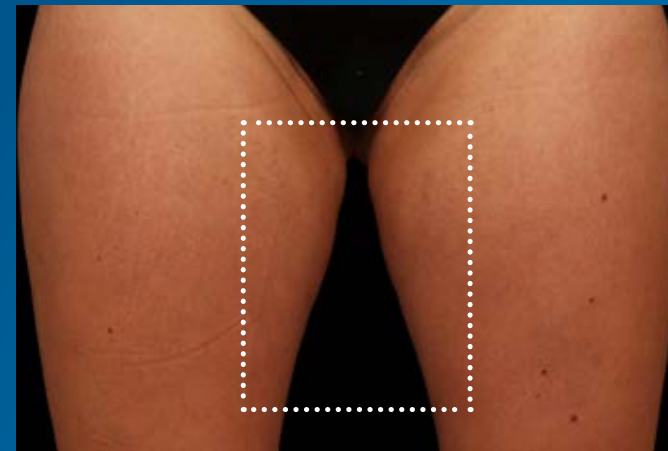


Plug-n-play Applicators

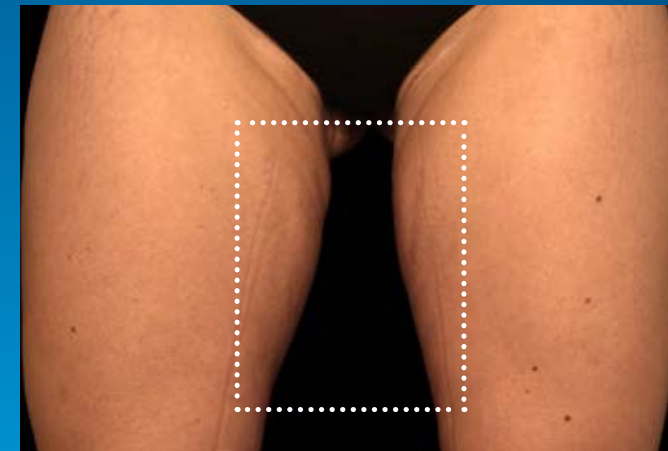
EMSCULPT NEO's plug-n-play applicators **allow you to treat multiple areas** of interest in both women and men. Applicators with bigger spot size **address larger areas**, whereas smaller-sized applicators are the perfect fit for **smaller and curved body parts**.

MORE
for
LESS

BEFORE



AFTER **EMSCULPT**^{neo}



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: DIANE DUNCAN, M.D.

BEFORE



AFTER **EMSCULPT**^{neo}



IMMEDIATELY AFTER THE LAST TREATMENT, COURTESY OF: MELANIE PALM, M.D.

Results and patient experience may vary.

Great Patient Results

DID YOU KNOW?

The abdomen is the #1 area patients wish they could sculpt and build muscle.*

More Muscle Less Fat



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: DAVID KENT, M.D.



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: DAVID KENT, M.D.



3 MONTHS AFTER THE LAST TREATMENT, COURTESY OF: BRUCE E. KATZ, M.D.



6 MONTHS AFTER THE LAST TREATMENT, COURTESY OF: JULENE SAMUELS, M.D.



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: Yael HALAAS, M.D.



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: BRIAN KINNEY, M.D.

MORE for LESS

MORE for LESS

More Lift Less Time

BEFORE



IMMEDIATELY AFTER THE LAST TREATMENT, COURTESY OF: KLAUS HOFFMANN, M.D.

AFTER **EMSCULPT**



BEFORE



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: BTL AESTHETICS

AFTER **EMSCULPT**

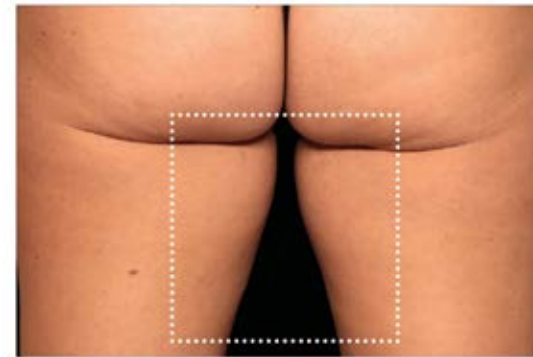


84% women say "I appreciate a firm butt and toned, sculpted thighs over being twiggy".*

61% of women say "I used to think looking strong was not feminine, now I feel empowered when I am strong".*

MORE for LESS

BEFORE



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: DIANE DUNCAN, M.D.

AFTER **EMSCULPT**



BEFORE



1 MONTH AFTER THE LAST TREATMENT, COURTESY OF: DIANE DUNCAN, M.D.

AFTER **EMSCULPT**



MORE for LESS

BEFORE



2 WEEKS AFTER THE LAST TREATMENT, COURTESY OF: SUH ESTHETICS

AFTER **EMSCULPT**



BEFORE



4 WEEKS AFTER THE LAST TREATMENT, COURTESY OF: RAMINDER SALUJA, M.D.

AFTER **EMSCULPT**



More Definition Less Commitment

Listen To Your Peers

EMSCULPT
neo®



Julene B. Samuels, M.D.
Plastic Surgeon
Louisville
Kentucky

“EMSCULPT NEO adds a revolutionary type of RF to HIFEM, resulting in even more fat reduction and increased muscle growth, hyperplasia, and stronger thicker muscle fibers. You can treat patients with lower as well as higher BMI. This is one of those devices I call a Holy Grail device. It can address both stubborn fat and muscle growth at the same time.”



Bruce Katz, M.D.
Dermatologist
New York City
New York

“Bringing the next generation EMSCULPT NEO makes total sense. Think about it! It is operator independent, takes half the time, patients don’t have to go first for fat treatment, and then again for muscle treatments. It does everything in the 30-minute session, which makes it is more cost and time effective. And the most important thing, patients don’t have to wait for months to feel a difference.”



Robert Weiss, M.D., FAAD, F.A.C.Ph
Dermatologist
Baltimore
Maryland

“In the past, we would use separate devices for fat reduction and muscle contouring. EMSCULPT NEO does both through the same applicator and at the same time. It is the only device that combines two technologies for fat and muscle contour, even for higher BMI patients. It’s pretty amazing.”



David J. Goldberg, M.D., J.D.
Dermatologist
New York City
New York

“EMSCULPT NEO is the first medical device eliminating fat and enhancing muscle tone simultaneously. This is something almost every patient wants. It is less time consuming and offers more bang for the buck - with better results. This is the next dimension in body contouring.”



Carolyn Jacob, M.D., FAAD
Dermatologist
Chicago
Illinois

“There was a rapid, very measurable, noticeable reduction in fat with an increase in muscle thickness. These changes are much better than what we would get with any standalone device. EMSCULPT NEO is indeed best in market fat reduction and muscle building device combined together.”



Live the Experience

EMSCULPT neo®



David E. Kent, M.D.
Dermatologist
Macon
Georgia

“With EMSCULPT NEO, when you look at fat reduction, we see a 30% reduction on average in the fat layer. On the other hand, we see around 25% improvement in the muscles. This is over and above what you would normally see with other devices for both fat and muscle. EMSCULPT NEO is one plus one equals four.”



Brian M. Kinney, M.D.
Plastic Surgeon
Los Angeles
California

“Apart from the highest fat reduction, due to a combination of the two technologies, HIFEM works out your muscles while the radiofrequency heats up the tissue for even better results. It is more comfortable due to heat and easily affordable for the patients. My patients love it.”



Yael Halaas, M.D.
Facial Plastic Surgeon
New York City
New York

“EMSCULPT NEO is yet another revolutionary device. Treatment time is the same as original Emsculpt but with dramatic results on the fat and the ability to treat a much wider range of patients up to BMI 35.”



Richard Goldfarb, MD, FACS
Cosmetic Surgeon
Langhorne
Pennsylvania

“We are seeing a better muscle development than we did with original EMSCULPT, but we are seeing a significant amount of fat being disrupted in the subcutaneous region as well. I have not seen anything like EMSCULPT NEO before.”



Melanie Palm, M.D.
Dermatologist
Solana Beach
California

“Another unique feature about this technology is that not only it treats large areas, but if you have a slimmer patient with protruded pouches of fat, you can spot treat them while making those muscles toned and stronger underneath.”





Please be aware that some of the information / intended uses / configurations / accessories mentioned here are not available in your country. For more information contact your local distributor. Results and patient experience may vary. As with any medical procedure, ask your doctor if the EMSculpt NEO® procedure is right for you. In the EU EMSculpt NEO® is intended for treatment of obesity by fat reduction through neuromuscular stimulation, radiofrequency induced lipolysis and increase of the blood flow. ©2021 BTL Group of Companies. All rights reserved. BTL®, EMSculpt NEO® and EMSculpt® are registered trademarks in the United States of America, the European Union, or other countries. The products, the methods of manufacture or the use may be subject to one or more U.S. or foreign patents or pending applications. Trademarks EMSculpt®, EMSculpt NEO®, Emsella®, Emtone®, Embody®, and HIFEM® are parts of EM™ Family of products. *Data on file.

¹Abdominal toning and reduction of subcutaneous fat with combination of novel radiofrequency treatment and HIFEM procedure - MRI scan study. Jacob C. et al. Presented at ASDS 2020 Virtual Meeting.

²Radiofrequency heating and HIFEM delivered simultaneously - the first sham-controlled randomized trial. Katz B. et al. Presented at ASDS 2020 Virtual Meeting.

³Ultrasound evaluation of the simultaneous RF and HIFEM treatments on human fat tissue. Denkova R. Source: U.S. Food and Drug Administration. 510(k) Premarket Notification: K192224. Published online on December 5, 2019.

⁴Halaas Y, Duncan D, Bernardy J, Ondrackova P, Dinev I. Activation of Skeletal Muscle Satellite Cells by a Device Simultaneously Applying High-Intensity Focused Electromagnetic Technology and Novel RF Technology: Fluorescent Microscopy Facilitated Detection of NCAM/CD56. Aesthet Surg J. 2021.

