



**WaterLase\***

**ER,CR:YSGG CERTIFICATION TRAINING COURSES**

**LECTURES ARE IN ENGLISH LANGUAGE**

**BIOLASE**  
Global Leadership in Lasers

UNIVERSITY OF AACHEN, GERMANY  
September 15-16, 2016

## Workshop Lecturer



### Professor Norbert Gutknecht

Prof. Gutknecht studied medicine and dentistry from 1979 – 1989 at the Universities of Bochum, Florence and Aachen. Beginning in 1989 he worked as a scientific researcher at the University Hospital of the RWTH Aachen University. In 1990 and 1992 he did scientific research studies in the field of dental laser therapy at the University California San Francisco, USA. In 1993 he completed his Doctoral Thesis “*Dr. med. dent*” (PhD). In 1995 he received his “Master in application of Nd:YAG lasers in dentistry” in Phoenix, Arizona, USA. In 1998 he became an Assoc. Professor at the Department of Operative Dentistry at Aachen University Medical and Dental Faculty. In 2003 he was appointed as a full-time Professor at Aachen University, Medical and Dental Faculty

This laser certification training course is geared towards dentists, which would like to integrate dental laser therapy in their therapy spectrum. By using innovative therapy concepts and the development of new therapy fields in laser dentistry, you will not only satisfy your patients but also provide high quality advantages against your colleague dentists.

Furthermore you will create new business potentials for your dental clinic.

### Course Targets

Theoretical background, clinical indications, skill training and patient demonstration treatments are integral parts of the workshop. Biophysical basics and laser safety fundamentals are integrated in the course program. All relevant clinical indications of the 2780nm Er,Cr:YSGG laser and the 940nm diode laser will be showed and demonstrated. You will see live-patient demonstrations and you will learn the clinical indication in the skill training.

After finishing this workshop, you will be able to treat your patients adequate and successful with your WaterLase iPlus! The objective of the course is to enable dentists to treat patients with laser adjuvants and laser-based therapeutic methods, as highly qualified specialists, and in a responsible manner.

### Recomended Hotel

(3 Km from Aachen University) - Hotel Kasteel Bloemendal  
Bloemendalstraat 150  
Vaals, 6291 Netherlands

### Content

- ★ Knowledge of structure, function and handling of the 2780nm Er,Cr:YSGG laser
- ★ Responsible usage of a 2780nm Er,Cr:YSGG laser
- ★ Understanding of biophysical backgrounds (absorption and transmission in special tissues) of a 2780nm Er,Cr:YSGG laser
- ★ Correct and safe usage of all clinical relevant indications of a 2780nm Er,Cr:YSGG laser
- ★ Standardized treatment protocols for the different treatment indications
- ★ Carefully documented course materials serve as documentation for your daily practice

### Certification

After successful participation you will receive a Certification of Attendance issued by AALZ – Aachen Dental Laser Center and the World Clinical Laser Institute.

### Location and Fee

#### AACHEN, GERMANY

AALZ at RWTH Aachen  
University Campus  
ZBMT Building, 2nd Floor  
Pauwelsstrasse 17, 52074  
Aachen, Germany

#### FEE FOR THIS COURSE

€1,000 EUR

### For Information and Booking

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### Certified by:



## Program Schedule\*

### THURSDAY, 15 SEPTEMBER, 2016

- 9:00 Laser light, laser safety during dental treatment, biophysical interactions
- 10:30 Coffee Break
- 11:00 Endodontic and Periodontology with Er,Cr:YSGG and diode laser 940nm
- 12:30 Lunch Break
- 13:30 Clinical demo of clinical indications, skill training of clinical indications and handling of lasers
- 15:00 Coffee Break
- 15:15 Continuation
- 17:00 End of first day

### FRIDAY, 16 SEPTEMBER, 2016

- 9:00 Soft tissue therapy with Er,Cr:YSGG and diode laser 940nm
- 10:30 Coffee Break
- 11:00 Cariology, cavity preparation and hard tissue therapy with Er,Cr:YSGG laser
- 12:30 Lunch Break
- 13:30 Skill training of clinical indications and handling of laser
- 15:00 Coffee Break
- 15:15 Continuation
- 17:00 End of the course, delivery of certificates

\* Course is taught in English language



**WaterLase** \*iPlus™



## World Class Training

### **BIOLASE IS A WORLD LEADER IN LASER EDUCATION AND TRAINING**

With more than 14,000 global members, it is the largest dental and medical laser education organization in the world. WCLI symposiums are held frequently around the world.

### **CERTIFICATION TRAINING COURSES (CTC)**

Combining lecture and hands-on exercises, CTC teaches you essential soft-tissue, hard-tissue, perio (including REPAIR) and endo procedures that you can immediately provide your patients with new or enhanced treatment techniques that will improve their experiences in your practice. As you hone your skills, move on to Advanced Training Courses or even Master Level courses offered frequently in locations worldwide by WCLI or other laser organizations with associations with WCLI.

### **ADVANCED TRAINING COURSES (ATC)**

Develop your clinical skills with in-depth training on a particular technique or treatment. Advanced training courses offered for pediatrics and periodontics.



## **BIOLASE**

Global Leadership in Lasers

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