Oxygen Infusion tailored for the medical professional

The Oxygen Infusion technique, carried out using Oxy Xtra Med, incorporates the emission of 94–98% oxygen at an atmospheric pressure two-times higher than usual.

Clinical studies have proven that this needleless technique allows the transdermal passage of the gas through glandular annexes (pilosebaceous apparatus and eccrine glands) and intercellular and/or transcellular pathways.

During the emission phase, infused oxygen has a latent period in which it reaches a state of balance with the skin. Once the point of balance is reached, a constant flow of penetration begins. The higher the purity and the exit pressure, the deeper the tissue penetration. Oxygen infusion acts in the vascular glomus located in the reticular dermis.

A number of clinical studies have proven that the therapeutic action of Oxygen Infusion arises from its angiogenetic properties.

Actually, Oxygen Infusion acts on the three primary components of the connective dermal tissue, sustaining an adequate production of glycosaminoglycans (hyaluronic acid), elastic and collagen fibres in both quantity and quality. This results in an improvement to the connective dermal tissue.

The same studies reveal that oxygen infusion does not increase free radicals, but blocks the fermentation of glucose present in the cells, by inhibiting the cells’ degeneration.

Oxy Needling®
Oxy Xtra Med is the only unit on the market performing Oxy Needling®, oxygenated needling. Oxy Needling® has been proven to be much more effective than traditional needling.

By exploiting the principle of repeated micro-trauma in the presence of Oxygen Infusion, it is possible to induce an exudative haematoma, which triggers the beginning of the migration and proliferation of fibroblasts. This enables the development of granulation tissue.

Oxygen Infusion delivers drugs and active ingredients
MBE has developed a special tool to effectively and painlessly deliver drugs and active ingredients into the skin, without the use of needles.

The applicator can contain up to 4 cc of active ingredient and can be easily connected to MBE Oxygen Infusion face probe. This tool can also be used to carry homeopathic drugs into the skin, and in the following fields of medicine: orthopaedics, physiatrics, sports medicine, aesthetic medicine, and dermatology.

The system is particularly useful when treating patients who are afraid of needles, or to areas which are extremely sensitive to pain.

To summarise, the indications of Oxygen Infusion are: wrinkles, scars, anti-ageing, skin atony, cellulite, lipolysis, skin lesions, acne, ulcers, rhagades, sores and psoriasis, pain management and pain reduction.

- DOMENICO AMUSO, MD, Surgeon and Cosmetic Medicine Expert, Modena, Italy
  email: d.amuso.estetica@gmail.com
  website: www.mbe medicale.it/en/

Bibliography
oxyXtra MED

Class IIb Medical Device for face and body oxygen infusion treatments.
Ideal for: wrinkles, scars, anti-aging, skin atony, cellulite, lipolysis, skin lesions, acne, ulcers, rhagades, sores and psoriasis.

Drugs and active ingredients
Delivery System
Localized application of homeopathic remedies

Oxy Needling®
oxogenated microneedling

face & body needleless
Oxygen Infusion

Acne treatment
Psoriasis treatment

Before
After
Before
After

Maya Beauty Engineering s.r.l. - Via Collamarini 21 - 40138 Bologna - ITALY - Ph. +39 051 782368 - Fax +39 051 782032
www.mbe medicale.it/en