



# REPAIR

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*Tratați cu eficiență pacienții care suferă de parodontoză (parodontopatie) printr-o metodă pe placul lor, minim invazivă.*

The  
NEW

# BIOLASE

Global Leadership in Lasers



# REPAIR

## REGENERATIVE ER,CR:YSGG PERIODONTITIS REGIMEN

**THE WATERLASE® ER,CR:YSGG PERIO REGIMEN** este prima metodă pas-cu-pas de folosire a laserului Er,Cr:YSGG în tratarea parodontopatiei în faze incipiente, medii și avansate. Constă în trei faze: pre-chirurgicală, chirurgicală și post-chirurgicală.

### **FAZA I: FAZA PRE-CHIRURGICALĂ**

Toți pacienții trebuie să beneficieze de o examinare care să cuprindă informații din diagramele parodontale și radiografiile, istoric medical și dentar și o evaluare a riscurilor.

Faza I de tratament se pune în aplicare pentru îndepărtarea biofilmului supra și sub gingival și a tartrului prin detartraj și chiuretaj radicular, dar și inițierea și evaluarea în igiena orală. Evaluarea ocluzală și tratamentul pot fi folosite în această fază. Imobilizarea dinților poate fi de asemenea o opțiune.

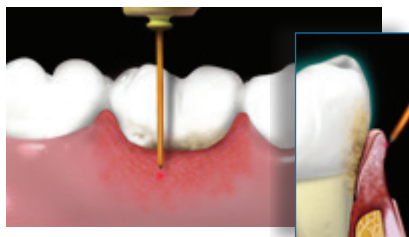
### **FAZA II: FAZA CHIRURGICALĂ**

Faza a doua, cea chirurgicală, se bazează pe reevaluarea inflamației parodontale și a igienei orale. Acest plan chirurgical se poate realiza atât pentru un dinte, cât și pentru mai mulți, un cadran sau jumătate de gură, în funcție de necesitate. Dacă se optează pentru acest plan de tratament, protocolul pentru jumătate de gură include UR/LR, urmat de minimum 2-3 săptămâni post-operatorii înainte de tratarea zonelor UL/LL.

1

### **DEEPITELIZAREA SUPRAFEȚEI EXTERNE A PUNGII PARODONTALE**

Epiteliul gingival de pe suprafața externă a pungii parodontale este îndepărtat până la o grosime cel puțin egală cu adâncimea pungii parodontale.



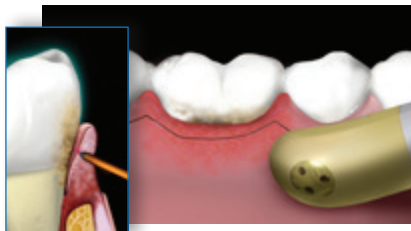
**WaterLase® iPlus™**  
Pre-set Settings

Tip: RFTP5  
Power: 1.5W  
Air/Water: 40%/50%  
Pulse rate: 30 Hz  
H mode

2

### **GINGIVECTOMIE (DACĂ ESTE NECESARĂ)**

Gingivectomia ar trebui să fie realizată doar dacă sunt existente pungi parodontale false. Asigurați-vă că nu compromiteți gingia atașată.



Tip: RFTP5  
Power: 1.5W  
Air/Water: 40%/50%  
Pulse rate: 30 Hz  
H mode

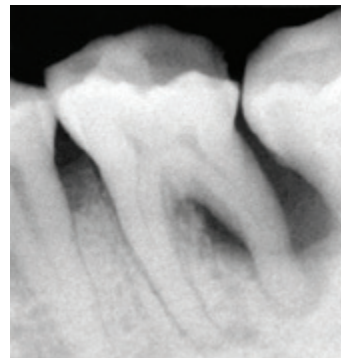




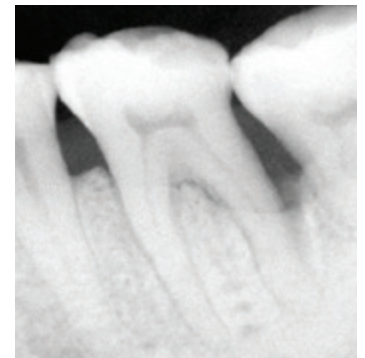
"WaterLase REPAIR is a highly effective, more aesthetic and more comfortable alternative to traditional surgical procedures for my patients."  
- Dr. Bret Dyer

## CASE 2

Courtesy of Dr. Bret Dyer



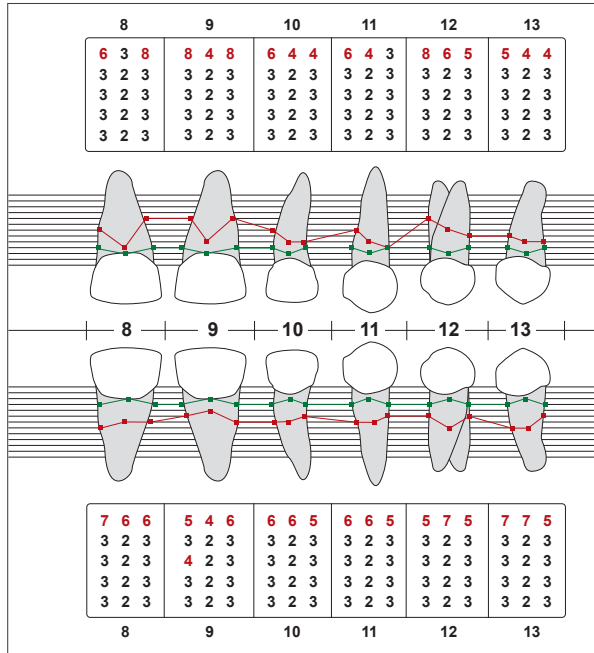
BEFORE



3 YEARS AFTER

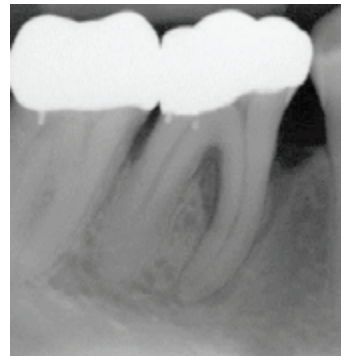
## CASE 1

Courtesy of Dr. Bret Dyer

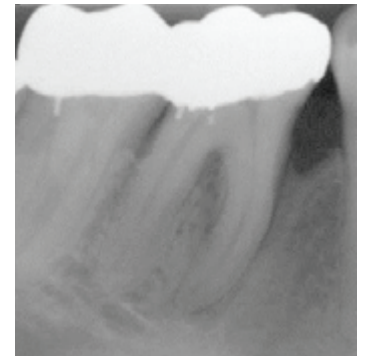


## CASE 3

Courtesy of Dr. Rana Al-Falaki



BEFORE



6 MONTHS AFTER

## CLINICAL EVIDENCE

M Gupta, AK Lamba, M Verma, et al. "Comparison of periodontal open flap debridement versus closed debridement with Er,Cr:YSGG laser." *Australian Dental Journal* 2013; 58: 41-49 doi: 10.1111/adj.12021

Dederich 2013. "Periodontal Bone Regeneration and the Er,Cr:YSGG Laser: A Case Report." *The Open Dentistry Journal*, 2013, 7, 16-19

Dyer, B, and E C Sung. "Periodontal Treatment using the Er, Cr : YSGG Laser." *Lasers in Surgery and Medicine*: 1442.

Hakki, Sema S et al. 2010. "Comparison of Er,Cr:YSGG laser and hand instrumentation on the attachment of periodontal ligament fibroblasts to periodontally diseased root surfaces: an in vitro study." *Journal of periodontology* 81(8): 1216-25. <http://www.ncbi.nlm.nih.gov/pubmed/20476883>

Kelbauskiene, Solveiga et al. 2011. "One-year clinical results of Er,Cr:YSGG laser application in addition to scaling and root planing in patients with early to moderate periodontitis." *Lasers in medical science* 26(4): 445-52. <http://www.ncbi.nlm.nih.gov/pubmed/20549280>

Kelbauskiene, Solveiga, and Vita Maciulskiene. 2007. "A pilot study of Er,Cr:YSGG laser therapy used as an adjunct to scaling and root planing in patients with early and moderate periodontitis." *Stomatologija / issued by public institution "Odontologijos studija" ... [et al.]* 9(1): 21-6. <http://www.ncbi.nlm.nih.gov/pubmed/17449974>.

Ting, Chun-Chan et al. 2007. "Effects of Er,Cr:YSGG laser irradiation on the root surface: morphologic analysis and efficiency of calculus removal." *Journal of periodontology* 78(11): 2156-64. <http://www.ncbi.nlm.nih.gov/pubmed/17970683>

Arnabat-Domínguez, Josep et al. 2010. "Advantages and esthetic results of erbium, chromium:yttrium-scandium-gallium-garnet laser application in second-stage implant surgery in patients with insufficient gingival attachment: a report of three cases." *Lasers in medical science* 25(3): 459-64. <http://www.ncbi.nlm.nih.gov/pubmed/19756837>

Walsh, Laurence. 2010. "Maximising gingival aesthetics using lasers." *Australasian Dental Practice* (August): 48-51.

René Franzen, Marcella Esteves-Oliveira, Jörg Meister, Anja Wallerang, Leon Vanweersch, Friedrich Lampert and Norbert Gutknecht "Decontamination of deep dentin by means of erbium, chromium:yttrium-scandium-gallium-garnet laser irradiation" *Lasers in Medical Science* Volume 24, Number 1, 75-80, DOI: 10.1007/s10103-007-0522-2



Scan the QR code for links to clinical articles

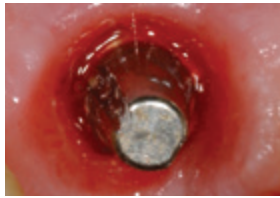
## ***VERSATILE. TREAT SOFT-TISSUE, TOOTH ROOT, AND BONE.***

The WaterLase iPlus combines YSGG laser energy and a patented spray of water to cut soft-tissue and bone, with reported benefits such as less swelling and post-op sensitivity, an optimal patient experience and greater case acceptance.

In soft tissue mode, the laser energy penetrates into tissues to seal blood vessels as it cuts, providing excellent hemostasis, which in turn provides you with a better field of vision during surgery.



PRE-OP



POST-OP



PRE-OP



IMMEDIATE POST-OP

### ***IMPLANTS***

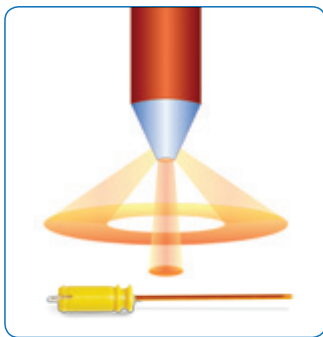
Improve productivity with implant related applications:

- Creating an aesthetic emergence profile
- Bone resection for autogenous bone graft harvesting
- Osteoplasty and osteotomy
- Implant recovery

### ***OSSEOUS CROWN LENGTHENING FOR SAME DAY REFERRALS***

Minimize tissue displacement and flap preparation in osseous crown lengthening. It assists in performing an externally beveled gingivectomy, shaping the free gingival margin, troughing, and recontouring or smoothing bone.

## ***INNOVATIVE. SOLVE YOUR POCKET ACCESS CHALLENGES.***



### ***THE RADIAL FIRING PERIO TIP™***

Our patented Radial Firing Perio Tip (RFPT) is superior to traditional laser tips used for periodontal therapy, featuring a unique design that precisely tapers to the tip. The result is primary radial emission of laser energy with a portion of straight emission, and better access to the narrow part of the periodontal pocket.

This provides more efficient irradiation of diseased or inflamed soft tissue as well as calculus deposits for treating moderate to advanced periodontal disease.