

O₃IMPLANT® & LINDA®

ozone therapy devices for implantology and clinical practice



Today there is an increasing usage of dental implants in order to replace a missing tooth or multiple teeth. It is an involved, invasive operation that takes time to resolve so, keeping everything healthy and free from infection, is a key condition. That's where ozone therapy comes in.

The usage of **ozone in dentistry** has been proposed because of its **antimicrobial, disinfectant, oxidant** power and healing properties. Thorough its **natural** germicidal action, **ozone** can **kill** more than 166 between **bacteria, viruses, fungi and spores, pathogenic microorganisms** acting as infection prevention and immunostimulant action.

OZONE THERAPY & DENTAL IMPLANTS

The dental implant is a long invasive surgery procedure with a high **risk of infection**. It doesn't matter how advanced our equipment or how clean we and our efficient tools are, **bacteria are a constant threat**.

Ozone damages, through the oxidant power, the viral capsid and interrupts the reproductive cycle by preventing contact between the virus and the cell. **Ozone** can also kill bacteria by attacking its protective membranes. By using ozone therapy when performing a dental implant procedure, we can ensure your mouth is kept **infection free** for the longest time. The ozone treatment is painless and increases the patients' healing.



Ozone can be applied as a gas or in water form. By using ozone therapy devices, **O₃IMPLANT®**, ensures constant and repeatable conditions of use, guaranteeing the absolute purity of the gas supplied and the maximum reliability. Certified as "Medical Device as per Directive 93/42 / EEC and S.M.I. in IIA class", **O₃IMPLANT®**, is in compliance with the protocols of the Scientific Society of Oxygen Ozone Therapy



SIOOT, thanks to the specific software configuration. Through **O₃IMPLANT®**, the ozone can be bubbled into the bones, wounds and soft tissues by decontaminating any kind of pathogenic agents. This procedure ensures the implant itself and the surrounding tissue is as **clean** as it is currently possible to be. This is a huge step in promoting the **fast healing** and continued comfort of your dental implant. **All by using a completely natural gas.**

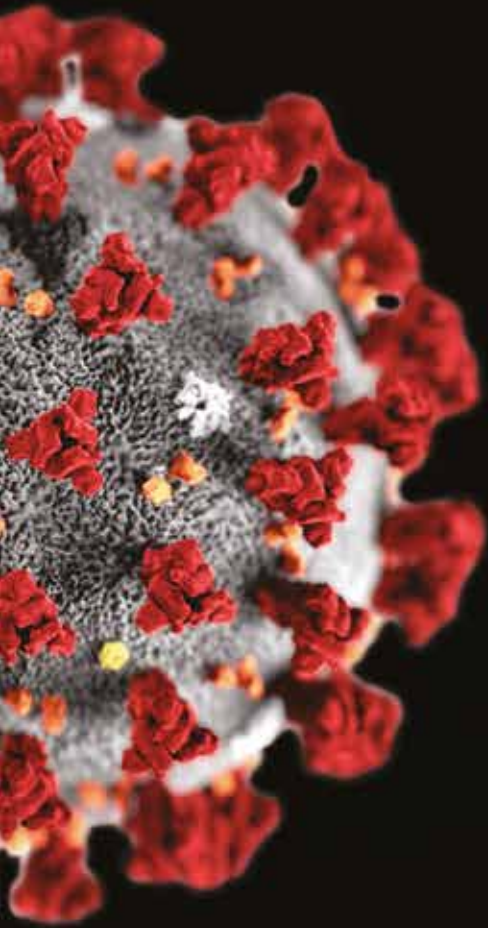
RISK OF CROSS-CONTAMINATION

However, there is not only a risk of infection in individual's oral cavity but also the **cross-contamination** has been considered an important topic in dentistry. Cross infection to **dental staff** can often occur due to the existence of microorganisms from patient's blood and saliva on dental tools as well as patient's oral residuals. **LINDA®**, new Galbiati's product can be used against the microbial contamination of both water and air. **LINDA®** disinfects spray instruments, clinic rooms, ultrasonic cleaner, horizontal and vertical surfaces, including furniture and furnishings, for dental unit water bottle, waiting rooms.

Effective against all pathogenic organisms (e.g. **Legionella** and **E. Coli**), ozone is particularly recommended for the **water sanitation** process, ensuring a **real, natural and complete disinfection**.

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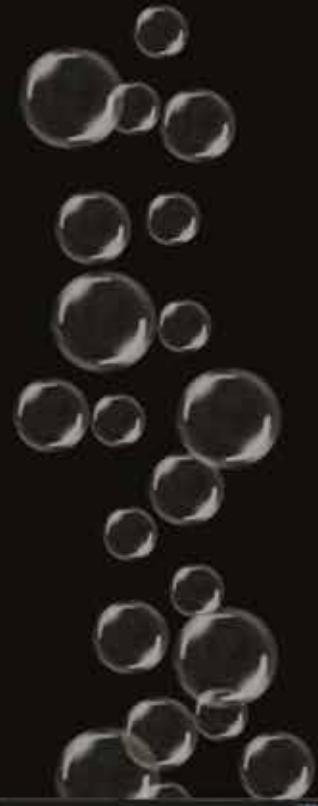
OZONE KILLS THE BACTERIA



O₃ exerts a **NATURAL** analgesic and anti-inflammatory action.

O₃ **KILLS** bacteria and **STOPS** viruses replication.

O₃ **SANITISES** and deodorizes the clinic rooms.



OZONE THERAPY DEVICES NATURAL SAFE POWER



OZONE IN DENTAL CLINIC, WATER CLINIC SANITIZATION – H3O BLACK by GALBIATI



Ozone has been successfully used in dental field for over twenty years. The applications mainly concern two aspects: ozone as a natural alternative to traditional disinfection and sanitization chemical processes and the oxygen-ozone therapy to treat patients affected by various diseases. From June 26th 2001, ozone has also been recognized by the American FDA (Food & Drug Administration). Thanks to the oxidation power, ozone kills bacteria by attacking its protective membranes. Ozone can also penetrate the internal structures of viruses, preventing their replication.

Dental unit waterlines (i.e., plastic tubing that carries water to the high-speed handpiece, air/water syringe, and ultrasonic scaler) promote bacterial growth and development of biofilm due to the presence of long narrow-bore tubing, inconsistent flow rates, and the potential for retraction of oral fluids. Dental health care personnel and patients could be placed at risk of adverse health effects if water is not appropriately treated.

Microbiologically contaminated water may be a risk factor for the dental team and patients, since they exposed to water and aerosols generated from dental units. This is particularly important in view of the increasing numbers of medically compromised and immunocompromised patients receiving regular dental treatment.

All dental units should use systems that treat water to meet drinking water standards.

According to this statement Galbiati R&D department has realized

H3O BLACK, an ozone generator, specifically designed for ALL dental clinic water sanitation.

Through the use of ozone, the water flowing from dental units is completely purified and sterilized, so that all pathogenic organisms are eliminated. As triatomic molecule of oxygen, ozone, unlike other substances, turns into oxygen in a short time, without residuals. That's why ozone is the ideal disinfectant means for the latest sanitization and potabilization requirements.

Effective against all pathogenic organisms (e.g. Legionella and Escherichia Coli), ozone is particularly recommended for the water sanitation process, ensuring, more than all other systems, a real and complete disinfection. Ozone has a strong bactericidal action, thirty times higher than chlorine. The disinfectant action of this gas meets the requirements established by the hygiene standards, as it prevents the formation of biofilm, incrustations and mildew, as well as the formation of bacterial strains. H3O BLACK consists of an ozone generator and a mixer water unit, all in a powerful and compact size device. Ozone is added to the network water during the flow, so that water comes out totally sanitized.

This latest generation device is made of innovative materials and is entirely designed and produced in Italy.

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H₃O BLACK

OZONE WATER TREATMENT DEVICE

