MEDICAL UNIVERSITY PLOVDIV

FACULTY OF DENTAL MEDICIN

CERTIFIED DENTAL LASER TRAINING IN MEDICAL UNIVERSITY PLOVDIV

www.oral-pathology.info/laser-training

PARTNERS

BULGARIAN DENTAL LASER SOCIETY

Member of WFLD
www.lasersociety.bg
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LIGHT INSTRUMENTS Ltd.

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VENUE

Medical University Plovdiv,
Faculty of Dental Medicine,
Dental Laser Center,
3 Hristo Botev Blvd.
4000 Plovdiv, BULGARIA

DD (decimal degrees)
Latitude 42.134099
Longitude 24.733239

DMS (degrees, minutes, secondes)
Latitude N 42°08'2.756"
Longitude E 24°43'59.66"

DENTAL LASER CENTER

Er:YAG (2940nm) | CO_2(10604nm) | Nd:YAG (1064nm) | Diode (810 – 980nm)

COURSE CONCEPT

The educational objective of the training is to provide LiteTouch dental laser users with an overview of the scientific fundamentals of LiteTouch laser, the device itself, safety issues and clinical guidelines in accordance with the Curriculum Guidelines and Standards for Dental Laser Education. This training will focus on all aspects of Er:YAG laser-assisted hard dental tissues and soft oral tissues treatment. Class I thru VI cavity preparations and laser periodontology&surgery procedures will be demonstrated on patients. This training is oriented to both new laser owners who desire quick-start of their laser practice and the laser dentists who want to increase their knowledge and expertise on various aspects of laser dentistry.

Accreditation body:
Medical University Plovdiv and Bulgarian Dental Laser Society (member of WFLD).

Accreditation level:
Diploma certificate in „Er:YAG Lasers Applications in Dentistry“.

OUR TEAM

Prof. Georgi TOMOV, PhD
Course Director, Chairman, Dental Laser Center, Faculty of Dental Medicine, Medical University Plovdiv

Prof. Ani BELCHEVA, PhD
Department of Pediatric Dentistry, Faculty of Dental Medicine, Medical University Plovdiv

Prof. Plamen ZAGORCHEV, PhD
Department of Physics and Biophysics, Faculty of Medicine, Medical University Plovdiv

Dr. Ivan NACHKOV, Msc
(oral and maxilofacial surgery)
Department of Periodontics, Faculty of Dental Medicine, Medical University Plovdiv

Dr. Blagovesta YANEVA, PhD
Department of Periodontics, Faculty of Dental Medicine, Medical University Plovdiv

Dr. Nikolay NIKOLOV
Department of Periodontics, Faculty of Dental Medicine, Medical University Plovdiv

COURSE PROGRAM

FIRST DAY (AM)

08:45 - 09:00	**Welcome Speach**	(Prof. G. Tomov)
09:00 - 09:30	**Complete LiteTouch Er:YAG dental daser overview** • LiteTouch dental laser technology • Tip selection & tip cleaning and mirror replacement • Safety issues (doctor's and patient's protection)	(Prof. G. Tomov)
09:30 - 10:00	**Er:YAG lasers scientific background** • Basic physics of lasers • Er:YAG laser - tissue interactions • Laser energy and temperature changes in soft oral tissues • Laser energy and temperature changes in hard dental tissues&bone • Laser ablation and morphological changes in hard dental tissues	(Prof. G. Tomov)
10:00 - 12:00	**The use of the LiteTouch Er:YAG laser in a restorative dentistry** Laser cavity preparation with LiteTouch – Scientific background and clinical application. Fundamental procedures: • Class I & V cavity preparation and adhesive protocol • Non-caries lesions treatment (erosion, cervical wear, enamel hypoplasia) Another dental tissues applications: • Porcelain veneers&ceramic crowns laser debonding • Treatment of dentinal hypersensitivity • LiteTouch assisted tooth bleaching	(Prof. G. Tomov)
11:00 - 12:00	**LiteTouch endodontic applications. Scientific background, indications and clinical steps**	(Prof. G. Tomov)
12.00 - 13.00		

COURSE PROGRAM

FIRST DAY (PM)

13:00 - 14:00	**Hard&Soft tissue procedures in pediatric dentistry and orthodontics. LLLT applications of LiteTouch (Gentle Treatments settings)** • Laser etching, enamel pit & fissure debridement and sealing • Deciduous teeth treatment (remineralization and cavity preparation) • Vital pulpectomy • Ceramic brackets laser debonding • Operculectomy and retained tooth uncover • Frenectomy&frenulotomy • LLLT applications of LiteTouch (Gentle Treatments settings)	(Prof. A. Belcheva)
14:00 - 17:00	**Hands-On session (restorative dentistry&endodontics)** • Laser etching and Class I & V cavity preparations • Laser-assisted endodontic irrigation • Clinical demonstrations	(Prof. A. Belcheva)
17:00	**Transportation back to hotel and free evening**	

COURSE PROGRAM

SECOND DAY (AM)

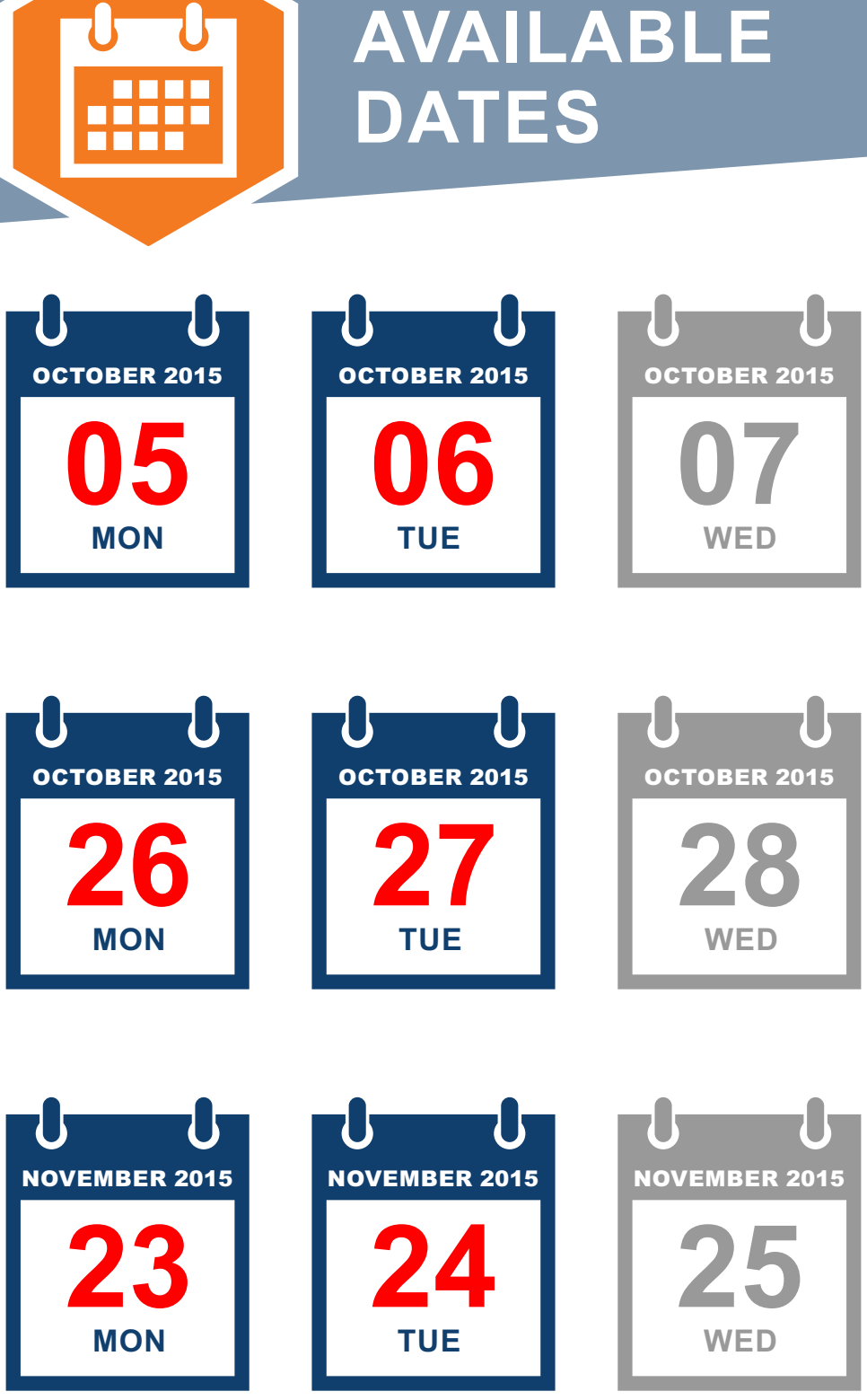
09:00 - 10:30	**The use of the LiteTouch in a laser assisted nonsurgical periodontal treatment** Introduction to LiteTouch applications in periodontology: • LiteTouch settings for nonsurgical periodontal treatment and aesthetic dentistry • Exposed root surfaces decontamination • Periodontal pocket debridement and granulation tissue ablation	(Dr. B. Yaneva)
10:30 - 12:00	**The use of the LiteTouch in a laser assisted oral surgery** LiteTouch assisted oral surgery: • LiteTouch settings, parameters and protocols for soft tissues&bone surgery • General maintenance issues and guidelines Different oral surgery special cases: • Periodontal surgery – Resective methods (Gingivectomy&Gingivoplasty), Open flap procedures and Regenerative procedures (GTR) • Bone surgery (apicoectomy, sinus elevation, furcation involvement) • LiteTouch in oral pathology (ablation, incision and excision; laser biopsy)	(Dr. N. Nikolov)
12.00 - 13.00		

COURSE PROGRAM

SECOND DAY (PM)

13:00 - 14:30	**The use of the LiteTouch in implantology - background and cases reports** • Advantages of LiteTouch in implantology • LiteTouch and GBR technique around natural teeth & implants • Bone ablation & recontouring , shaping and harvesting • Implant complications: mucositis and periimplantitis • Transmucosal implantation with LiteTouch	(Dr. I. Nachkov)
14:30 - 16:30	**Hands-On session (restorative dentistry&endodontics)** • Soft Tissue Procedures: frenectomy, gingival recontouring , crown lengthening • Hard tissue procedures: bone ablation, recontouring, smoothening, and shaping, apical resection • Clinical demonstrations	(Dr. I. Nachkov) (Dr. N. Nikolov)
16:30 - 17:00	**Quiz & Fixed quiz**	
17:30 - 18:00	**CERTIFICATION CEREMONY**	
18:00	**Transportation back to hotel and free evening**	

AVAILABLE DATES



PARTICIPATION FEE

2 DAYS COURSE

450 €

Price (in EUR) per person for 2-days course, including VAT

3 DAYS COURSE

550 €

Price (in EUR) per person for 3-days course, including VAT

INDIVIDUAL TRAINING

700 €

Price (in EUR) per person for individual training, including VAT

Please contact via Email: office@oralpathology.info

IMPORTANT NOTICE

- Program is subjected to changes; It might take longer, according to the participant's requirements and level

- The sessions will be accompanied by theoretical guidance and video examples as well as practical demonstrations on animal jaws and patients

- The participants will be divided into groups of 3 persons to achieve the best guidance and personal individual care