Transdermal Therapy Products
Ampoules and phials professional line

Factor Estètic
Anti-cellulite Sol.
L-Carnitine 1g

Specific carrier of fatty acids across the inner mitochondrial membrane of mitochondria

The amino acid L-Carnitine contributes to fat oxidation by promoting their disposal to use as fuel. The role of L-Carnitine is to facilitate the use of fats. The lack of L-Carnitine prevents fats are transported to power plants, where they are burned. This accumulation of fat is reflected externally in the “orange peel” and “cellulite.” On the contrary, the more L-Carnitine, the more fat is burned, and therefore thins recover more energy and better resists the cold and fatigue. Can be associated with caffeine, it’s power to remove the fat cells where it is deposited.

The L-Carnitine, functions in lipid metabolism as a carrier substance of fatty acids, especially the long chain from the cytosol into the mitochondria, where it produces the B-oxidation, which is especially important in tissues such as muscle, which depends heavily on fatty acids for energy for contraction.

The major body functions are:
- Transport of fatty acids from citosol to inside mitochondria.
- Assist in fat conversion into energy.
- Enhancement heart lipidic metabolism
- Assist in triglycerides and cholesterol reduction
This combination of active ingredients has many benefits applicable to the **aesthetic field**

**Antispasmodic action, due mainly to the coumarin and is exercised primarily at two levels:**

- On smooth muscle, thus on the entire circulatory system.
- On the lymphatic system, increasing the frequency and amplitude of contractions of lymphatic vessels, favoring the absorption of edema.
- Action capillaries, reducing the capillary permeability, increasing vascular resistance, the debit circulatory and vascular neogenesis.
- Actions on the reticuloendothelial system and histocitario: Increasing the power of protein degradation.
- For its part, the routine is responsible for the inhibition biochemical pathway arachidonic acid facilitating the lipolytic action of other substances.
- The connective tissue causes an increased synthesis of collagen in the vessel walls and has anti-free radical action and antilipoperoxidantes.
- Enables the return venous circulation.

**Indications**

**Cellulite:** Improving the conditions of circulation improves drainage and venous return.

Pathology circulatory and lymphatic venous origin:
Varicose veins, telangiectasias, varicose ulcers, phlebitis, thrombophlebitis, edema and lymphedema, thick legs, tired, painful or swollen, cramping, tingling.

**Anti-inflammatory effect:** Action that is manifested in time vascular inflammation and more specifically the edematous component.
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PURIFIYING SOL.  
Extract of Artichoke 2%

Stimulates **reabsorption of exudates** and deductions holders with increased diuresis

Artichoke Extract promotes the synthesis of coenzymes (NAD-and NADP-NADPHZ NADHZ), mainly the couple NADP-NADPHZ most related to the control of lipolysis.

**Actions**
- **Choleretic.**
- **On the antitoxic function of the liver.**
- **Glicogenética on liver function.**
- **On lipid metabolism.**
- **On the kidney and the metabolism of urea.**

**Indications**
As choleric and detoxifying (hepatodetoxifying).
As soft diuretic, allowing to drop extracellular mean pressure.
Hyperuremia, hypercholesteremia, localized lymphodistrophy (cellulitis).
Organic Silicon is an **active ingredient** that helps to stay fit

It works by rebuilding cell membranes. Makes them more resistant to oxidation caused by free radicals. Until recently did not know the properties of organic silicon, and its many benefits.

**A recent study has shown:**

- It is a good ally for our body properly metabolize phosphorus, magnesium and calcium.
- With its intake get a higher elasticity of our tissues and joints, since it is an essential component of cartilage and joint tissues, provides them with consistency.
- Organic Silicon, helps keep our younger tissues, protects our ligaments, health keeps nails, hair and skin, keeping it young and smooth.
- Its medicinal effects are observed in the recovery of fractures and the fight against demineralization of bones and helps in treating skin conditions such as blisters, sunburn, wound healing, tissue regeneration after surgical procedures, etc.

**Indications**

Indicated in association with other injection specialities used in mesotherapy. To treat lipody strophy without precipitation. Also used as anti-wrinkle, anti-flaccidity, and skin grooves.
Caffeine activates lipolysis and mobilizes stored fat

Caffeine is a chemical group of the alkaloids of plant origin, belonging to the family of xanthic bases.

Caffeine acts on the mobilization and metabolism of free fatty acids.

Caffeine inhibits phosphodiesterase that are producing the hydrolysis of cAMP, which in turn indirectly involved in the chain of lipolytic function.

It is important to note that the elimination half-life of caffeine is longer in obese than in normal-weight individuals.

Include its effect with the increase in basal metabolic activity, mobilization of triglycerides (lipolysis) and oxidation of free fatty acids, which has prompted their use in composites for burning fat and improving muscle contraction.

Caffeine use more fat as fuel, with less use of glycogen, reducing muscle fatigue.

Indications
Cellulitis and localized obesity
Factor Estètic

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TIGHTEN SOL.
Sodium Pyruvate

Sodium Pyruvate is a molecule **low molecular weight** smelling acetic acid is a derivative of lactic acid.

Pyruvic acid in the body is used for the synthesis of amino acids. The pyruvate are used as dietary supplements to enhance weight loss.

Studies have shown that one of the main benefits is increased muscle tone due to a number of shares:

- The sodium pyruvate increases the membrane potential of mitochondria, stimulating cellular respiration.
- Increases glucose transport into the muscle cell.
- It is essential in the production of A.T.P. (Adenosine - triphosphate) in our body, energy responsible for muscle contractions.

**By the actions described above has been used in the treatment of:**

- Facial and body flaccidity.
- Wrinkles and skin aging.
- Atrophic striae.

Indications

**Anti-Aging:** Aging moderate facial photoaging skin, stimulating collagen synthesis,

**Lipolysis:** The Pyruvate acts synergistically in conjunction with the L-carnitine.

**Antioxidant:** Regeneration skin after sun exposure, smoker’s skin, protects the blood supply to the skin. Corrects muscle tenderness caused by skin aging and / or excessive accumulation of fatty nodules.
Reducing action in general obesity and localized, facilitating mobilization the accumulated fat

The active ingredients of Centella asiatica extract is constituted by three triterpene components: acid, Asia, and asiaticoside madecassoside as the most active and primarily responsible for the stimulation of collagen synthesis and mitotic stimulant.

The extract of Centella asiatica, promotes, protects and accelerates healing. On the one hand acts regulating the incorporation of amino acids for collagen essential for the biosynthesis of structural proteins, alanine and proline, which stimulates the granulation tissue, and on the other side facilitates correct epithelialization by stimulating the biosynthesis of glycosaminoglycans.

The artichoke extract promotes the synthesis of coenzymes (NAD-and NADP-NADPHZ NADHZ), mainly the couple NADP-NADPHZ most related to the control of lipolysis.

The rutine has an action on the capillaries, decreasing capillary permeability and increase muscular endurance, debit circulatory and vascular neogenesis.

Indications

Its components have a marked reducing action in generalized and localized obesity by promoting the mobilization of stored fat and cellulite and anti-edema effect.
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**ANTICELLULITIC EXTRACTS SOL.**
Asian Centella: + Ivy + Fucus

**Implements microcirculation, lipolysis and the tropism of the skin cellulitis**

**Centella Asiatica Extract** consists of three triterpene components: asiatic acid, and asiaticoside madecassoside as the most active and primarily responsible for stimulating the synthesis of collagen and stimulating apparatus.

Useful for the improvement of the symptoms associated with pathologies venolinfaticas as “cellulite” and swollen legs that occur with lymphatic dysfunction

**The extract of Centella asiatica**, promotes, protects and accelerates healing. On the one hand acts regulating entry into the collagen amino acids essential for the biosynthesis of structural proteins, alanine and proline, which stimulates the granulation tissue, and secondly facilitates correct epithelialization by stimulating the biosynthesis of glycosaminoglycans.

**Ivy Extract** contains Hederina, an active saponin provides a strong peripheral vasodilator action and action antiedematosa effective drainage of lipolysis products present in the states initials of “Cellulite.”

It has a peripheral vasodilating effect and anti-edema action of draining the lipolysis products.

Bladderwrack is rich in iodine, potassium, ascorbic acid and mucilage; provides hydrating, lipolytic and antiedematosa which promotes capillary circulation, improving skin trophism cellulitis.

**Indications**

**Anti-cellulitic** high potency.

Enhances microcirculation, lipolysis and cellulitic skin trophism.
Phosphatidylcholine is a phospholipid derivative of glycerol, which gives a lipotropic action at the level of the adipocyte membrane, favoring lipid component output, contributing to the transport of fatty acids by facilitating their solubility, because it is a powerful emulsifier that converts adipocyte content in a thin oil-aqueous dispersion, low density, easier to metabolize, transport and elimination. These actions deal with the saturation of fatty acids (permeability decreases with increasing saturation), so it is necessary to manage a polyunsaturated Phosphatidylcholine. May be given on techniques such as mesohidrolipoclasia or mesoperfusión, ultrasound / Vacuumterapia.

Indications
Effective treatment for lipodystrophy, adipose tissue, obesity and cellulite located febrile localized obesity.
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DESCONTRACTURANT SOL.
Argireline 5% + Pentapeptide 18 5%

Powerful anti-wrinkle peptide association with an activity similar to that of Botulinum Toxin

One of the most characteristic features of skin aging is the increasing and deepening of wrinkles or depressions that form along the lines of expression on the face.

Decontracting Solution is a solution of two natural peptides, which act by modifying the release of acetylcholine and therefore muscle contraction, resulting in a relaxation of facial muscles.

Decontracting Solution:
Reduce the depth of wrinkles:
- The two peptides act synergistically decrease the contraction of the muscles of expression.

Antiaging Effect:
- The reduction of muscle contractility does not so easily destroy the internal collagen, improving skin appearance.

Indications
Decontracting Solution reduces and prevents the depth of wrinkles caused by contraction of the muscles of expression, especially those that appear on the forehead, brow and around the eyes, perioral lines and platysma.

For wrinkle-free skin
Transdermal Therapy
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**SOL. LIFT**
DMAE 3%

**Firming effect**, prevents and combats facial and body flaccidity, improving contractility and firmness

It is a stabilizer of cell membrane, which protects against damage caused by free radicals, helping to eliminate toxins and preserve the valuable nutrients. Lift the solution contains DMAE is a precursor of acetylcholine, a neurotransmitter important in our skin, as there are multiple cells (Keratinocytes, fibroblasts, endothelial cells, etc.), Which respond to stimuli of acetylcholine, causing various beneficial effects on our skin.

**Reduce sagging:**
- By stimulation of myofibroblasts.

**Cellular Nutrition:**
- A slight vasodilator effect by increasing the blood supply and therefore nutrition.

**Anti-Aging:**
- Increases the synthesis of phosphatidylcholine in the cell membrane, increasing the resistance and reparation thereof.

**Indications**
In addition to its firming and anti-aging properties, clinical studies show that:
- Increases energy production in the body.
- It relieves anxiety.
- Improves learning and memory.

**Directions**
Sagging facial skin and body.

**For a smoother skin**
It prevents skin aging caused by time and sun exposure

**Vitamin C** (Ascorbic Acid): Essential for the formation of collagen and fibrous tissue, because it stimulates collagen synthesis from fibroblasts, also acts as a potent redox free-radical fighting Impresindible development matrix or intercellular substance of connective tissue and normal skin and the structural integrity of capillary walls.

It has been widely known that **Vitamin C** is very effective in eliminating active oxygen, preventing oxidation of cells by this oxygen.

**Vitamin C** achieved excellent results in the management, care and restructuring of the wrinkle or skin depressions.

**Indications**

The different aging process: intrinsic and extrinsic, are well and frequently treated by adequate dosage of Vitamine C.
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HYDRADERM 1%

Preventing and combating the symptoms skin aging

Hydraderm 1%, is a product whose composition is hyaluronic acid, obtained by biotechnology, highly purified art development.

Hyaluronic Acid in Hydraderm 1%

- **Deep Hydration:**
  - Hyaluronic acid molecule has a water holding capacity far superior to any other active ingredient.

- **Toning:**
  - The skin tones and looks more compact and turgid.

- **Cell regeneration:**
  - Encourages the production of new collagen and elastin, Hyaluronic acid and of itself

Composition
Hyaluronic Acid 1%

For a healthy skin young and hydrated
Preventing and combating the symptoms of skin aging

**Hydraderm 3.5%**, is an updated aesthetic formula of first refusal for the management and treatment of wrinkles.

**Hyaluronic Acid in Hydraderm 3.5%**

- **Moisturizing and Restructuring:** It results in turgor and compatibility, maintains the extracellular space between the bottom layer of the cells and the epidermis.

- **Fibroblastic Action:** Generates neo synthesis of collagen.

- **Antiradical action:** With protection on fibroblasts. Removal of free radicals.

**Indications**

- Prevention and treatment of skin aging.
- Prepares the area for subsequent filling.
- Prevention and treatment of skin stress caused by sun exposure, aggressive peeling, etc.

**For a full recovery of the facial skin and its contour**