



SIOXYL[®]

S O L U T I O N

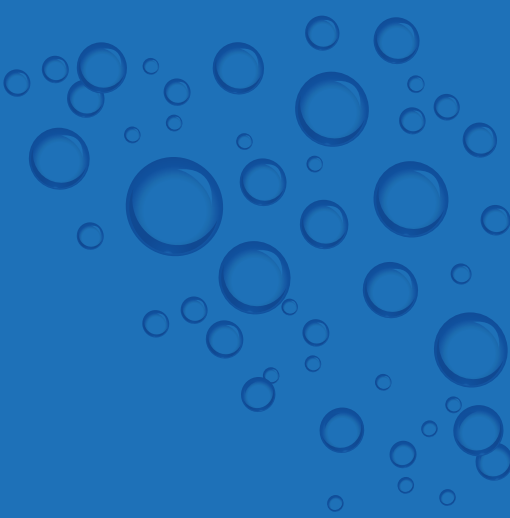


OXYGEN

FOR YOUR TEETH

SIOXYL+ Solution is the innovative and ultra-concentrated hydrogen peroxide-based solution for a new and drug-free approach suitable for acute, chronic, and infective periodontal and peri-implant diseases.

Simple, fast, painless:
SIOXYL+ Solution can make
your patients smile again.



doctor-smile.com
info@doctor-smile.com

 **DOCTOR
SMILE**
INNOVATION HAS A NAME

WHY IT WORKS

SIOXYL+ Solution is a special solution patented by Gianluigi Caccianiga, professor at the Ferrara University. Its high oxygen content favours the elimination of the pathogenic bacteria responsible of the Socransky's red and orange complexes, with a deep and diffused decontaminant effect otherwise not achievable with conventional technique. The solution, thanks to its micro-composition stabilized with glycerophosphates, optimizes the bacterial charge removal. The production of singlet-oxygen inside the periodontal pockets allows the destruction of the anaerobic bacteria's cell membrane, responsible of the periodontal disease, often achieving a complete healing and saving elements which appeared lost. Gum bleeding, tooth mobility, chewing pain and halitosis disappear in most of the cases. To further increase its effect, it is possible to use SIOXYL+ Solution in the preliminary phases of periodontal pocket decontamination treatments using dentistry laser.



BEFORE



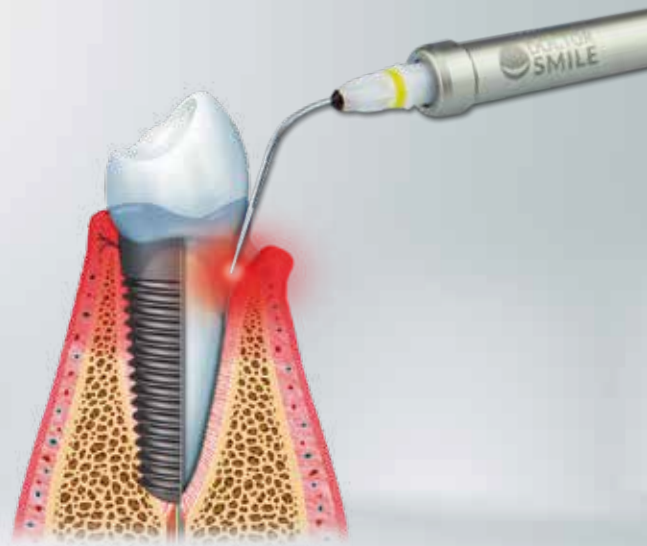
AFTER

Bibliography

Caccianiga G, Baldoni M, Ghisalberti CA, Paiusco A. | A Preliminary In Vitro Study on the Efficacy of High-Power Photodynamic Therapy (HLLT): Comparison between Pulsed Diode Lasers and Superpulsed Diode Lasers and Impact of Hydrogen Peroxide with Controlled Stabilization. | Biomed Res Int. 2016; Epub 2016 Aug 18.



IRRIGATE
THE PARODONTAL POCKET



BEAM
THE AREA WITH THE LASER LIGHT

SYNERGY BETWEEN LASER AND OXYGEN

For an effective therapy of the periodontal disease, it is fundamental to decontaminate the pocket from the bacterial charge dwelling inside. In case of loss of organic elements, it is possible to combine SIOXYL+ Solution with the laser therapy in order to increase its power and to improve the regeneration of tissue. Through the production of singlet oxygen, it is possible to destroy the cell membrane of the bacteria present inside the periodontal pocket, favouring a deep decontaminant effect.

The most suitable substance to achieve these results is the ultra-concentrated hydrogen peroxide contained in SIOXYL+ Solution, able to hyper oxygenate the periodontal hard and soft tissue with a simple 2 minutes long irrigation. The liquid solution frees the singlet oxygen radical (particle with a very short half-life, around 0,0045 microseconds) able to bond the lipidic acids of the bacterial membrane and to dissolve it, causing the bacteriolysis.

The tests developed by professor Gianluigi Caccianiga from the University of Ferrara have shown that the hydrogen peroxide is particularly effective in the treatment of some bacterial strains like the *Prevotella Intermedia* and the *actinobacillus actinomycetemcomitans*. **The laser light irradiation, after the hydrogen peroxide irrigation, has instead shown effectiveness on all the periodontopathogenic bacteria, and, by the last in vitro experiments, also on the staphylococcus aureus resistant to antibiotics, responsible for skin infections in defected patients.**

Bibliography

Socransky SS, Haffajee AD, Cugini MA, Smith C, Kent RL Jr. | Microbial complexes in subgingival plaque. | J Clin Periodontol. 1998 Feb 25.



THE PAINLESS SOLUTION FOR A COMPLETE HEALING

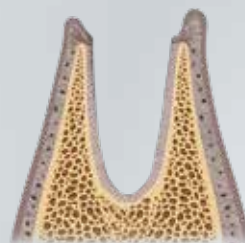
The decontaminant effect of SIOXYL+ Solution perfectly matches the new modern and minimally invasive dentistry concept, allowing an effective clean-up of the periodontal pocket thanks to its stabilized composition, and preparing the field for any and subsequent therapies. Periodontal infections nowadays represent pathologies of increasing observation: therefore, it is evident that the treatment of such diseases is a more and more relevant side of the future dentistry. Available in practical vials with foldable tips, in order to avoid waste and to achieve every area of the oral cavity, SIOXYL+ Solution is the right tool for the modern minimally invasive dentistry: in fact, can be largely used in treatments performed both by the dentist and the dental hygienist, to guarantee the patients a brand-new clinic experience.



PERIODONTICS
TREATMENT



PERI-IMPLANTITIS
TREATMENT



FAVOURS
THE OSTEOGENESIS



LAMBDA SpA

Via dell'Impresa, 1 | 36040 Brendola (VI) Italy
T +39 0444.349165 | F +39 0444.349954
info@lambdaspa.com | lambdaspa.com

Each package contains:

30 Vials 1.5 ml of SIOXYL+ Solution
15 Disposable Tips



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