

F312A



Ultrasound



The F312A ultrasound device for facial and body treatments. Non-invasive and painless method of ultrasonic waves that, when in contact with the skin, have a direct effect on tissue tissue, improving inflammation, nutrition and oxygenation of the same. It activates circulation, as it improves blood flow, especially at dermal level. It is widely used for post-surgical treatments, fibrosis, nutrition and oxygenation of the skin, as it increases the permeability of the membrane and the regenerative capacity of the tissues. To activate it, select the "ULTRASOUND" option. Then select the ultrasound handpiece using the "SELECT" button, Eyes (for eye contour) or "Face" (facial handpiece). The settings can be changed at any time during the treatment. Under "STATE" you select the type of current emission (continuous, pulsed and combined). In "ENERGY" the intensity is programmed, always from less to more according to the client's tolerance, and in "TIMER" the time according to the treatment to be carried out.

In the case of body treatments, we will work with the facial handpiece but covering small areas, as the head is not very large. The area to be treated can be divided into quadrants, and each quadrant will be worked on (body area to be worked on 20x20 cm, no more than 15 minutes), about 10 minutes per quadrant, so the body treatment will be longer, from 20 to 30 minutes.

Use conductive gel or a special product for ultrasound, always water-based, with active ingredients that enhance the treatment. The recommended intensity will depend on the treatment being carried out and the results, always in communication with the client so that it is tolerable. Make upward and circular movements over the entire face, 10 to 15 minutes recommended at facial level. Massage the treatment area where sufficient conductive gel has been applied using small circular movements to cover the entire treatment area. Treatment time will vary depending on the size of the surface to be treated. A standard (full) facial area should last 10-15 minutes of repetitive massage.

Ultrasound



Ultrasonic waves (greater than 20,000HZ) produce a variety of sound vibration inaudible to the human ear. Its functions are as follows:

Therapeutic function of ultrasound product penetration (sonophoresis). It gives us the possibility to work deeper into the dermis and epidermis, with a wide variety of beneficial results. Its main use is indicated to make the product penetrate thanks to the ultrasonic waves, increasing the supply of substances to the tissue, as well as its therapeutic effect. The products are not limited to ionisation or electrodes, nor is it limited to the use of soluble substances, it works very well on pasty substances. It is easy to use, does not generate electrical stimulation or burns.

Cosmetic ultrasound treatment. When we perform treatments using cosmetic products and ultrasound, we must determine intensity ranging from 0 - 3W/cm². The duration of 5 to 15 minutes and the treatment period and number of sessions should be decided according to the different needs of the skin. Treatments can be 10 sessions, once or twice a week. Some recommendations: acne 3 to 5 times; scars, bags, dark circles, wrinkles and blemishes once every 2 days. If the skin condition worsens during a specific treatment, reduce the frequency (by extending intervals between sessions) or reduce the intensity and extend the time appropriately.

Notes

- Always make sure that you apply enough conductive gel.
- Generally lower wattages are used for facial treatments and higher wattages for body treatments.
- If the treatment area is small or sensitive, use the eyepiece handpiece and make sure that the intensity is limited to blocks 5-7 (on the "ENERGY" LCD). The treatment time can also be reduced to 8-10 minutes.
- A standard treatment package lasts around 10 sessions in total, with a minimum rest period of one day between sessions. If other facial treatments are carried out on the same area, a minimum rest period of 7 days should be expected between treatments.

Ultrasonido



Cosmetic function of ultrasound:

1. Improves blood circulation: when the general circulation in the capillaries of the facial part is obstructed, red spots appear on the face, which are difficult to treat with drugs and cosmetics in general. The mechanical, physical and chemical function of ultrasound, together with a suitable product, stimulates circulation and improves metabolism, allowing the affected vessels and tissue to return to their normal state, improving the red spots.
2. Helps the elimination of scars after acne treatment. When a skin has suffered inflammation due to acne, and has not been treated correctly, or has been treated with too much pressure, capillaries break, blood flows outwards leaving marks on the face. Some people use very strong products that stimulate the skin and cause the pigment to diminish, leaving "brown" marks. Ultrasonic waves can penetrate the skin, improve blood circulation and cell metabolism, mobilise tissues and gradually improve marks caused by poor healing. Normally, ultrasound treatment with products, in these cases, is performed for 10 minutes alternating every 2 days.
3. It is effective in the depigmentation treatment protocol for subcutaneous spots, in combination with other techniques and products. The treatment is recommended once a week for 10 minutes.
4. It prevents and eliminates fine expression lines. Ultrasound, applied together with anti-ageing products, stimulates the metabolism and prevents the appearance of new expression lines. Due to the mechanical massage generated by the ultrasonic wave, which regulates and readjusts the cellular arrangement, it accelerates blood circulation and improves the absorption of nutrients and water, improving the appearance of the skin.
5. It improves eye bags and dark circles under the eyes. Some factors such as decreased circulation, fluid retention, excess fat in the lower part of the eyes, cause the famous bags. This, together with factors such as lack of sleep, excessive fatigue and obstruction of blood flow, leads to dark circles under the eyes. The mechanical massage exerted by the ultrasonic wave activates the blood and lymphatic circulation, eliminating excess fluids and fat, improving absorption into the tissues and the appearance of the skin around the eye and dark circles under the eyes. The treatment can be performed for 5 minutes on each lower eyelid, respecting the mucous membranes.
6. It has a decongestive or anti-inflammatory effect. It helps to reduce inflammatory and congestive processes and to improve healing.
7. It improves the quality and texture of the skin, as well as its hydration.

Ultrasonido



Ultrasound has three types of wave:

Continuous (~): successive wave emitted constantly generating a noticeable intensity on the skin. It is generally used on thick and resistant skin. Used in areas with a lot of fat accumulation and a large surface area, as in this way the wave emission is greater, which generates more heat and enhances the effects. Use continuous mode to work on the body area. Fibrosis, penetrate product with active ingredients.

Pulsed (ПП): intermittent wave, with intervals lasting a tiny fraction of a second and constantly emitted. This allows the wave emission to be noticeably reduced, so that the mechanical action of the ultrasonic wave has a full effect without being uncomfortable for the client. Recommended for inflammatory conditions (redness), fine, sensitive skin or expanded capillaries. Used in small areas, with less thickness and little accumulation of adiposity as the wave emission is smaller, therefore, the effect will be less powerful and, consequently, the heat generated will be less. Also used for areas where bone tissue is more prominent. This wave emission can be used both on the face and body, post-surgery, to prevent fibrosis and reduce oedema, cellulite.

Combined (П): combination of continuous and pulsed wave.

For eye and face contour, it is recommended to use pulsed mode, from 10 to 15 minutes. Ultrasound is excellent for use in post-operative treatments to reduce oedema and fibrosis.

Recommended intensity: young skins lower intensity, mature skins higher intensity.

Body area to be worked 20x20 cm, do not work for more than 15 minutes.

Always keep the handpiece close to the skin while it is being emitted, otherwise the wave is returned and can damage the handpiece.

Treatments can be 10 to 12 sessions, depending on the protocol and treatment.

Always move the handpiece in a slow, circular and upward motion.

Procedure:

- Ultrasound treatment uses direct contact radiation. During treatment, the ultrasound head should be kept in contact with the skin. Gentle, slow movements of the head should be made over the area to be treated in a circular or linear motion, depending on the size of the area to be treated.
- Before treatment, cleanse/tonify the facial skin with a cleansing emulsion. It is important to remove dirt and debris on the skin (pore secretions, etc.) to prevent the ultrasonic wave from penetrating into the skin.
- Remove the emulsion or any product residue.
- Gently tone the face (or part to be treated) with a toning product.
- After a skin analysis, carefully apply the prescribed product.
- Apply a sufficient amount of product (cream, ampoule, gel) evenly to the face (or area to be treated).
- Switch on the equipment. Press the "POWER" button and select the "ULTRASONIC" function; adjust the power intensity according to the "U/Energy" indicator light, usually in the green and yellow section. The power may vary depending on skin quality, age and patient tolerance.
- Select the wave state with the "STATE" button: continuous wave (~), pulsed wave (ΠΠ) or combined (Π), depending on the treatment to be performed.
- Take the ultrasound head and proceed to work on the desired area where the cream, product and conductive gel have been applied. The time required will vary depending on the area to be treated: facial or body.
- Clean and dry the ultrasound head after each treatment.

Attention

- Before starting the ultrasound treatment, make sure that sufficient cream and conductive gel have been applied to the skin.
- A treatment time of 15 minutes is sufficient. Prolonging the time does not improve the result.
- The temperature of the handpiece does not indicate the power of the equipment.
- If the affected area is too small or too sensitive, such as the area around the eyes, it is necessary to use the small pulsed mode ultrasound. The output power should be limited to between 0-3W/cm; the time can be extended up to 8-10 minutes.
- If the person is sensitive, adjust the intensity during application. In this case the application should be lighter than for people whose skin is not so sensitive.
- The treatment consists of about 10 sessions in total, carried out every other day. If another treatment is applied to the same area, a week's break between sessions is necessary.
- If the ultrasound handpiece chosen is not powered, check that it is switched on and that the correct one has been used.
- The equipment should not be switched on if the handpiece is not in contact with the client's skin, as this may damage it and shorten its life span.
- Do not attempt to separate the stainless steel area of the handpiece from the rubber grip (handle), as any attempt to separate these elements could cause irreparable damage to the equipment.
- It is forbidden to open the appliance. If any unusual problems are found, consult the dealer and send it for repair to an authorised service centre.



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