

Oxygen Infusion Dental Applicator

Oxygen Infusion dental applicator, available upon request, allows the treatment with **Oxygen Infusion** of gingival sulcus of patients with periodontal disease, the reduction of post extraction alveoli inflammation in radiotherapy patients and the treatment of ulcerative lesions of the mouth.

Drugs and active ingredients delivery system

The applicator can contain up to 4 cc of active solutions and can be easily connected to the MBE **Oxygen Infusion** face probe. This special tool can be used to deliver homeopathic drugs into the skin. The system is especially suited to treating patients who have a phobia of needles.

Issue 02/16

Oxygen Infusion

The anti-age gold standard.



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Indications

Oxygen Infusion is indicated to treat:

- > Skin lesions
- > Skin dehydration
- > Skin aging
- > Skin laxity
- > Wounds and lesions with torpid clinical course
- > Rhagades
- > Headache (cephalgia)
- > Cervical pain
- > Herpes skin lesions
- > Muscle pain
- > Muscular lesions
- > Hematomas

Fields of application

- > Dermatology
- > Aesthetic Medicine
- > Vascular Surgery
- > General Surgery
- > Plastic and Aesthetic surgery
- > Gynecology
- > Homotoxicology
- > Homeopathy
- > Rheumatology
- > Sports Medicine
- > Dentistry

Oxygen Infusion

Oxygen Infusion is a technique developed by Maya Beauty Engineering.

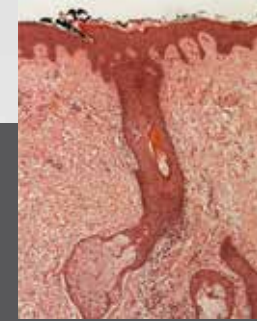
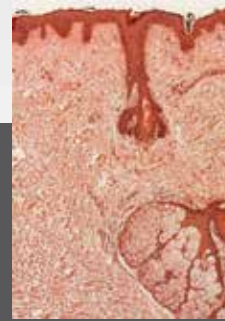
This allows the emission of oxygen at a purity between 94% and 98%, delivered at a pressure of about 2.5 atmospheres.

This technique has proved to be effective in the treatment of various skin problems.

Oxygen delivered at a pressure of 2.5 atmospheres, an exclusive feature of the MBE device, allows gas molecules to pass through the skin and promote biostimulation.

The studies performed to date show the effectiveness of **Oxygen Infusion** from a therapeutic point of view:

- > Improved corneous layer with good cytomorphosis maintained
- > Improved structural organisation of connective tissue with newly formed collagen and elastic fibres
- > Improved hyaluronic acid quality
- > Neo-angiogenesis with formation of arterioles and meta-arterioles

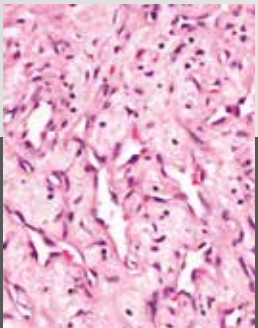


The most important effect brought about by Oxygen Infusion is the stimulation of **true angiogenesis**. Arterioles and meta-arterioles are created and 4 important steps occur which lead to the formation of new vessels.

Further studies show that **Oxygen Infusion** is a valid addition to other treatments such as:

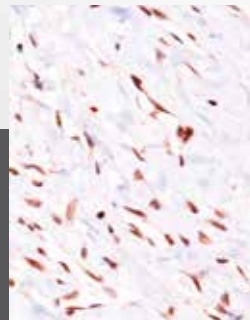
- > Micro-exfoliation procedures
- > Tachi-percussion or dermo-abrasion treatments
- > Chemical Peelings (any)
- > Laser (any)
- > Post Surgery

Oxyneedling® allows the physician to obtain enhanced results: it stimulates a good synthesis of elastin and collagen and improves the quality of hyaluronic acid. **Oxyneedling®** (or oxygenated needling) allows us to stimulate the production of growth factors capable of stimulating various cellular mechanisms related to tissue growth including angiogenesis, chemotaxis of macrophages, proliferation and migration of fibroblasts and collagen synthesis.



Hematoxylin-eosin Method

You can see some vessels containing erythrocytes.



Immunohistochemistry

You can see endothelial cells (brown) proving what is seen with the Hematoxylin-Eosin Method.

Oxyneedling®

Oxyneedling® is an innovative technique developed by Maya Beauty Engineering.

It combines two effective procedures:

Oxygen Infusion and needling.

The characteristics of this type of procedure which make it therapeutically effective are further strengthened by combining the peculiarities of the individual techniques.

Oxygen Inhalation

The function of Oxygen Inhalation allows the patient to breathe oxygen with a purity between 94 and 98%. This phase is important for the treatment of cluster headache, neck pain, herpes simplex.