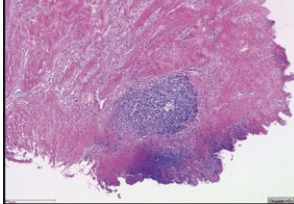


Microscopic cut through the papilla after transgingival / bulb irradiation with added EmunDo®. The picture shows tissue free of nekrosis.

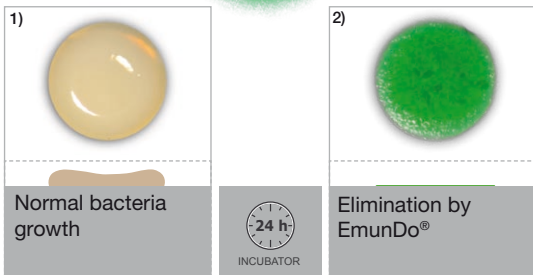
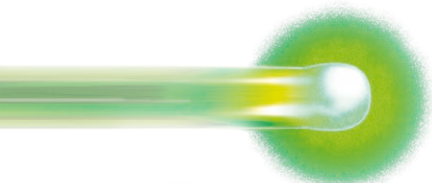


Microscopic cut through the papilla after transgingival / bulb / fiber irradiation with added EmunDo®. - Coagulation with the fiber at 0.3 Watt. The figure shows necrotic tissue due to higher input of energy.

Photodynamic Therapy with EmunDo® is the Key to successfully treat Periodontitis.

PDT with EmunDo® will be the new standard in dentistry. The only effective PDT treatment. EmunDo® - in combination with our FOX 810 - is the perfect photodynamic therapy. EmunDo® is the substance which is able to eliminate unwanted organisms. In elaborate experiments and research, the anti-microbial effect of the system was confirmed. Both Gram positive and Gram negative bacteria can be treated by EmunDo®.

Activating EmunDo® takes place with as low as 300 mW of power. A.R.C. Laser will provide the necessary hand pieces and fibers - everything from one source.



EmunDo is a registered Trademark of A.R.C. Laser GmbH, Patent pending.

CE A.R.C. Laser certifies that the product complies to 21 CFR 1040.10 and 1040.11 EN 13485/2003 - 93/42 EWG



**A.R.C.
LASER**

enlighten your surgery.



Pave the Way for a healthy Gingiva with EmunDo®

Since the introduction of the laser in dentistry and periodontics, doctors have asked for a PDT treatment.

A.R.C. Laser in conjunction with the University of Aachen (AALZ), Germany offers training for use with EmunDo®.



EmunDo 100% anti-bacterial

For more information please contact:

A.R.C. Laser GmbH | 0911 217 79-0
 Bessemerstraße 14 | 0911 217 79 99
 D-90411 Nürnberg | info@arclaser.de
 Germany | www.arclaser.de

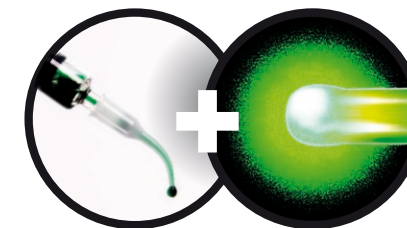
PDT from A.R.C. 810_{nm}
EmunDo® Emu **FOX₈₁₀**



The strength of our FOX 810nm plus the formula of our PDT EmunDo®!

This is the success for **Anti bacterial treatment.**

- Works effectively against Gram-positive and Gram-negative bacteria
- Laser activated substance
- The only true PDT treatment



* EmunDo: Patent Pending

**A.R.C.
LASER**
enlighten your surgery

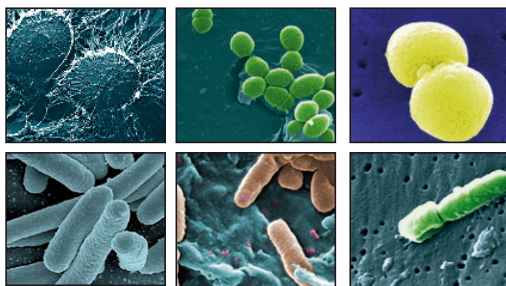


Pave the way for a healthy Gingiva.

Is it possible to reduce germs significantly with a PA-bag tabled PDT substance only by transgingival irradiation with the FOX laser? Yes – we concentrate on the mouth to kill unwanted bacteria, like:

- Staphylococcus aureus (+)
- Enterococcus faecalis und E. faecium (+)
- Streptococcus pneumoniae (+)
- Escherichia coli (-)
- Pseudomonas aeruginosa (-)
- Klebsiella pneumoniae (-)

EmunDo® is the way to go.



Source: Wikipedia.org

- Couples to the bacteria membrane
- Active absorption through Ca⁺⁺ channels
- Stimulating the aromatic circle to a higher energy level
- Healthy tissue will not be tinted
- Completely destroys germs
- Creates free oxygen radicals and stimulates further oxidative processes
- No uptake in the intestine



Treatment with EmunDo® is painless, free of side effects, and is safe for repeated use.

Your patients will enjoy:

- Improved, rapid wound healing
- Significant pain relief

- EmunDo®**
PDT-Perfect
- > 100% anti-bacterial
 - > Highly effective
 - > Periodontal treatment at its best
 - > 100% protection against germs in the bloodstream
 - > Perfect patient protection
 - > Biocompatible



PDT is as simple as as you can think of. You only need the FOX 810 nm laser and EmunDo®

- 1) Rinse the cleaned periodontal bags with EmunDo®
- 2) Consecutive irradiation with the intended hand pieces and fibers will effectively clean the mouth from unwanted germs

EmunDo® is certified in combination with the diode laser FOX 810 nm from A.R.C. Laser.

