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# ICOONE LASER: THREE TECHNOLOGIES IN ONE




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# Multi Micro Alveolar Stimulation combined with LASER 915 nm and LED 650 nm for a unique effect on Body Shaping and Cellulite

# THE BODY SYSTEM

- The body is a system with a cybernetic model consisting of a **set of SUBSYSTEMS**, connected to define a whole.

The system obeys the principles of physics and interacts with the external environment, through a **flow of information and impulses**: INPUT and OUTPUT.

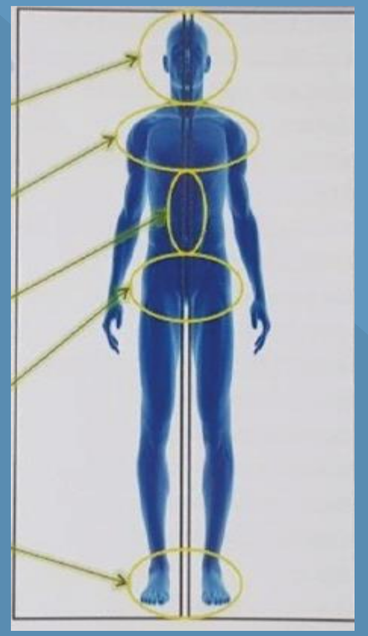
# SET OF SUBSYSTEMS

**RIGHT HEMISOME**

**SUBSYSTEM WITH MIXED SPATIAL AND FUNCTIONAL CONFIGURATION**

**LEFT HEMISOME**

- Mandibular-cranial subsystem
- Sternum-scapular-humeral subsystem
- Vertebral relay subsystem
- Pelvic subsystem
- Foot-ankle subsystem



- Somatic neurological subsystem
- Osteo-myofascial subsystem
- Autonomous neurological subsystem

**SPATIAL CONFIGURATION SUBSYSTEMS**

**FUNCTIONAL CONFIGURATION SUBSYSTEMS**

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## THE CONNECTIVE TISSUE

Functional subsystem that allows the communication between the sensory receptors, exteroceptors, proprioceptors and muscular structures **guaranteeing the balance system.**

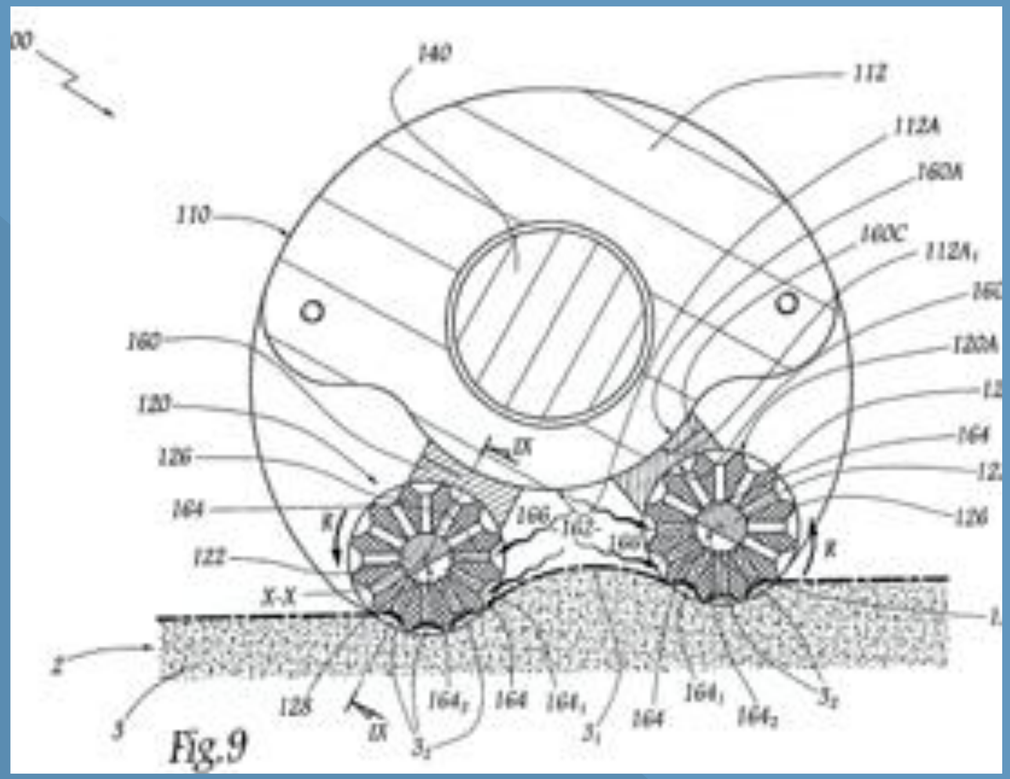
## THE MICROVACUOLE:

Functional unit of the connective tissue
The mechanical action on the tissues generates the mechano-transduction, the cells convert the mechanical signal into a **biochemical response.**

## ROBODERM PATENT

The **icoone exclusive patent** allows to triple the stimulation surface thanks to the action that comes from the arrays of Micro Alveoli (micro holes) on the surface of the two independent motorized **microstimulators** and from the central chamber.

Roboderm allows a unique stimulation: the **Multi Micro Alveolar Stimulation (M.M.A.S.)**



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# MULTI MICRO ALVEOLAR STIMULATION

- Microstimulation of the skin in all structures;
- Generation of fractional and distributed information over the entire skin surface;
- Improvement of the state of adhesiveness;
- Receptors transmission that are present in these tissues with a release of whey protein content;
- Increase in both the intracellular and extracellular metabolism.


- The International Literature has emphasized the efficacy of the **therapeutic window 600-1110 nm** on the tissues of our interest and the interaction with biological tissues, triggering of photo Bio modulation processes.

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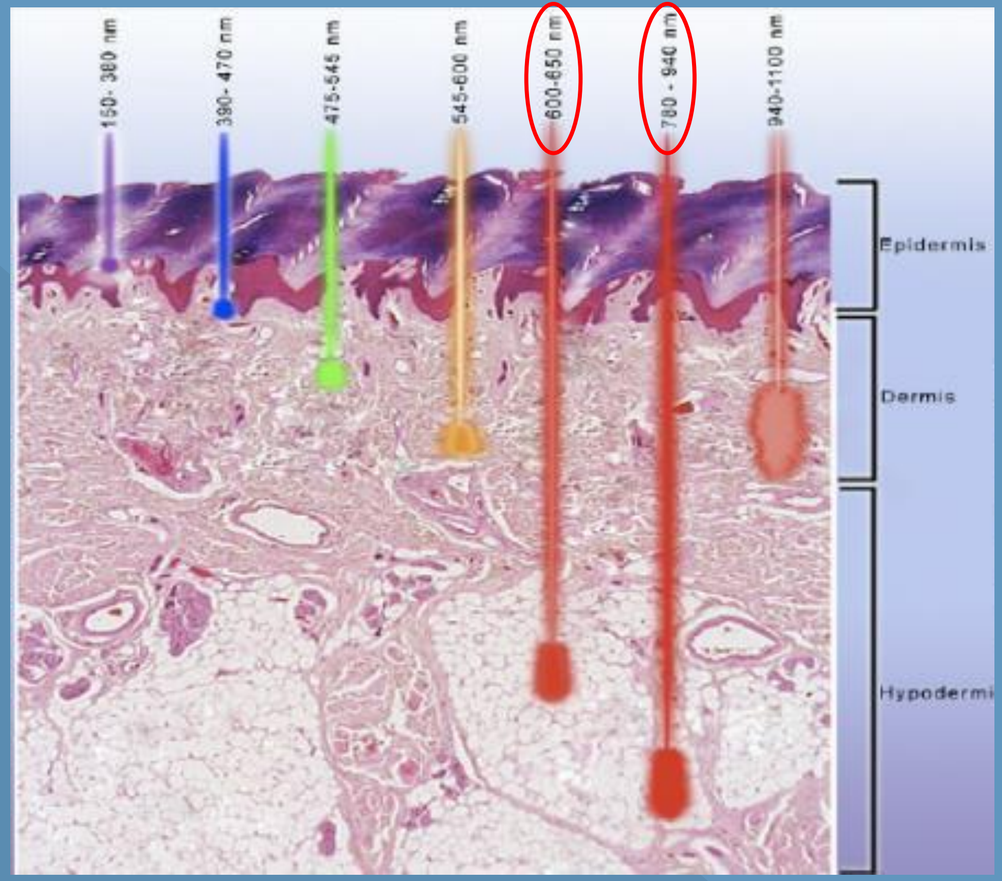
**LLLT (Low Level Laser Therapy)**, so-called biostimulation, using low-power LASERS or LEDs claimed to stimulate cell specific functions:

- Analgesic and antinflammatory effects;
- Stimulation of the **biological processes at the cellular and molecular levels;**
- The effects of LLLT at the cellular and molecular levels could include cellular viability, proliferation rate, as well as DNA integrity and the repair of damaged DNA.



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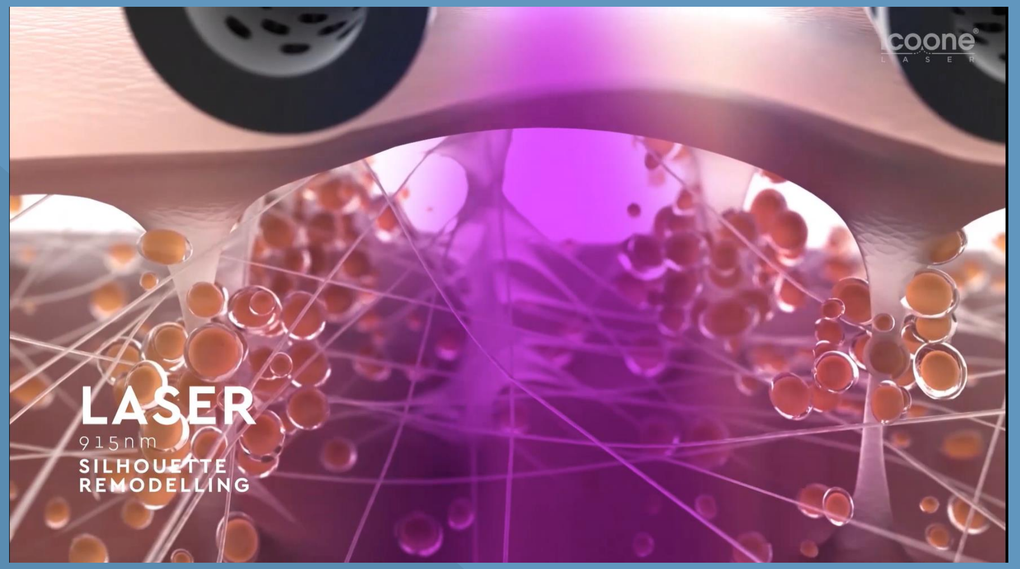
# LASER THERAPY

- Devices that are capable of emitting a beam of **coherent light.**
- Cellular chromophores absorb certain wavelengths stimulating **biochemical reactions.**
- Main chromophore of photo cell Bio modulation is the cytochrome C oxidase an enzyme present within the mitochondria.



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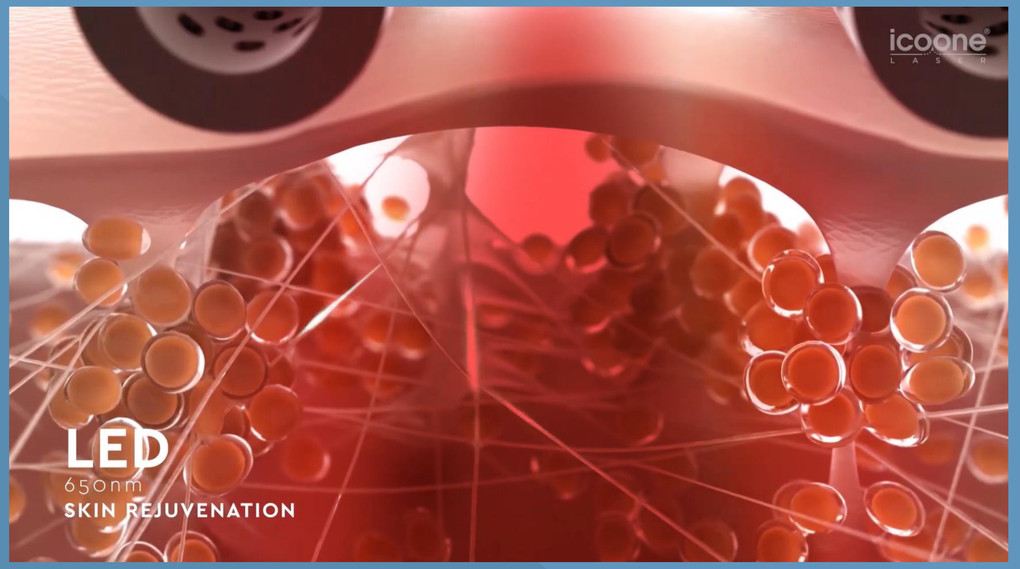
# LED THERAPY

- The light is absorbed by the cells: mitochondrial cytochromes **increase the metabolic activity** of the target cells.
- The coherence of the light beam is the ability to maintain a certain phase relation with itself during its propagation.



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# MULTI MICRO ALVEOLAR STIMULATION COMBINED WITH LASER 915 AND LED 650

## LASER 915 nm

- Acts on the **fat cell**, penetrating into it, absorbed by lipids, causing a thermal effect and enhancing lipolysis, the intracellular temperature is slightly elevated only in adipocytes.

- Is one of the four wavelengths identified to be absorbed by lipids at a higher rate than water (Anderson's study).

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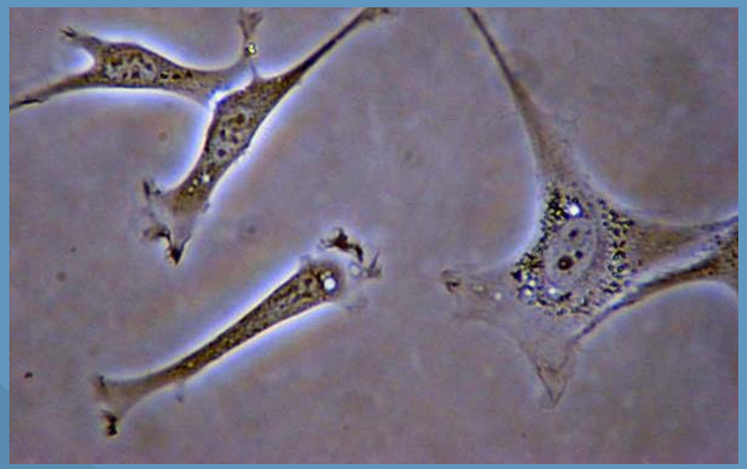
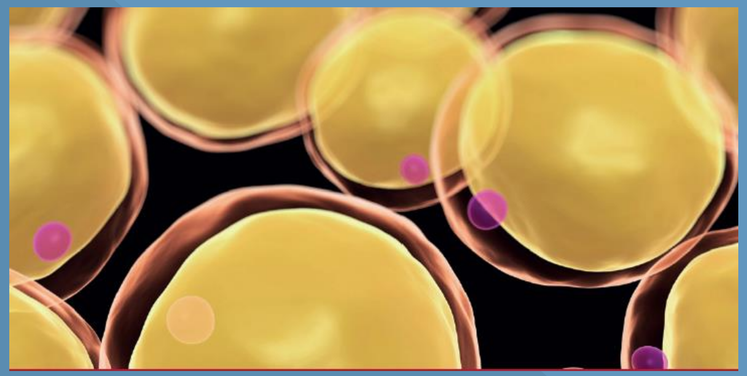
# MULTI MICRO ALVEOLAR STIMULATION COMBINED WITH LASER 915 AND LED 650

## LED 650 nm

- Temporary modifies the permeability of fat cell membrane, expelling TG's extracellulair, the adipocytes were not damaged.

- Stimulates the activity of fibroblasts with an increase in collagen and repair of connective tissue.





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## 3 combined technologies to maximize the results in case of Aesthetic-Functional Diseases as Lipodystrophy, Cellulite and localised fat deposits

The aesthetic pathologies modifying the aesthetic appearance of the subject may be associated with **alterations inherent in the adipose tissue**, or the fatty tissue layer directly disposed in the subcutaneous tissue of the human being.

Correspondence subsisting between individual aesthetic pathologies and the characterization of the individual's **bad posture**.

# PATHOLOGICAL PROBLEMS

- Inflammatory persistent state of the hypodermic tissue;
- Two aspects: **panniculitis** (to indicate the inflammatory nature of the disorder) and **panniculosis** (to indicate the slow and progressive evolution of these conditions);
- **Panniculopatia**: hypertrophy and degeneration of the superficial adipose tissue (subdermic nodules);
- Alteration of the trophism and of the fat distribution in specific areas of the human body;
- Degeneration in atrophic sense of adipose tissue.

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# MICROSTIMULATIONS COMBINED WITH THE PHOTOBIOSTIMULATION FOR UNIQUE EFFECTS ON THE LIPODYSTROPHY, CELLULITE AND LOCALISED FAT DEPOSITS

icoone modifies the body composition determining a detachment and consequent reorganization and realignment of the connective tissue, with a modification of the body composition.

- **Improvement of the lymphatic and circulatory system flow functions**
- **Skin regeneration, improvement of the skin quality, compactness and elasticity**
- **Improvement of the appearance of cellulite**
- **Body reshaping, remodeling and harmonization of the body**

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## CONCLUSIONS

- **Normalization** of the disfunction in the connective tissue structure in order to recover aesthetic-functional diseases;
- **Reduction** in localized adiposity with a qualitative improvement in the body composition;
- Global cells **metabolism activation** in order to re-awake the biochemical response.


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