



EVENT PROGRAM



2025 EUROPE FORUM

MAY 16 – 17, 2025 ✦ INTERCONTINENTAL LISBON ✦ LISBON, PORTUGAL

PRESENTERS



Dr. Fred Barnett - United States

Dr. Barnett received his DMD degree in 1978 and his Certificate in Endodontics in 1981, both from the University of Pennsylvania, School of Dental Medicine. He received his Board Certification in Endodontics in 1988, has served as the Director of Postdoctoral Endodontics at the University of Pennsylvania, and is currently the Chairman and Program Director of the IB Bender Postdoctoral Endodontic Program at Albert Einstein Medical Center in Philadelphia.

Dr. Barnett has written numerous scientific and clinical papers and has lectured nationally and internationally on the Treatment of Endodontic Infections, Revascularization, Dental Trauma, Root Resorption and Contemporary Endodontic Treatment. Dr. Barnett is a Fellow of the International Association of Dental Traumatology, the International College of Dentists and the American College of Dentists. He received the Edward M. Osetek Educator Award in 2017 from the AAE and the 2018 Community Service Award from the Philadelphia Business Journal for providing endodontic services for the homeless in Philadelphia.

He currently serves on the Advisory Board of the Dental Traumatology Journal, is a Director of the International Association of Dental Traumatology and a former Associate Editor of the Journal of Endodontics. Dr. Barnett has been in private practice in Endodontics from 1981-2011.

Lasers in Endodontics: Not Just for Irrigation Activation

It is well known that root canal instrumentation does not eliminate all tissue, microorganisms, and biofilm from the root canal system which is why irrigation with antimicrobial agents is critical for success. Different agitation techniques have been proposed to improve the efficacy of irrigation solutions traditionally delivered by syringes, including sonic and ultrasonic devices. The use of erbium lasers has gained popularity over the past several years because of the beneficial cavitation, shock wave and acoustic streaming effects created by these wavelengths. Research has clearly shown that laser activation provides superior results as compared to sonic and ultrasonic activation.

In addition to Laser Activated Irrigation, we have been using these lasers for hard and soft tissue procedures in our postdoctoral Endodontic Residency program. The benefit of the YSGG wavelength for performing gingivectomies, crown lengthening, osteotomies, root resections, and ablation of granulation tissue in cervical resorption lesions, is significant in terms of improved efficiency and effectiveness. The YSGG wavelength provides unsurpassed hemostasis in these procedures.

This case-based, literature supported presentation will address the use of erbium lasers for conventional endodontic treatment as well as for soft and hard tissue procedures.

PRESENTERS



Dr. Jesus Creagh - Spain

Dr. Jesús Creagh is a distinguished dentist who graduated from the University of Seville in 2000. Renowned for his expertise in multidisciplinary facially guided treatments, he is a DSD Master, DSD KOL, and part of the elite network of DSD Clinics. Dr. Creagh co-directs the University Expert program in DSD, photography, video, and 3D digital planning at PGO-UCAM, where he shares his passion for innovation in digital dentistry.

Certified in Invisalign since 2001, he also serves as the Academic Director of both the European Master in Orthodontics and the International Master in Surgery, Periodontics, ROG, and facially guided implant prosthesis at PGO-UCAM in Seville. An honorary professor of the PGO-UCAM Degree in Dentistry, Dr. Creagh has earned international recognition, including the prestigious DSD Clinic GOLD Award in 2024 in Cape Town, South Africa.

Application of Digitally Guided Periodontics in Interdisciplinary Treatments

During the session, we will systematically review clinical cases, outlining step-by-step protocols aimed at achieving predictable outcomes. Emphasizing digital quality control, we will demonstrate how these procedures contribute to consistent results. Within the periodontal context, we will explore the parameters for facially guided crown lengthening and advocate for minimally invasive techniques, facilitated by laser therapy.



Dr. Mark Cronshaw - United Kingdom

Dr. Mark Cronshaw is a private practitioner in Cowes, Isle of Wight. Dr Cronshaw is a World leading expert on photobiomodulation therapies which he has fully integrated into his professional practice.

He qualified from Guys Hospital in 1984 and is a long established and highly experienced post graduate trainer. In collaboration with Professor Steven Parker, he runs a highly successful laser training academy in the UK and over the past five years has inducted over 600 dentists, hygienists and specialists in the clinical use of the Waterlase I-plus and the Epic x diode lasers. Dr. Cronshaw has developed an interest in high tech dentistry, aesthetic and cosmetic dentistry, minimally invasive techniques and holistic care.

Dr. Cronshaw is a Fellow of the WCLI and also a Fellow of the International Academy for Dento-Facial Esthetics. He taught as a member of the professorial faculty on the University of Genoa oral lasers Advanced Master's degree programme from 2014-2020. More recently, he completed a doctorate at De Montfort University, UK on dosimetry related to photobiomodulation (PBM) therapies. He has published over 30 evidence-based papers within the past five years on different aspects of PBM. Also, he has contributed chapters to a number of leading textbooks and is highly active in current research and development work.

Healing, Repair and Regeneration: Photobiomodulation and the 940 nm Epic X

Every dental professional recognises the difficulty of managing infection, pain and inflammation in daily clinical care. Also, stable reconstruction of function and aesthetics can require good quality healthy tissues and a high-level set of clinical skills. Lasers have remarkable properties which make them by far the instruments of choice to arrest infection, manage surgery, control and direct optimal tissue healing as well as mitigate post treatment pain and discomfort. In this lecture you will see many remarkable examples using the Epic X 940 nm Diode Lasers of directed healing and regeneration of tissues.

In addition, learn how to relieve trismus and relieve the pain associated with TMD, reduce oedema and pain associated with acute abscesses, reduce post-surgery pain and swelling, enhance the patient experience in periodontal care and much more. PBM adjunctive care transforms the patient experience and there is something here for all members of the dental team in this clinical feast of treated cases.

Dr Cronshaw has developed over 20 years of clinical experience into the anti-inflammatory, pain relieving and healing properties of laser energy. He is a World leading clinical scientist and he is highly active in current research and development.

PRESENTERS



Dr. Adam Postel - United States

Adam Postel, DMD is a board-certified pediatric dentist and a partner at Adelberg Montalvan Pediatric Dentistry and Orthodontics, Long Island's premier pediatric laser dental practice with four locations. He earned his dental degree from UMDNJ – Rutgers and completed his pediatric residency at Montefiore Hospital – Albert Einstein College of Medicine in New York. He was chief resident at Montefiore and further went on to become a board certified Pediatric Dentist. With over a decade of experience utilizing lasers in pediatric dentistry, Dr. Postel has advanced training in treating infant tongue and lip ties with laser technology. Beyond dentistry, he enjoys cheering for New York sports teams, traveling with his wife and two young children, playing tennis, and perfecting his pizza dough recipe.

Laser Tag: Winning the Battle Against Kids' Dental Fears!

Tag you're it! How to integrate lasers into your practice to treat the pediatric dental population. We will explore the innovative use of laser dentistry in pediatric dental care, highlighting its benefits, applications, and clinical outcomes. Laser technology has revolutionized pediatric dentistry by providing minimally invasive, precise, and often anesthesia-free treatment options for soft and hard tissue procedures with considerations specific to children.

Get ready to learn practical applications such as frenectomies for tongue-tied infants, cavity preparation, pulpotomies, and soft tissue contouring—all with reduced discomfort, bleeding, and faster healing times compared to traditional methods. We will look at clinical cases, best practices for implementation in a pediatric dental practice, and how laser technology enhances the overall patient experience. By integrating lasers into pediatric dentistry, clinicians can provide more comfortable and efficient treatment, improving both clinical outcomes and patient satisfaction.



Dr. Arnas Karkout - United Arab Emirates

Dr. Anas Karkout holds a Master's degree in the Science of Dental Lasers from the High Institute of Laser Research and Application, Damascus University. He has been practicing laser dentistry since 2012, and is an international laser instructor and lecturer. Dr. Karkout has been a guest lecturer in many events, all around the world.

Dr. Karkout has privileges of Implantology from Dubai Health Authority. He has been practicing laser dentistry and implantology at his own clinic in Dubai since 2014. He is also a member of the International Society of Laser Dentistry (ISLD), World Federation of Laser Dentistry (WFLD), Academy of Laser Dentistry (ALD), and he has obtained a Fellowship from World Clinical Laser Institute (WCLI).

Transforming Daily Practices and Enhancing Benefits with both ER,Cr:YSGG and 940nm Diode Laser

This lecture explores the transformative potential of laser technologies, specifically Er,Cr:YSGG, and 940nm diode lasers, in enhancing daily practices across various fields, including dentistry and surgical applications. By examining recent innovations and clinical applications, we illustrate how these laser systems improve precision, reduce recovery times, and enhance patient outcomes. The unique properties of Er,Cr:YSGG lasers facilitate efficient tissue cutting and ablation, while the 940nm diode laser offers advantages in soft tissue procedures and pain management. We will show some cases that demonstrate the effective integration of these lasers into routine practices (Implantology, periodontology, restorative dentistry, and all dental surgeries), showcasing their ability to streamline procedures, minimize discomfort, and foster patient satisfaction. Ultimately, this work emphasizes the role of laser technology in modern dentistry, advocating for broader adoption to maximize its benefits and improve overall treatment efficacy.

PRESENTERS



Dr. Pilar Martín - Spain

Dr. Pilar Martín graduated in 1987 from the Universities of La Laguna (Spain) and Universidad Odontológica Dominicana (Santo Domingo) with degrees in Medicine, Surgery and Dentistry. In 1996, Dr. Pilar completed her Post Graduate Course in Cosmetic Dentistry at the Baylor College of Dentistry in Texas. She has also been trained in the field of surgery with the Master in Implantology, Surgery, Periodontics and Prosthodontics in the University of Bern (Switzerland) in 2002.

In 2010, she completed the European Master Degree in Oral Laser Applications at the University of Barcelona and EMDOLA. After that, she received her Master of Laser in Dermo-aesthetic Pathology at the University of Barcelona. She holds Master of Science degree in Laser Dentistry from RWHT University in Aachen, Germany, and is the Official Representative for AALZ (Aachen Dental Laser Center) in Latin America and Spain. Dr. Pilar has attained Mastership certification in WCLI (World Clinical Laser Institute) in 2011 (Baltimore, Maryland) and recently, she was named the Official Representative of the WFLD (World Federation for Laser Dentistry) in Spain to Official Representative of AALZ in Spain and Latin America.

YSGG Fractional Handpiece: Enhancing Skin and Orofacial Aesthetics

In this presentation, I will explore the benefits of the YSGG fractional handpiece in improving skin quality, tone, and overall appearance. This advanced laser technology offers an effective solution for treating scars, pigmentation irregularities, and various dermatological lesions, promoting smoother and healthier skin with minimal downtime. By stimulating collagen production and cellular regeneration, the fractional handpiece enhances skin texture while maintaining a safe and controlled approach.

Beyond dermatological applications, the YSGG fractional handpiece plays a significant role in orofacial rejuvenation. It provides a minimally invasive method to optimize the aesthetic and functional aspects of the face, improving skin firmness and reducing the appearance of fine lines and wrinkles. This technology is particularly valuable in enhancing perioral areas, contributing to a more youthful and refreshed appearance without the need for surgical interventions.

Throughout the presentation, I will discuss the mechanisms, clinical applications, and advantages of the YSGG fractional handpiece, emphasizing patient comfort and efficacy.



Dr. Carlos Eduardo Sá - Portugal

Dr. Carlos Eduardo Sá completed his master dental degree in the Universidade Católica Portuguesa in 2014. He has a post degree in clinic periodontics and another one in digital prosthodontics. He runs his own dental practice since 2015 and he is dedicated to oral rehabilitation with digital workflow. With his minimal invasive philosophy he incorporated the laser technology in his workflow. He is a fellow of ITI and WCLI. He loves to spend time with his son Mateus, electronic music and all kinds of water sports.

Clinical Applications of Lasers in Oral Rehabilitation

Laser technology plays an increasingly pivotal role in modern prosthodontics, offering enhanced precision and biological compatibility in both preparatory and therapeutic procedures. This presentation focuses on the integration of diode and YSGG lasers in prosthodontic workflows, emphasizing their applications in gingival contouring for esthetic crown lengthening, soft tissue management around abutments, and peri-implant tissue conditioning. Laser-assisted techniques facilitate bloodless operative fields, reduced postoperative inflammation, and accelerated healing, which are critical for optimal impression accuracy and prosthesis fit. Clinical protocols, wavelength-specific tissue interactions, and evidence-based parameter settings are discussed, supported by case studies demonstrating improved functional and esthetic outcomes in fixed and implant-supported prosthodontic rehabilitation.

PRESENTERS



Dr. René Franzen - Germany

Dr. René Franzen has been the Scientific Director at AALZ Aachen Dental Laser Center, where he has taught and researched dental laser applications and use cases since 2001. He has more than 100 publications related to this field. As the former head of preclinical research and education at AALZ, he is now a course director of the Master Professional Lasers in Dentistry at SFU Sigmund Freud Private University in Vienna, Austria. Furthermore, he is a member of ISLD, DGL, and a board member in the journals Lasers in Dental Science and Biomedicines.

Biophysics of 940nm Diodes & 2780nm YSGG Lasers

This lecture shall offer a comprehensive overview of the fundamental principles and clinical applications of two laser systems in dentistry: the 940nm diode laser and the 2780nm Er,Cr:YSGG laser. Their physical properties, including wavelengths and their influence on the absorption characteristics, as well as different pulsing modes will be introduced, and how these factors influence their interactions with biological tissues.

The 940nm diode laser, with its high absorption in melanin and hemoglobin, is particularly effective for soft tissue procedures, offering precise cutting and coagulation with minimal thermal damage when operated within optimal power settings. In contrast, the Er,Cr:YSGG laser, emitting at 2780nm, exhibits strong absorption in water and hydroxyapatite, making it suitable for both soft and hard tissue procedures.

The lecture will also look at research findings, including studies co-authored by the presenter, that demonstrate the efficacy of solitary and combined laser use in enhancing the clinical potential of these devices. For instance, the synergistic use of Er,Cr:YSGG and diode lasers have shown promising results in reducing dentin hypersensitivity and improving bacterial elimination in endodontic treatments.

PRESENTERS



Dr. Marina Polonsky - Canada

Dr. Marina Polonsky graduated from the University of Toronto, Canada in 1999, with the Dean's Gold Medal of Achievement and maintains a private general practice in Ottawa, Canada, with focus on multi-disciplinary treatment utilizing lasers of different wavelengths.

Dr. Polonsky holds a Mastership with WCLI (World Clinical Laser Institute), Master of Science in Lasers in Dentistry degree from RWTH University in Aachen, Germany. She is a recipient of Mastership Certificate with ALD (Academy of Laser Dentistry) and is a recognized member of the ALD Speaker Bureau. Dr. Polonsky is a founder of the Canadian Dental Laser Institute (CDLI), an organization dedicated to providing quality continuing education in Laser Dentistry in Canada. CDLI is the only ALD affiliated international study club in Canada.

Dr. Polonsky is actively involved in the educational aspect of dental laser technology by teaching laser safety courses, Diode and Erbium certification courses, as well as lecturing world-wide on laser-assisted dentistry. She is a key opinion leader (KOL) and a Clinical Mentor for Biolase Technologies Inc. and has been involved in the development of the newest all-tissue laser system, Waterlase Express. Dr. Polonsky is the author of multiple scientific papers, reviews and case reports on the uses of lasers in dentistry, she is the chief editor for JLAD (Journal of Laser-Assisted Dentistry) and a peer-reviewer for LIDS (Lasers in Dental Science) by Springer. Since 2017, Dr. Polonsky has become the Chief Editor of Laser Dentistry issue of the Oral Health Journal and is a member of the Executive Committee of Oral Health.

From Bonding to De-bonding: A YSGG Restorative Advantage

Over 20 years of research support incorporation of YSGG laser technology into general practice. Of special interest to dental professionals who focus on restorative procedures is reduced need for anesthesia, less micro fractures, surface disinfection, smear layer removal, acid resistance and minimally invasive nature of laser assisted cavity preparation. If the focus is on aesthetic rehabilitation, then the topics of interest may be aesthetic crown lengthening and advantages of closed flap approach to establish ideal gingival architecture and removing crowns and veneers with safety and confidence. If you are a super GP who enjoys many different aspects of restorative dentistry, this is the lecture for you!

FRIDAY, MAY 16, 2025

COIMBRA ROOM A&B

7:30AM to
8:30AM

Registration

8:30AM to
8:40AM

Opening Remarks & Welcome Address — Dr. Marina Polonsky

8:40AM to
10:10AM

Lasers in Endodontics: Not Just for Irrigation Activation — Dr. Fred Barnett

10:10AM to
10:30AM

Morning Break — Foyer

10:30AM to
11:30AM

Biophysics of 940nm Diodes & 2780nm YSGG Lasers — Dr. Rene Franzen

11:30AM to
12:50PM

YSGG Fractional Handpiece: Enhancing Skin and Orofacial Aesthetics —
Dr. Pilar Martin

12:50PM to
2:00PM

Lunch — Porto Room

2:00PM to
3:30PM

Transforming Daily Practices and Enhancing Benefits with both ER,CR:YSGG and 940nm Diode Laser — Dr. Anas Karkout

3:30PM to
3:50PM

Afternoon Break — Foyer

3:50PM to
5:10PM

Clinical Applications of Lasers in Oral Rehabilitation — Dr. Carlos Eduardo Sa

5:10PM to
6:00PM

Laser Physics Review for Associate Fellowship Examination (Optional) —
Dr. Marina Polonsky

6:00PM to
7:00PM

Cocktail Hour

7:00PM

Gala Dinner

SATURDAY, MAY 17, 2025

COIMBRA ROOM A&B

7:30AM to
8:30AM

Associate Fellowship Examination (Optional)

8:30AM to
8:40AM

Second Day Opening Remarks — Dr. Marina Polonsky

8:40AM to
10:10AM

Application of Digitally Guided Periodontics in Interdisciplinary Treatments —
Dr. Jesus Creagh

10:10AM to
10:30AM

Morning Break — Foyer

10:30AM to
11:50AM

"Laser Tag: Winning the Battle Against Kids' Dental Fears — Dr. Adam Postel

11:50AM to
1:10PM

Lunch — Porto Room

1:10PM to
2:10PM

Elevating Patient Comfort and Outcomes with the YSGG All-Tissue Laser —
Panel Discussion (Dr. Barnett, Dr. Martin, Dr. Creagh, Dr. Karkout, moderated by
Dr. Cronshaw)

2:10PM to
3:30PM

Healing, Repair and Regeneration: Photobiomodulation and the 940 nm Epic X —
Dr. Mark Cronshaw

3:30PM to
3:50PM

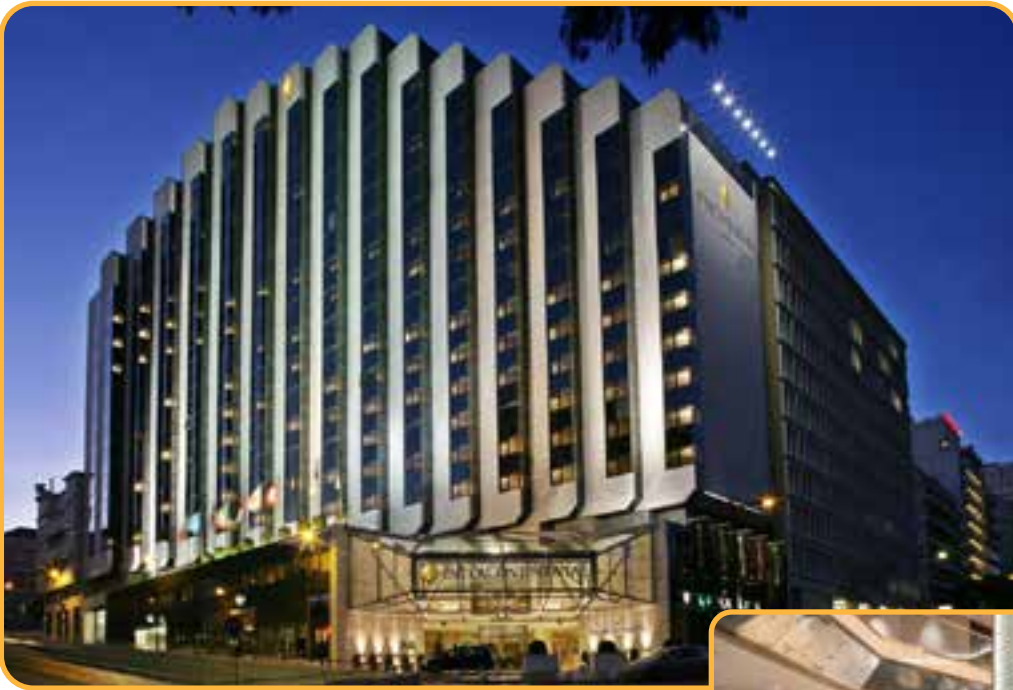
Afternoon Break — Foyer

3:50PM to
4:50PM

From Bonding to De-bonding: A YSGG Restorative Advantage — Dr. Marina Polonsky

4:50PM to
5:00PM

Closing Remarks — Dr. Marina Polonsky

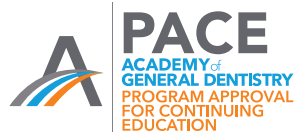


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