

Dual Trend Srl

MADE IN ITALY

DUAL[®] WAVE 4.0

Brochure



DUAL WAVE: 4 LAST GEN. TECHNOLOGIES

4.0 INNOVATION AND EXCLUSIVE FEATURES

EQUIPMENT

BODY TREATMENTS

CELLULITE

LOCALIZED FAT

SCARS AND STRETCH MARKS

FACIAL TREATMENTS

● DUAL WAVE: 4 LAST GEN. TECHNOLOGIES ³

◦ RADIAL SHOCK WAVES – BODY

These are **acoustic waves** that are transmitted to tissues and that propagate in them at different depths, in order to obtain **several benefits** thanks to the thanks to the **restoration of the cellular metabolic system**. This energy is released with certain powers and frequencies, which vary on the basis of treatments to be performed and results to be obtained.

◦ WAVE & VACUUM – BODY

Through an **innovative and exclusive system**, the **Vacuum** effect becomes synergistic with the emission of radial shock waves, by favoring the detachment of tissues in order to allow the energy to be better diffused and to become **more effective**. Vacuum also helps to make treatments pleasant and relaxing.

IDEAL FOR: cellulite treatments, drainage, microcirculation improvement, lipolysis, toning and firming, shaping, improvement of tissue elasticity, reduction of scars, restoration of cellular and metabolic functions.

◦ LIPO-LASER (LLLT) & VACUUM – BODY

The **Lipo-laser energy** acts by penetrating fat and by hitting fat cells. High-power LEDs activate the **non-invasive lipolytic effect**, by also improving the microcirculation and by counteracting **cellulite** as well as **localized adiposity**. The innovative and exclusive integrated **Vacuum** effect it makes possible to reach the deepest layers of fat, and it allows a better adherence of plates.

IDEAL FOR: lipolysis, cellulite treatments, microcirculation improvement.

◦ VIBRATION – BODY AND FACE

Vibrations emitted at certain frequencies and intensities allow to achieve **surprising results both on body and face**. The stimulation allows to restore **cellular and metabolic functions**, by obtaining the toning of tissues and muscles (Botox effect).

IDEAL FOR: face lifting, botox effect, wrinkle reduction, anti-aging, scar reduction, restoration of cellular and metabolic functions.



4.0 INNOVATION AND EXCLUSIVE FEATURES⁴

Improve your Aesthetic Point with Dual Wave 4.0:
the ultimate device with exclusive features to optimize work times and maximize results.

4.0 INNOVATION

◦ Dual Wave is equipped with **4.0 technology**: the device is always connected to the remote server of the manufacturer company (Dual Trend), by transmitting its diagnostic data. This feature makes it possible to considerably reduce unnecessary requests for assistance, and to intervene **in real time** where necessary.

EXCLUSIVE FEATURES

◦ For the first time, **Vacuum** can be used **simultaneously with Radial Shock Waves**: the exclusive handpieces make it possible to take advantage of both functions at the same time, on the same area. The Vacuum effect lifts tissues, by also allowing a **deeper action of Radial Shock Waves**. Furthermore, treatments become even more pleasant.

◦ The **Vacuum** function is also **integrated in Lipo-Laser plates**: this allows a better adherence and **it makes possible to reach the deepest adipose tissues**.

◦ The **UV-C Sanitizing System for tools** is for the first time **integrated into an equipment compartment**. Thanks to this innovation, each tool can benefit from a **fast and effective sanitization**.

◦ The **Self-Sanitizing System of the equipment** takes advantage of both **UV-C LEDs and photocatalysis**, by allowing to work in a safer and more peaceful way. In particular, **this system sanitizes the air ducts of handpieces**, by ensuring the maximum hygiene.

EQUIPMENT

- 10' Touch Screen
- 1 Handpiece for radial shock waves + Vacuum for body treatments
- 1 Vacuum cup for body treatments
- 2 Small Lipo-Laser plates for body treatments
- 2 Large Lipo-Laser plates for body treatments
- 1 Vibration handpiece for body treatments
- 1 Vibration handpiece for face treatments
- Wi-Fi card for connection to the remote server of the manufacturer (4.0 Technology)
- Integrated UV-C Sanitizing system for work tools
- UV-C + Photocatalysis Self-Sanitization System
- Instruction Manual
- Body and Face Treatments Manual
- Power Supply
- Manufacturer's Warranty
- CE Certification



BODY TREATMENTS

Cellulite

1° PROTOCOL: Wave & Vacuum + Vibration

2° PROTOCOL: Lipo-Laser & Vacuum + Vibration

3° PROTOCOL: COMBINED APPROACH

Cellulite reduction

Lymphatic drainage

Tissue elasticity improvement

Tissue and body toning

Body firming

Restoration of cellular and metabolic functions

Localized Fat

1° PROTOCOL: Wave & Vacuum + Vibration

2° PROTOCOL: Lipo-Laser & Vacuum + Vibration

3° PROTOCOL: COMBINED APPROACH

Reduction of localized fat

Body Shaping

Stretch Marks and Scars

1° PROTOCOL: Wave & Vacuum + Vibration

Attenuation of stretch marks and scars



CELLULITE

RADIAL SHOCK WAVES AND LIPO-LASER

● EFFECTIVENESS AGAINST CELLULITE

Studies carried out on **Radial Shock Waves** demonstrate their **undoubted effectiveness in the treatment of cellulite**. In particular, the improvement of microcirculation, tissue elasticity and cellular permeability were highlighted (Christ et. Al, 2008). Research has also shown that in the **post-treatment period**, both the density and firmness of collagen and elastic fibers in the dermis, including the subcutaneous layers, **continue to improve**. (Christ et. al, 2008).

Radial Shock Waves give rise to biological effects that **increase blood circulation and cellular metabolism**, which is why they are particularly effective in the treatment of **cellulite at all stages**, and in the **remodeling of skin collagen** (Kuhn et. Al. 2008). Science clarifies that results are easily visible, especially in the treatment of **advanced cellulite**: in these cases, in fact, the improvement is particularly evident (Schlaudraff et. Al 2014).

Research on **Radial Shock Waves** indicates that **8 treatments** (which can be performed twice a week for 4 weeks) are sufficient to obtain **important results**, with **a significant reduction in cellulite** at each starting stage (Schlaudraff et. Al 2014).

In addition, **for a post-treatment period of 6 months**, the general conditions of the treated areas **continue to improve** and both an increase in tissue elasticity and in the restoration of the lymphatic microcirculation can be noted. Consequently, while the cells restore their metabolism, there **is a further reduction of the blemishes** caused by cellulite (Schlaudraff et. Al 2014).

Lipo-Laser technology **has proved to be effective in the treatment of cellulite** at the most advanced stages - fibrous and sclerotic - as it reactivates the metabolism of adipocytes and it allows the mobilization of lipids, by facilitating their **physiological elimination** (Savoia et al. 2013). Studies indicate that the **reduction in circumferences** are already visible after 6 sessions (Savoia et al. 2013), although at least 10-12 are recommended to maximize results and make them more durable.

Christ C, Brenke R, Sattler G, Siems W, Novak P, Daser A. (2008) Improvement in skin elasticity in the treatment of cellulite and connective tissue weakness by means of extracorporeal pulse activation therapy. In *Aesthetic Surgery Journal*; 28(5): 538-44. DOI: 10.1016/j.asj.2008.07.011. PMID: 19083577

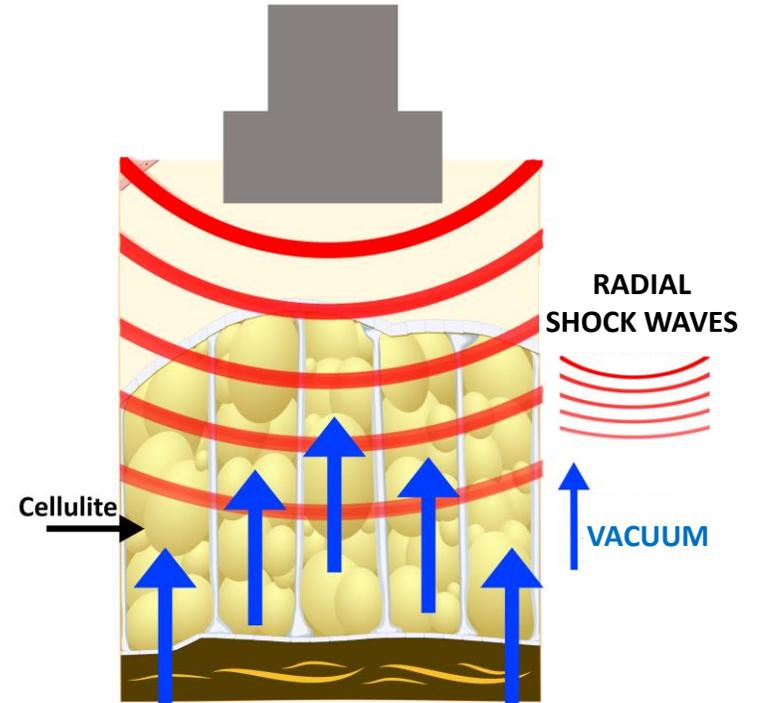
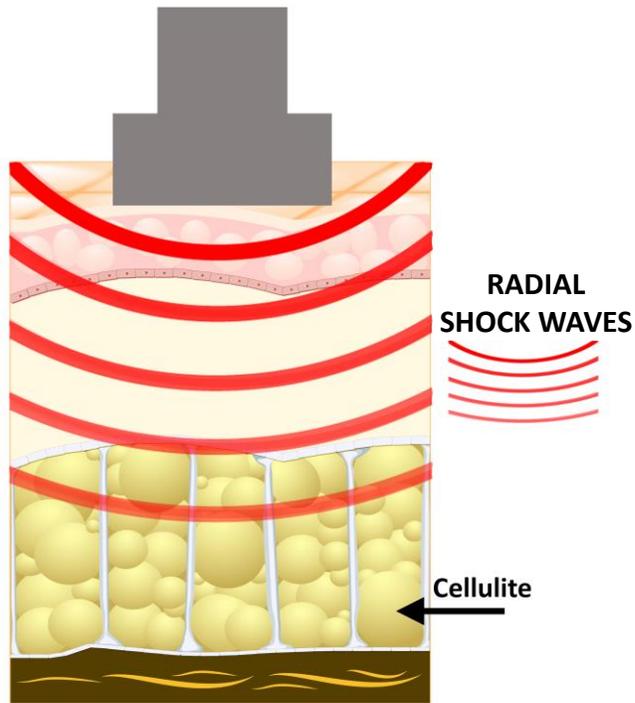
Kuhn, C, Angehrn, F, Sonnabend, O, Voss, A. (2008). Impact of extracorporeal shock waves on the human skin with cellulite: a case study of an unique instance. In *Clinical Interventions in Aging*, 3(1): 201–210. DOI: 10.2147/cia.s2334

Savoia, A, Landi, S, Vannini, F, Baldi, A. (2013) Low-Level Laser Therapy and Vibration Therapy for the Treatment of Localized Adiposity and Fibrous Cellulite. In *Dermatology and Therapy*, 3: 41–52. DOI: 10.1007/s13555-013-0026-x

Schlaudraff, K, Kiessling, M, Császár, N, Schmitz C. (2014) Predictability of the individual clinical outcome of extracorporeal shock wave therapy for cellulite . In *Clinical, Cosmetic and Investigational Dermatology*; 7: 171–183. DOI: 10.2147/CCID.S59851

CELLULITE TREATMENT WITH RADIAL SHOCK WAVES

DUAL WAVE 4.0



TECHNOLOGY: WAVE

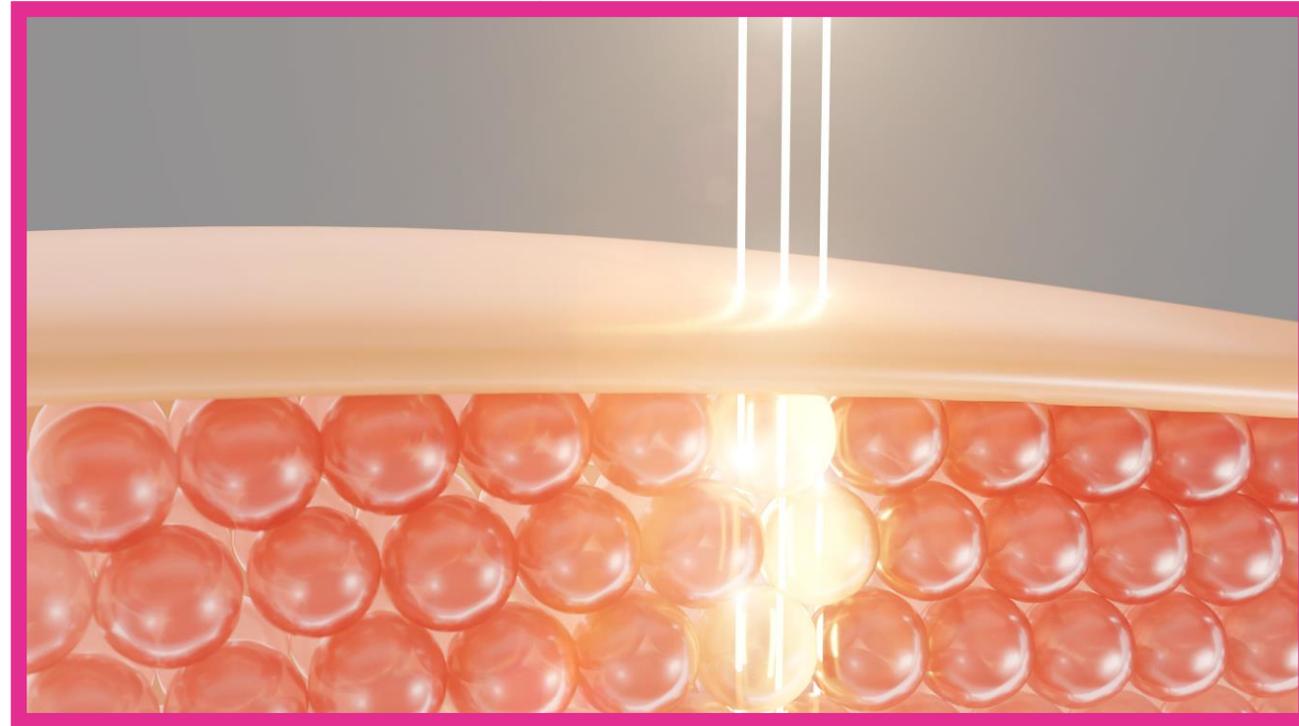
Radial Shock Waves reach cellulite, by reactivating cell metabolism and by breaking down the fat excess.

TECHNOLOGY: WAVE & VACUUM

Thanks to the integrated **Vacuum** effect, **Radial Shock Waves** also reach deeper cellulite, by making the treatment even **more effective**.

CELLULITE TREATMENT WITH LIPO-LASER

10



TECHNOLOGY: LIPO-LASER

Lipo-laser emits two wavelengths: **630 nm** and **850 nm**. This double intensity allows to act on cells from all layers, by reactivating biological functions that lead to the **improvement of the microcirculation** and to the **detachment of fats**. This occurs thanks to the restoration of **cellular metabolism**, that also **reduces fibrotic and sclerotic cellulite**.

LOCALIZED

FAT

RADIAL SHOCK WAVES AND LIPO-LASER EFFECTIVENESS AGAINST FAT

Radial Shock Waves have been successfully used in the treatment of localized fat: studies carried on this technology highlight the **reduction of subcutaneous adipose tissue**, thanks to both the restoration of cellular metabolism and the remodeling of collagen tissue (Kuhn et. Al 2008). Therefore, **Radial Shock Waves** treatments are effective in **body shaping** and **fat elimination**.

Scientific research indicates that the **reactivation of biological functions**, which leads to fat-reduction mechanisms, it successfully occurs in **8 treatments** - two per week - (Knobloch e Kraemer, 2015). By reaching this number of sessions and frequency, **lasting results and continuous improvements** were observed even in the following 3 months (Knobloch e Kraemer, 2015).

Body shaping results obtained with Radial Shock Waves can be measured: the reduction of adipose tissue is so significant in treated areas, that **circumferences effectively decrease** (Adatto et al. 2011).

Localized fat can also be reduced with **Lipo-laser**: studies have shown the **effectiveness** of this non-invasive method, by estimating significant improvements already after **6 sessions**, although more important results can be obtained after **8 treatments** (Caruso et. Al, 2011). **Lipo-Laser** is also effective in **body shaping**, since its energy is able to degrade fat, which is subsequently expelled through **biological processes** that Lipo-Laser activates: **increased blood circulation, cell oxygenation, detoxification**.

Adatto, M, Adatto-Neilson, R, Novak, P, Krotz, A, Haller, G. (2011) Body shaping with acoustic wave therapy AWT/EPAT: Randomized, controlled study on 14 subjects. In *Journal of Cosmetic and Laser Therapy*, 13(6): 291-296. DOI: 10.3109/14764172.2011.630089

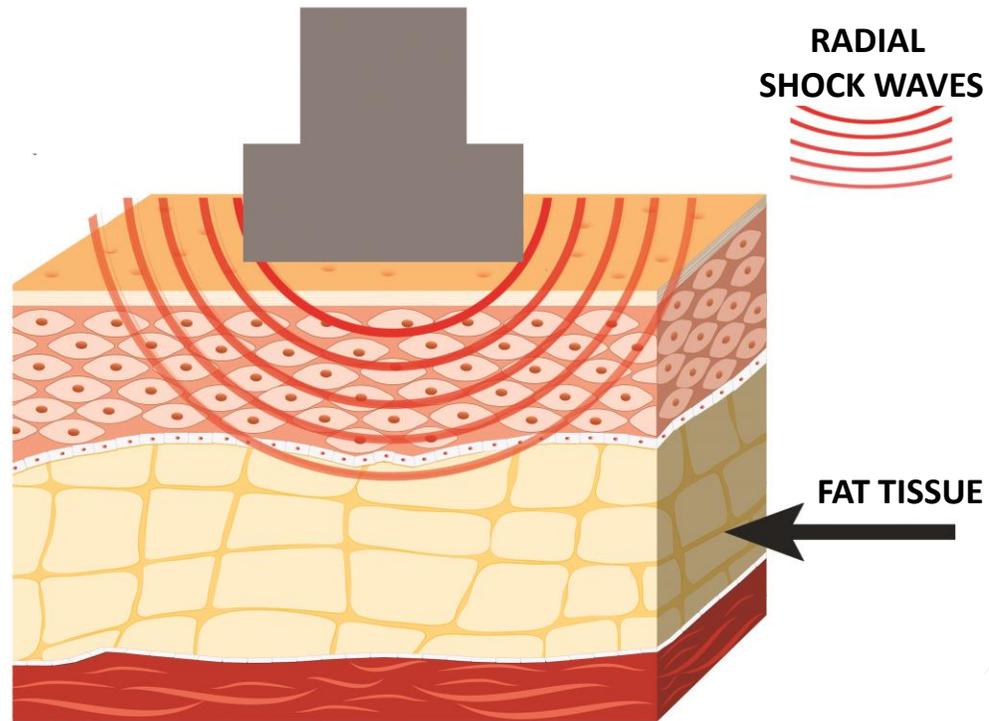
Caruso-Davis, M, Guillot, T, Podichetty, K, Mashtalir, N, Dhurandhar, N, Dubuisson, O, Yu, Y, Greenway, F. (2011) Efficacy of low-level laser therapy for body contouring and spot fat reduction. In *Obesity surgery*, 21(6): 722-729. DOI: 10.1007/s11695-010-0126-y

Kuhn, C, Angehrn, F, Sonnabend, O, Voss, A. (2008). Impact of extracorporeal shock waves on the human skin with cellulite: a case study of an unique instance. In *Clinical Interventions in Aging*, 3(1): 201-210. DOI: 10.2147/cia.s2334

Savoia, A, Landi, S, Vannini, F, Baldi, A. (2013) Low-Level Laser Therapy and Vibration Therapy for the Treatment of Localized Adiposity and Fibrous Cellulite. In *Dermatology and Therapy*, 3: 41-52. DOI: 10.1007/s13555-013-0026-x

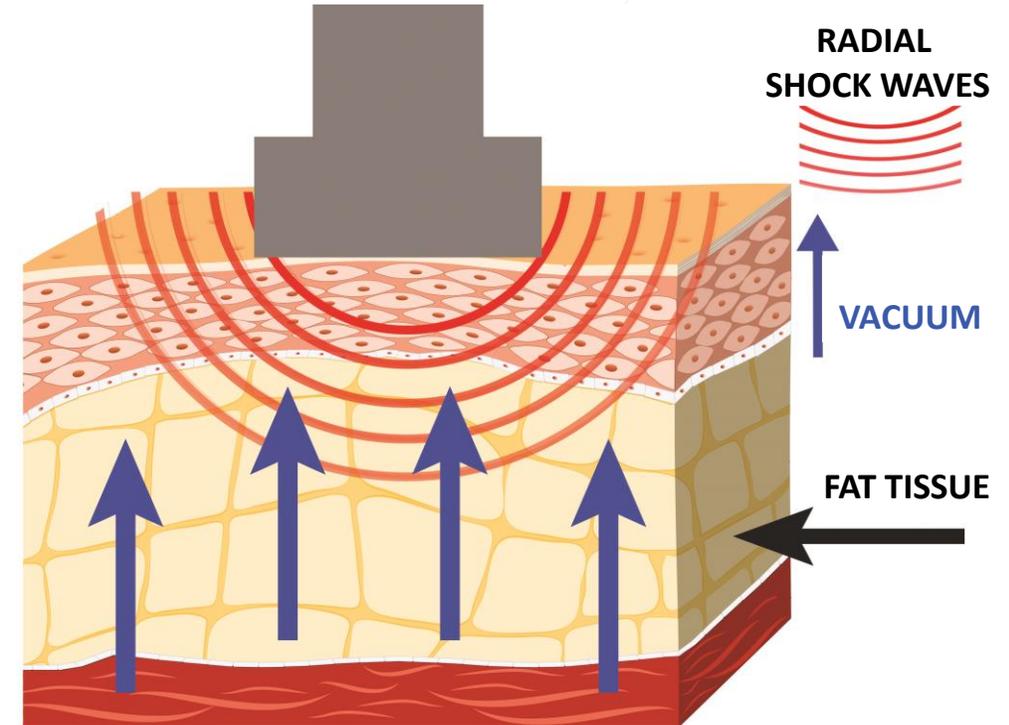
LOCALIZED FAT TREATMENT WITH RADIAL SHOCK WAVES

DUAL WAVE 4.0



TECHNOLOGY: WAVE

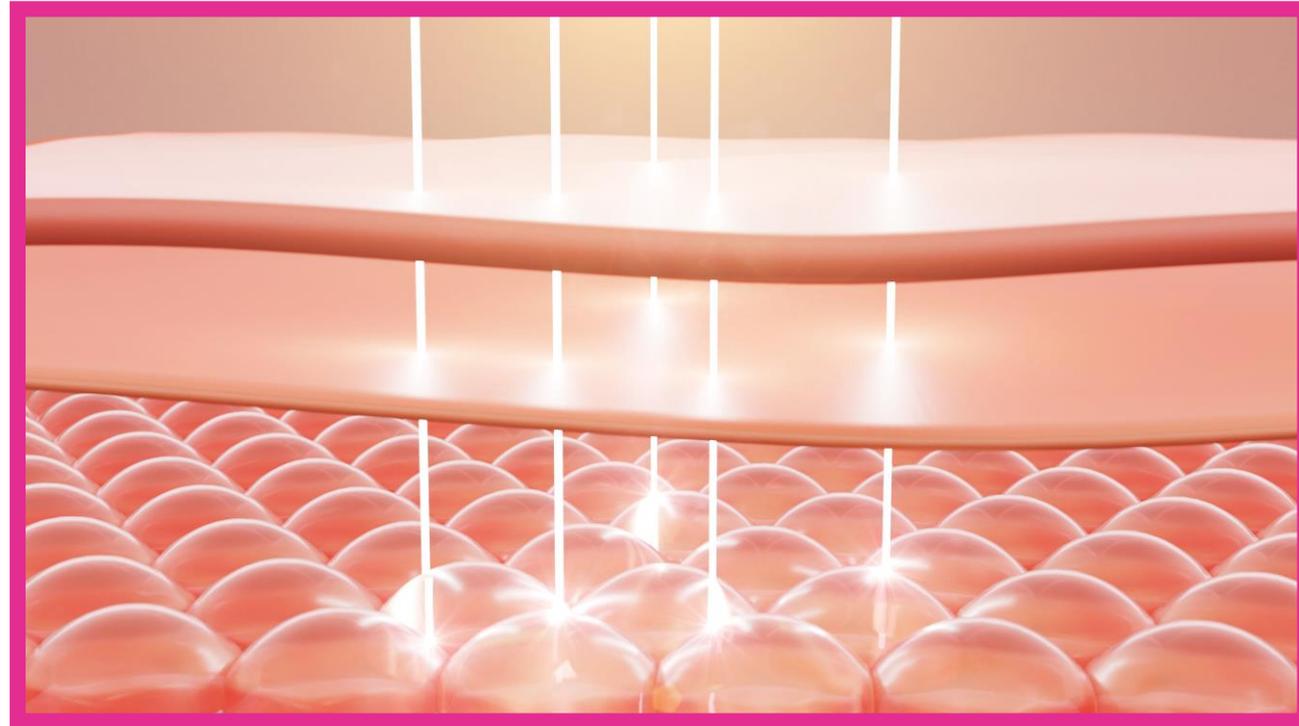
Radial Shock Waves reach the fat, by reactivating the metabolism of the cells and by breaking down the fat in excess.



TECHNOLOGY: WAVE & VACUUM

Thanks to the integrated **Vacuum** effect, **Radial Shock Waves** also reach the deepest fat, by making the treatment even more effective.

LOCALIZED FAT TREATMENT WITH LIPO-LASER



TECHNOLOGY: LIPO-LASER

Lipo-laser emits two wavelengths: **630 nm** and **850 nm**. This double intensity allows to act on cells from all layers, by reactivating biological functions that lead to **fat degradation**. In fact, by taking advantage of both wavelengths, it occurs the activation of all the necessary **biological processes** that allow the **detachment of fat from the tissues**.

STRETCH

MARKS AND

SCARS

● RADIAL SHOCK WAVES AND VIBRATION EFFECTIVENESS ON STRETCH MARKS / SCARS

Scientific studies demonstrated the effectiveness of **Radial Shock Waves** on both stretch marks and scars, thanks to their ability to stimulate cell metabolism, which restores tissue elasticity. Tissue regeneration is effective, and it usually takes **8-10 sessions** (Novak, 2009), although results begin to be visible already after **6 sessions** (Christ et. Al). Once the cycle is complete, **tissues continue to regenerate** for a period that can last from 3 to 6 months afterwards (Novak, 2009).

Radial Shock Waves are also successfully used in the treatment of **burn scars**: they are effective in reducing **healing times**, and this decreases the risk of developing pathological scars (Joo et al. 2020).

Radial Shock Waves are able **to heal wounds** thanks to the increase in **local blood circulation** and to the improvement of **cellular metabolism**. (Khun et. Al, 2008). Research also highlighted effectiveness of **Radial Shock Waves** in skin repairing, which occurs thanks to their ability to increase the production of **neo-collagen** and **neo-elastin** in subcutaneous layer (Khun et. Al, 2008),.

Vibration is another effective technology that reduces scars. This method is able **to soften scar tissue**, and it can be used between 3 and 8 weeks after the formation of scars. (Lehman and Cromwell, 2012). **Vibration** also effectively prevents **stretch marks** and effectively treats them if they are in their **initial stage** (Caprioglio, 2020). In fact, **stretch marks** are a type of scars, and for this reason it is opportune to intervene before they become permanent.

Caprioglio, V. (2020) *I massaggi del benessere*. Milano, Italia: Edizioni Riza.

Christ C, Brenke R, Sattler G, Siems W, Novak P, Daser A. (2008) Improvement in skin elasticity in the treatment of cellulite and connective tissue weakness by means of extracorporeal pulse activation therapy. In *Aesthetic Surgery Journal*; 28(5): 538-44. DOI: 10.1016/j.asj.2008.07.011. PMID: 19083577

Joo, S, Lee, S, Choo, Y, Seo, C. (2020) Clinical Utility of Extracorporeal Shock Wave Therapy on Hypertrophic Scars of the Hand Caused by Burn Injury: A Prospective, Randomized, Double-Blinded Study. In *Journal of Clinical Medicine*, 9(5); 1376. DOI: 10.3390/jcm9051376

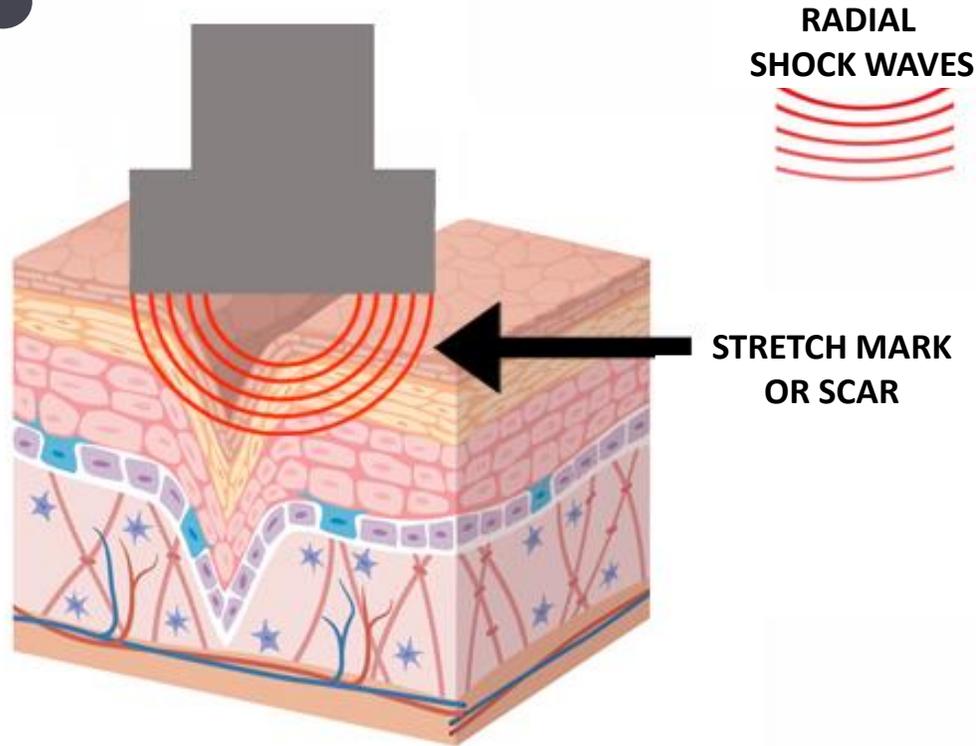
Kuhn, C, Angehrn, F, Sonnabend, O, Voss, A. (2008). Impact of extracorporeal shock waves on the human skin with cellulite: a case study of an unique instance. In *Clinical Interventions in Aging*, 3(1): 201–210. DOI: 10.2147/cia.s2334

Lehman, J, Cromwell, F. (2012) *Hand Rehabilitation in Occupational Therapy*. Milton Park, Abingdon, OX, England: Taylor & Francis.

Novak P. (2009) *Acoustic Wave Therapy for Treating Cosmetic Disorders*. 

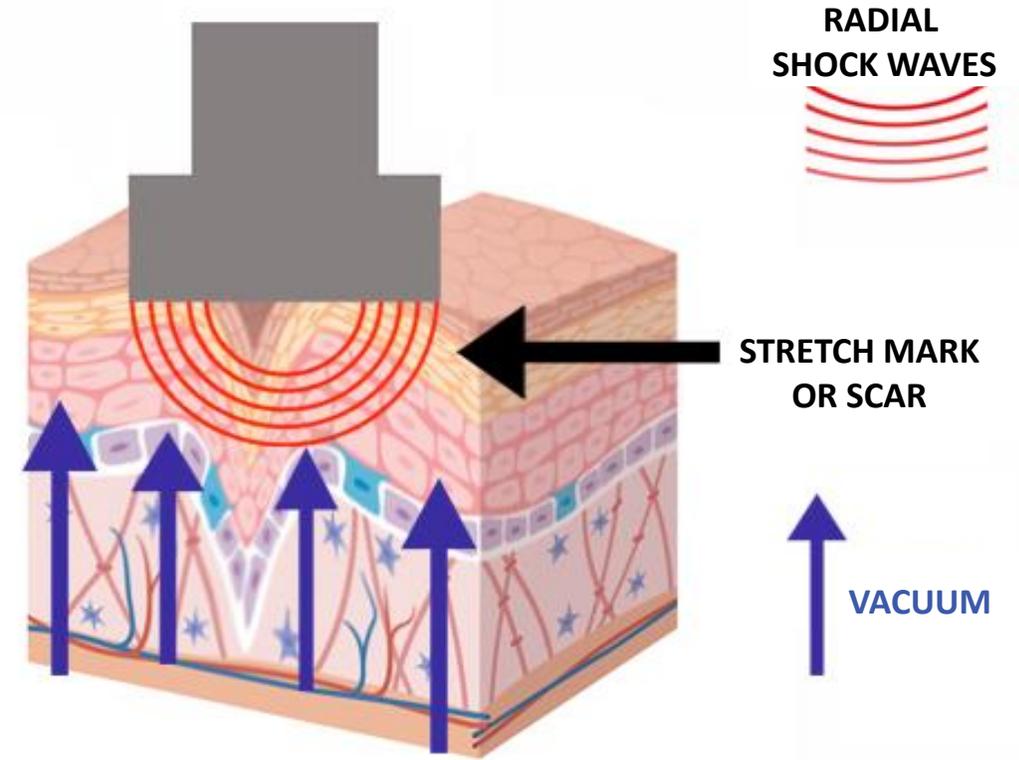
STRETCH MARKS / SCARS TREATMENT WITH RADIAL SHOCK WAVES

DUAL WAVE 4.0



TECHNOLOGY: WAVE

Radial Shock Waves irradiate on imperfections and stimulate the creation of new collagen, which repairs tissues.



TECHNOLOGY: WAVE & VACUUM

Thanks to the integrated **Vacuum** effect, **Radial Shock Waves** reach the deepest tissue layers, by making treatments even more effective.

FACIAL TREATMENTS

ALL FACIAL TREATMENTS HAVE TO BE MADE WITH THE VIBRATION FUNCTION

Tone and Vitality

- Botox effect
- Facial toning
- Improvement in tissue elasticity
- Improvement of skin texture

Shaping

- Lifting effect

Anti-Age

- Wrinkle reduction
- Scars attenuation
- Restoration of cellular functions

DUAL WAVE 4.0



VIBRATION EFFECTIVENESS¹⁹

Vibration has the ability to activate the **cell regeneration process**, which, in turn, it brings **numerous benefits**, including: improvement of skin elasticity, tissues toning, and wrinkles and scars attenuation (Caberlotto et. al, 2017).

Thanks to the increase in local temperature, **Vibration** allows cells to intensify their **natural regeneration** (Pilch et. al, 2019).

However, the impact of **vibrations** on human body is **multidirectional** and, among their properties, **vasodilation** is particularly important, since it improves **blood circulation**, by allowing an increase in **tissue oxygenation** (Pilch et. al, 2019). This allows the skin to appear flat, illuminated and younger.

The action exerted on **facial muscles**, which are strengthened through vibrations, it produces a **natural lifting effect** (Pilch et. al, 2019).

Furthermore, **Vibration** is also ideal for carrying out treatments with a **natural botox effect** thanks to its ability to **tone and strengthen tissues**.

Caberlotto, E, Ruiz, L, Miller, Z, Poletti, M, Tadlock, L (2017) Effects of a skin-massaging device on the ex-vivo expression of human dermis proteins and in-vivo facial wrinkles. In *PLoS One*, 12(3): e0172624. DOI: 10.1371/journal.pone.0172624

Pilch, W, Czerwińska-Ledwig, O, Chitryniewicz-Rostek, J, NastaBek, M, KrwhaBek, P, Jwdrychowska, D, Totko-Borkusewicz, N, Uher, I, Kaško, D, Tota, L, Tyka, A, Tyka, A, Piotrowska, A (2019). The Impact of Vibration Therapy Interventions on Skin Condition and Skin Temperature Changes in Young Women with Lipodystrophy: A Pilot Study. In *Evidence-Based Complementary and Alternative Medicine*, 2019. DOI: 10.1155/2019/8436325

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