

VENUSIAN

CO₂ THERAPY



ORIGIN OF THE NAME "VENUSIAN"

Atmosphere often makes a first meeting magical: we will borrow it from another planet for your patients' skin. Venus's atmosphere is 96.5% CO₂. This high percentage is due to the fact that this planet does not have a carbon cycle, which is necessary for the gas to be incorporated back into the rocks and into the surfaces. Nor does it have an organic life that could absorb it. **Venusian** transforms this greenhouse gas into an incomparable ally of beauty.

CARBOXY THERAPY

Carboxytherapy is the administration of medical Carbon Dioxide (CO₂) for therapeutic purposes by subcutaneous or cutaneous injections. It is a treatment that can be performed only by medical professionals. The therapy consists in localised microinjections of medical Carbon Dioxide administered with a tiny needle which is connected to a single use sterile tube connected to the Venusian CO₂ therapy unit.

This is the only unit which is able to guarantee a controlled, sterile and personalized jet, recognised by the Department of Health of the European Community.

The treatment is completely safe for the patient. Carbon Dioxide is a-toxic and does not cause embolisms; it is compatible with the human organism which constantly produces and eliminates it through the venous system by way of the lungs.

VENUSIAN CO₂ THERAPY TECHNICAL FEATURES

The VENUSIAN CO₂ Therapy makes it possible to check sterility and the Carbon Dioxide activation system. The intelligent electronics of this technology allow:

- > control of pureness and quantity of the gas as well as speed of administration;
- > analysis of the variations in the skin's resistance, enabling the reproducibility of therapeutic results;
- > management, thanks to specific software, of pain reduction at a local level by temperature control of the emitted gas;
- > standardized or personalized therapeutic programs;
- > supply tubes with a 30g needle of 13 or 4 mm in a single use package in full compliance with current legislation.

WEIGHT AND DIMENSIONS

Weight	7 Kg
Width	52 cm
Depth	52 cm
Height	23 cm

FIELDS OF APPLICATION

Cosmetic Medicine

Cellulite
Localised fat deposits
Skin laxity
Stretch marks
Anti-aging

Dermatology

Psoriasis
Eczemas
Sores

Phlebology

Blocked microcirculation
Medium venous insufficiency

Orthopaedics and rheumatology

Arthrosis
Arthritis
Periarthritis

Carbon dioxide is not dangerous for the human organism, since it is normally produced by the cells and is absorbed by the blood flow and eliminated by the lungs.

The gas is administered via injections and the flow varies between 50/100 cc/minute. The flow is initially low so as to be accepted by the patient. Successively it increases until it reaches a maximum of 600 cc in 8/10 minutes. Each injection administers the gas for about 1 or 2 minutes; the needles used are of 30G/13mm and they are inserted obliquely for their entire length.

AREAS OF ACTION

Clinical Studies and university research have demonstrated that Carbon Dioxide injected in an invasive way effect:

- > **microcirculation:** by re-opening mechanically the closed capillaries, reactivating the malfunctioning ones and increasing the percentage of oxygen in the tissues. It improves the state of pathologies such as swollen legs or even various kinds of ulcers;
- > **adipose tissue:** by breaking down the fat cells membranes (lipoclastic effect) and reducing fat deposits;
- > **skin:** it increases the percentage of Oxygen in the tissue, improving skin elasticity and makes the skin younger.

