

# .... mct injector

mesocarboxytherapy  
by mesoestetic®



**mesoestetic®**



# Technology

## mesotherapy

*“Little, rarely and in the right place”.*

**Dr. Michel Pistor**

**Mesotherapy** is a medical treatment that involves the intradermal administration of active substances through multiple micro-injections for correcting aesthetic concerns (skin aging, wrinkles, stretch marks, cellulite, alopecia, among others) or as an additional treatment for painful conditions (rheumatic disease, sports medicine, etc.).

Its effectiveness is based on three main concepts:

- **physical stimulation** produced by the needle (mechanical stimulus);
- **pharmacological effect** produced by the solution or a specific blend of active substances;
- **micro-doses** of the solution which activate a greater number of the receptors in the skin.

It is a non-obtrusive procedure requiring no preparation time with the advantage that patients can immediately resume their daily activities.

## carboxytherapy

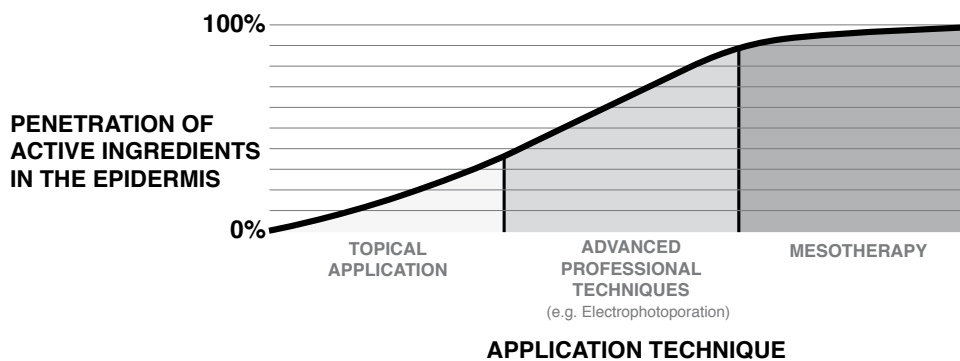
**Carboxytherapy** is a non-surgical procedure that uses a fine needle to inject medical grade CO<sub>2</sub> into the subcutaneous tissue.

The CO<sub>2</sub> is quickly and widely distributed throughout bordering tissue, employing a powerful vasodilatory effect at the microcirculatory level, increasing blood flow in muscle and adipose tissue and releasing serotonin, bradykinin, histamine and catecholamine. These substances activate the beta-adrenoceptors, stimulating lipolysis of bordering tissue.

In the presence of CO<sub>2</sub>, the body will tend to alleviate the instability in local oxygenation. Oxyhemoglobin increases localised oxygen supply and this produces a vasodilatory effect and enhances tissue oxygenation (*Bohr effect*).

The toxins released during the process are eliminated through the lymphatic system, resulting in improved skin tone.

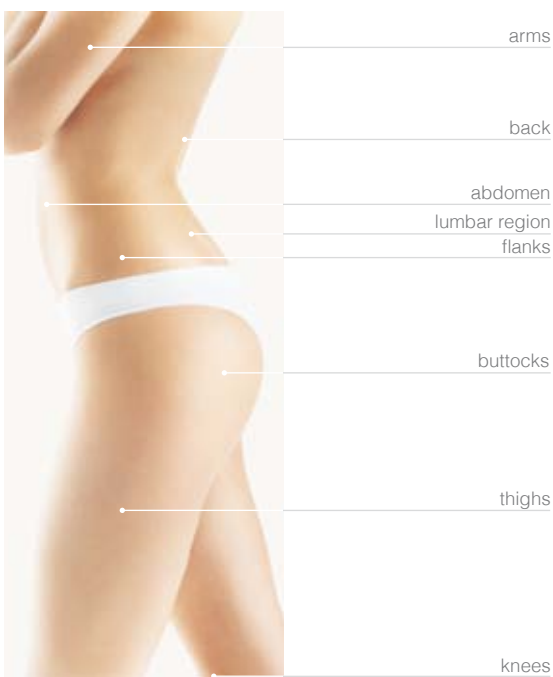
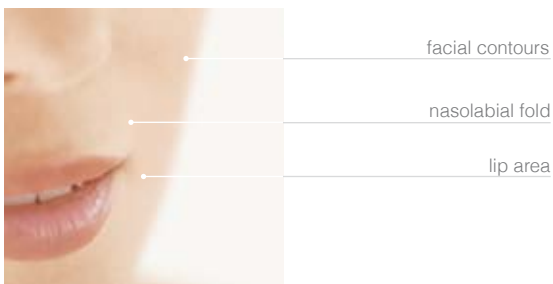
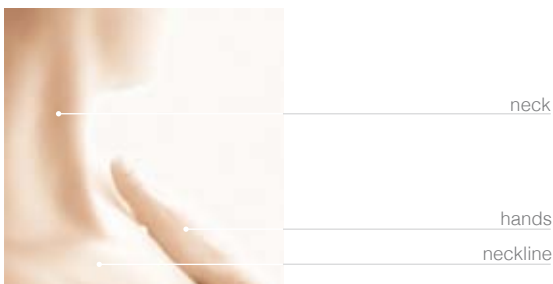
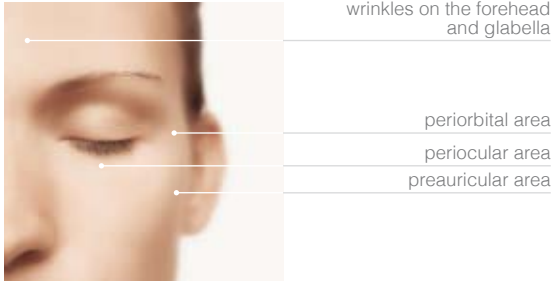
**Mesotherapy** is the application technique with the highest penetration level of active ingredients:



mesotherapy + carboxytherapy = mesocarboxytherapy

# Combined treatments with mct injector

## Treatment areas:



In a single device, the **mct injector** brings together two complementary techniques: **mesotherapy** and **carboxytherapy**. Thanks to the combination of these two techniques in the same session or in alternate session, the physical therapist can use a complete tool to perform multiple facial and body treatments:

### Face, neck, neckline, scalp, back of hands:

- Normalises skin pigmentation;
- Provides additional moisturising;
- Smooths wrinkles and expression lines;
- Plumps the tissues;
- Redefines the facial contour;
- Improves blood microflow, especially in the scalp;
- Stimulates local microflow, especially in the eye contour.

### Arms, back, thorax, abdomen, periumbilical area, flanks, thighs:

- Effectively treats oedematous-fibrosclerotic panniculopathy (cellulite);
- Stimulates the lymphatic system in order to eliminate excess liquids and toxins;
- Activates the lipolysis process;
- Restores firmness to drooping tissue.

## Several mesotherapy techniques

**mct injector** incorporates 3 programs for the administration of active substances through different injection techniques used in traditional mesotherapy.

### Meso

For **burst**, **intra dermal nappage** or **point by point** injections. **mct injector** automatically adjusts the depth and speed of the needle in order to perform steady and precise movements.

### Expert

Program specially designed for **point by point** injections or to perform **intra dermal papules**. With this program, professionals can freely adjust the depth (from 1 to 13 mm) and the dose (from 0.01 ml and up).

### Filler

Injection program enabling the placement of **implants** or **fillers**. It also enables **tracer mesotherapy** to be carried out, regulating the volume injected, the speed of retrograde injection and the injection depth.



Meso

Expert

Filler



Carboxytherapy

## Latest-generation of carboxytherapy

**mtc injector** incorporates a portable carbon dioxide injection system in order to perform **carboxytherapy** treatments comfortably and easily. **Carboxytherapy** plays a coadjuvant role of **mesotherapy** in the treatment of cellulite and adipose tissue but it can also complement practically all treatments requiring improved microcirculation and increased tissue oxygenation (under-eye puffiness, double chins, slow scarring, vascular disease, etc.).

### Total control

Handling control over the depth, angle and volume of each injection.

### 2 injection methods

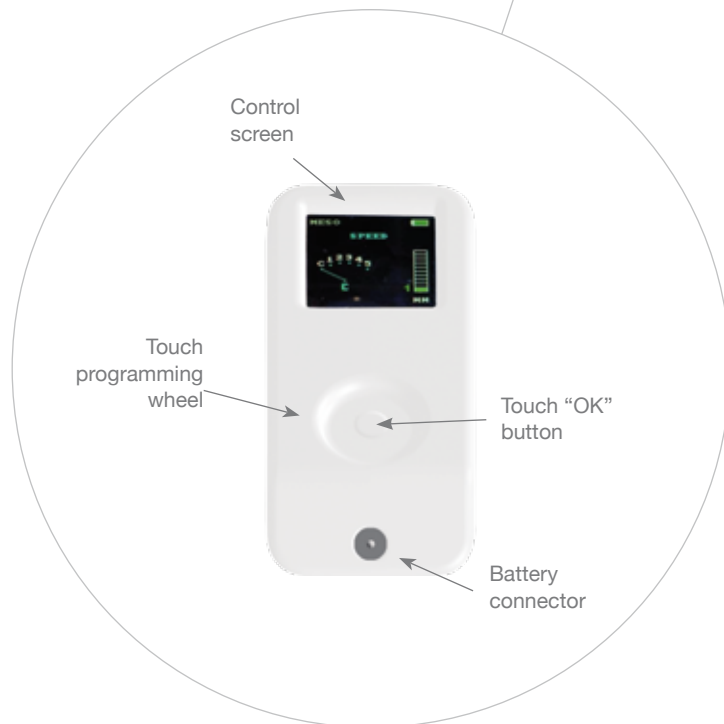
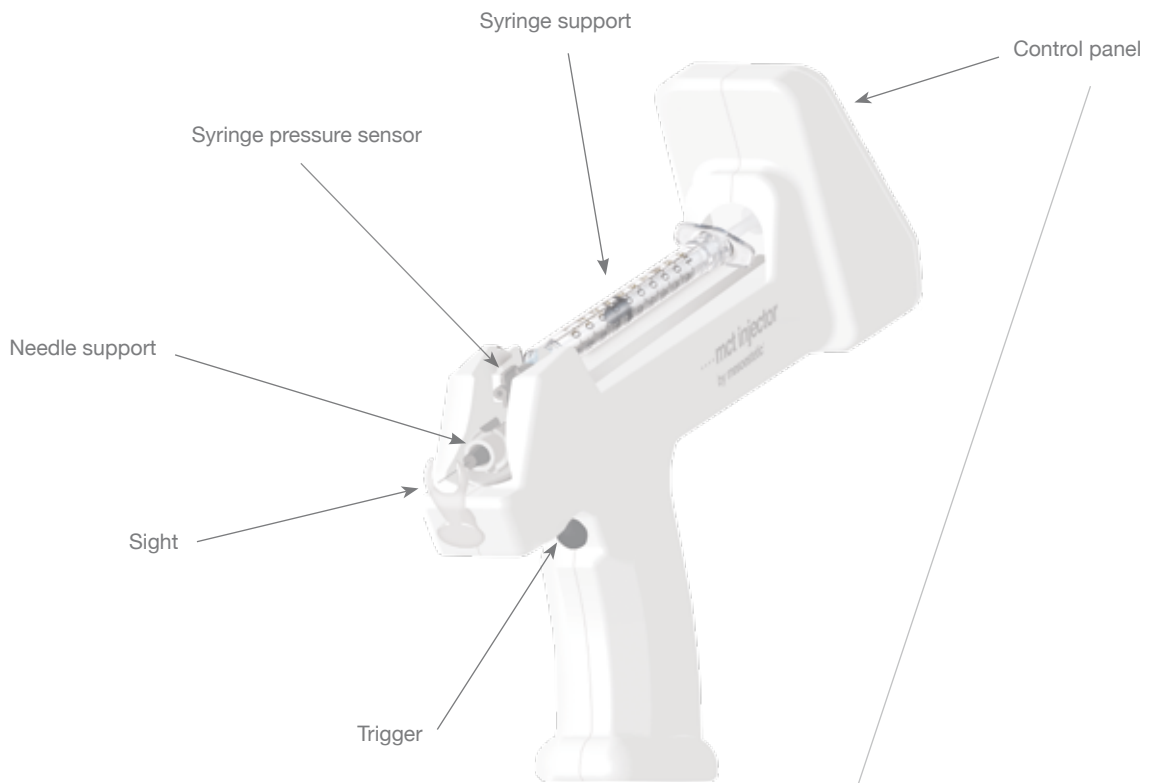
Manual for the face and periocular area and automatic for the body areas.

### Intuitive

Automatic adjustment of gas flow based on the size of the needle.

### Painless

Progressive injection with simultaneous micromassage.



## Maximum comfort for the doctor

### Handling

**Ambidextrous** design that is both lightweight and **ergonomic**. All accessories are portable (including CO<sub>2</sub> cartridges).

### Simplicity

Treatments can be programmed in a matter of seconds thanks to the **touch wheel** and high definition **colour screen**.

### Autonomy

Operates equally with a battery (Li-ion) or connected to a power source (90 V - 240 V).

### Flexibility

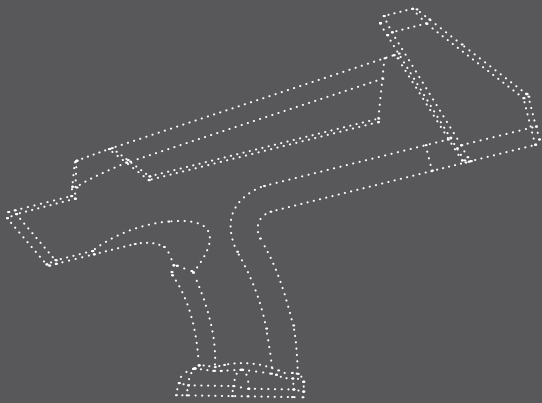
Compatible with all kinds of needles and syringes. Does not require the use of an exclusive kit.

### Visibility

Directional lighting of treated area.

### Reliability

Healthcare product with CE marking.



## Maximum comfort for the patient

**mtc injector** allows totally painless treatments for the patient thanks to:

- high-speed needle projection;
- no vibratory effects;
- simultaneous micromassage or following injections to improve the diffusion of active substances.

# ....mct injector

..... **Mesocarboxytherapy:** combination of two techniques with proven effectiveness.

..... **Intuitive, versatile** and **precise** technology.

..... Multiple **body** and **facial treatments**.

..... **Painless** and **safe** treatments.

..... **Medical device** with CE marking.



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