



# 2021 INTERNATIONAL SYMPOSIUM

OCTOBER 9–10, 2021 ✦ MANDARIN ORIENTAL, JUMEIRAH ✦ DUBAI, UAE





2021 INTERNATIONAL SYMPOSIUM ✦ OCTOBER 9-10, 2021

# THE WORLD CLINICAL LASER INSTITUTE

The World Clinical Laser Institute is a close-knit network of thousands of dental professionals who share a passion for improving the patient experience and building the best possible practice. We welcome you to this exciting symposium event and are excited to share our unique blend of education, fellowship and fun while learning about the latest trends in laser dentistry.



Visit [WCLI.org](http://WCLI.org) for more information.

MANDARIN ORIENTAL, JUMEIRAH ♦ DUBAI, UAE





2021 INTERNATIONAL SYMPOSIUM ✦ OCTOBER 9-10, 2021



# MANDARIN ORIENTAL, JUMEIRAH

Overlooking both the pristine waters of the Arabian Gulf and Dubai's glittering skyline, Mandarin Oriental Jumeira, Dubai is a stunning destination with an enviable beach setting. With its inviting interiors and unmatched levels of service, the resort brings a new wave of luxury to the shores of Dubai.



<https://www.mandarinoriental.com/dubai/jumeira-beach/luxury-hotel>

MANDARIN ORIENTAL, JUMEIRAH ✦ DUBAI, UAE



## DR. DAVID MINJOON KIM ✦ USA

Dr. David Kim received his dental degree (D.D.S.) from the University of Maryland Dental School, and completed his periodontology training and Doctor of Medical Science (D.M.Sc.) in oral biology from the Harvard School of Dental Medicine. Currently, as an Associate Professor at the Harvard School of Dental Medicine, he is also the Director of the Postgraduate Program in Periodontology and the Continuing Education at the Harvard School of Dental Medicine.

Dr. Kim's clinical and research interests have been on the use of innovative concepts, technologies and biomaterials to enhance intraoral soft and hard tissue formation, especially by incorporating the tissue engineering concept to repair and regenerate soft and hard tissue volume for patients requiring dental implants to replace missing teeth. He has conducted several research projects utilizing laser in treating periodontal diseases as well as treating peri-implantitis and they have been published in peer review journals.

Dr. Kim is a past recipient of the Joseph L. Henry Award recognizing excellence in research and clinical training from Harvard. In addition, he received Balint Orban Research Award, Award for Outstanding Teaching and Mentoring in Periodontics, and Teaching Fellowship from the American Academy of Periodontology. He is a diplomat of the American Board of Periodontology and maintains a clinical practice in Boston, Massachusetts, USA.

### ***Saving Periodontally Compromised Teeth and Ailing Dental Implants with YSGG Laser Therapy***

The goal of periodontal and peri-implant therapies is to preserve compromised dentition and ailing dental implants and at the same time change their long-term prognosis so patients can sustain healthy bone and soft tissue to support teeth and implants. Dental Laser has been advocated to achieve this goal over traditional nonsurgical and surgical treatments, and this presentation will inform participants on what is possible and what is not possible with the YSGG laser therapy.



## DR. ARIEL SAVION ✦ ISRAEL

Ariel Savion is a board certified diplomate in oral Implantology (ICOI), and during study in oral Implantology at Frankfurt University, he received his "Mastership" and "Master of Science" in laser dentistry degree from Aachen University.

Dr. Savion a board member of the International Association Microscopic Dental Club that promotes microscopic dentistry worldwide. Dr. Savion is the owner of the "Savion Study Club", a learning platform in "laser assisted microscopic surgery & dentistry". In his private clinic, he focuses in laser assisted Implantology and aesthetic dentistry in a minimally invasive approach. Moreover, Dr. Savion is a dental photographer under microscopic magnification that highlights his passion and precision in the dental and surgical field.

### *Lasers in Aesthetic Dentistry*

Laser assisted dentistry in daily practice will change your professional life for better. Under minimal invasive approach we enable to improve life of our patients. There are many benefits working with lasers in dental and surgical field. Nowadays lasers are innovative way to do dentistry. In presentation, we will focus on laser assisted dentistry under minimal invasive concept with maximum aesthetic outcome.



## DR. GABRIELE SCHINDLER-HULTZSCH ✦ GERMANY

Gabriele Schindler-Hultzsch DDS MSc is a graduate of Dental School (Staatsexamen), Ludwigs-Maximilians-University (LMU), Munich, Germany. She completed post-graduate study in pediatric dentistry at Philipps-University Marburg and Justus-Liebig-University (JLU) Giessen, Germany.

Dr. Schindler-Hultzsch lectures in the Master of Science postgraduate study at Philipps-University Marburg, Germany and RWTH Aachen University, Germany, is a board member of the German Society of Laser Dentistry (DGL), an adjunct faculty member Aachen Dental Laser Center (AALZ) at RWTH Aachen University, Germany. Dr. Schindler-Hultzsch is a member of the German Scientific Dental Association (DGZMK), German Association of Dental Hypnosis (DGZH), Interdisciplinary Research Group of Dental Anesthesiology (IAZA), German Association for Pediatric Dentistry (DGKiZ), European Academy of Pediatric Dentistry (EAPD), International Association of Pediatric Dentistry (IAPD), and the German Association of Laser Dentistry (DGL). She is currently a private practitioner in Aichach, Germany.

### *Laser-assisted Pediatric Oral Surgery Combined with Digital Volume Tomography – a Milestone for Laserkids™*

Oral surgery in children often needs to be done under general anesthesia dependent on the age, compliance, medical condition of the child, kind and size of treatment and time needed for the surgical procedure. Considering oral surgery in adults – digital workflow based on 3-D imaging, diagnostic, scanning and planning has found its way into implantology and constitutes an essential part for a precise, predictable surgical procedure.

The new 3-D Laserkids™ Concept is an atraumatic approach of in-office pediatric oral surgery using the technique of 3-D diagnostic in combination with minimally invasive surgical laser treatment which is a big step forward in facing difficult cases in pediatric dentistry. The lecture will present different pediatric patients diagnosed and planned with the help of digital volume tomography (Orthophos SL 3D, Dentsply Sirona). Indications range from supernumerary incisors and premolars, retained teeth and mesiodens, multiple odontoms and tooth anomaly.

Considering the impact of surgical procedures and general anesthesia on pediatric patients and parents, the new 3-D Laserkids™ Concept with the combination of high-resolution 3D-diagnostic, digital planning followed by minimally invasive laser-assisted surgery is a milestone in pediatric oral surgery and for all Laserkids™.





## DR. MARK KRONSHAW ✦ UK

Dr Cronshaw has used lasers in his daily clinical practice since 2005 and he maintains a busy private general practice in Cowes, UK. He was appointed a Professor a.c. at the University of Genoa 2014-2020 where he taught the level two masters in science course in oral laser applications and he lectures on oral laser applications worldwide.

As a researcher and active clinician Dr. Cronshaw has published over 20 recent scientific papers in the evidence based peer reviewed press on many clinical laser applications including periodontics, orthodontics, oral mucositis in oncology, pain control as well as delivery parameters in photobiomodulation therapies.

His clinical interests are in phototherapy, aesthetic dentistry, holistic dental care, minimally invasive dentistry as well as the application of laser therapy as an adjunct to tissue regeneration and pain management in periodontics and surgery.

Dr Cronshaw is actively involved in continued clinical research into laser tissue interaction in regards to clinical phototherapy and is currently studying for a doctorate at Birmingham University.

### *Healing, Repair & Regeneration: the Dual Wavelength Approach to Optimal Clinical Care*

All experienced laser users recognize the marked difference compared to the traditional approach in the immediate and post-operative healing profile of patients treated by laser. Less pain, rapid resolution of acute symptoms, excellent quality healing and a powerful tool to support the regeneration of tissues. The science underlying this phenomenon has been subject to extensive research. Based on in-vitro, animal and human studies we are now able to refine our management protocols.

Based on his own current leading-edge research this presentation gives a brief overview of the underlying science with a strong emphasis on the applied aspects of optimizing clinical results in surgery, periodontics, oral medicine and the management of acute inflammation and pain. Fully illustrated with many interesting clinical case examples this presentation provides detailed advice on the selective application of both the 940nm Epic diode laser and the 2780 nm Waterlase iPlus YSGG laser in order to achieve consistent excellent results.



## DR. JUSTIN KOLNICK ✦ USA

Dr. Kolnick received his B.D.S. cum laude from the University of the Witwatersrand, in Johannesburg, South Africa. He was the first dental school graduate to be awarded the prestigious University Scholarship for Overseas Postgraduate Study. In 1982, he completed his postdoctoral endodontic training at Columbia University School of Dental and Oral Surgery in the City of New York.

For the past 35 years, Dr. Kolnick has been in private practice limited to endodontics in Westchester County, NY. His practice, Advanced Endodontics of Westchester, includes a partner and three associates and is dedicated to fostering excellence in endodontics through education and the incorporation of the latest technology. In 2011, Dr. Kolnick created The Endodontic Microsurgery Group in a unique, state-of-the-art facility dedicated entirely to endodontic microsurgery and sedation.

Dr. Kolnick has been committed to endodontic education, first as an Associate Clinical Professor in Endodontics at Columbia University and then as an Attending at Westchester Medical Center and an Associate Clinical Professor in Endodontics at New York Medical College. Although he no longer holds these positions, he continues to lecture extensively on a local, national and international level and has published several articles on endodontics.

### *Single Visit, Laser-Assisted Endodontics*

While single-visit endodontics affords many advantages to patient and dentist alike, a high level of endodontic competence is required to achieve these benefits on a consistent basis. Chief amongst these is the ability to clean, shape and disinfect complex root canal systems together with the skill to deal with complications such as intricate canal anatomy, loss of patency, calcified root canals as well as to achieve drainage and decompression of periapical tissues. Accomplishing all this in a single visit can be a daunting task.

This lecture will discuss the pros and cons of single-visit endodontics and present a laser-assisted treatment philosophy that promotes a high level of success in the management of these cases.





## DR. SUCHETAN PRADHA ✦ INDIA

Dr. Pradhan has been at the forefront of dental education since the last 30 years. He is the President of International Academy of Laser & Digital Dentistry and has been the Editor of the International Journal of Laser Dentistry. He was a visiting professor at Taipei Medical University and is presently the adjunct professor at D.Y. Patil, Dental College, Navi Mumbai and is the Director of the Department of Laser Dentistry, Manipal University and is the CEO of Pradhan Dental Centres.

He has been invited to lecture extensively in over 25 countries including the Harvard School of Dental Medicine. He has published several papers and has authored a chapter on Lasers in Implant Dentistry in 'Lasers in Dentistry – Current Concepts' published by Springer International 2017. His area of research focuses on the use of lasers in clinical implant dentistry, aesthetic dentistry and digital dentistry.

### *Minimally Traumatic Surgical Options with Lasers in Implant and Aesthetic Dentistry*

Lasers have revolutionized surgical dentistry by minimizing the post-operative trauma and complications. This presentation will look specifically at the surgical use of lasers in implant and aesthetic dentistry. We will present protocols for simplification and predictability of treatment outcomes to enhance the patient experiences in your practices. We will also present newer therapies for minimally invasive patient-centered simplification.



## MANAF TAHER AGHA ✦ UAE

Dr. Manaf Agha received his DDS at Aleppo University with post-graduate studies in periodontology, has a Mastery of Laser Dentistry from Vienna University, and is the former head of the Practice and Licensure Committee of the Aleppo Branch of the Syrian Dental Association. He is also the former Chairman of the Scientific and Research Committee of the Academy of Laser Dentistry (ALD) in the US, as well as Co-Founder and former Secretary General of the International Academy for Laser Education in Vienna, Austria.

Dr. Agha currently is a private practitioner based in Dubai, UAE. He is the President of the Academy for Laser Education (ALE), UAE branch, Head of the Laser Research Unit at Ajman University, UAE since 2007, teaching laser and modern technology for 5th year and post-graduate students, and an ALD Speaker Bureau Member. In addition to being an international lecturer, Dr Agha has also published numerous papers on laser dentistry, and is a contributor to the book Microinvasive Dentistry by John Graeber.

### *Dental Lasers in Modern Daily Practice*

In the past decades the theoretical concept of 'Laser applications in Dentistry' has been established. This concept implies several changes to the widely adopted 'cut and suture' and 'radical' strategies when managing hard and soft tissues procedures. In the past fifteen years the indication for using lasers on tooth surfaces and mucosal tissues including gingiva, has been extended. New generations of Er,Cr:YSGG and 940 nm Diode lasers have been introduced to best dental clinics of world with very high success and patient acceptance rates. Cavity preparation techniques, Endodontic, Perio treatments and gingival or oral surgeries using these lasers have been scientifically evaluated in more depth and last but not least many FDA clearances have been achieved for different dental procedures. Thus, there is a need to re-think decision making for either non-, micro- or minimum-invasive treatment options at various tooth and oral mucosa sites to reduce the side effects of old fashion dental strategies like suturing for any small oral or gingival surgery and excavating healthy enamel and dentin. The presentation will focus on the daily laser procedure in the dental clinic





## 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, 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.

### *Dental Laser Practice in Post-Pandemic World: Lessons Learned*

A look back to 2020 and 2021 and how the global pandemic changed the face of dentistry. From the shut-down and learning how to collaborate virtually to re-opening and practicing in the new AEROSOL-conscious world. This presentation will cover some important benefits of diode and YSGG laser technology in promoting better and safer patient related outcomes as well as optimizing your laser practice with respect to time management and follow time.

# SATURDAY, OCTOBER 9, 2021 ✦ MANDARIN ROOM 1

<b>7:30AM - 9:00 AM</b>	<b>REGISTRATION</b>
9:00 AM - 9:20 AM	Dr. Marina Polonsky (Canada) <b><i>Opening Event &amp; Welcome Address</i></b>
9:20 AM - 10:50 AM	Dr. David Minjoon Kim (USA) <b><i>Saving Periodontally Compromised Teeth and Ailing Dental Implants with YSGG Laser Therapy</i></b>
<b>10:50 AM - 11:10 AM</b>	<b>BREAK</b>
11:10 AM -12:30 PM	Dr. Gabriele Schindler-Hultzsch (Germany) <b><i>Laser-assisted Pediatric Oral Surgery Combined with Digital Volume Tomography - a Milestone for Laserkids™</i></b>
<b>12:30 PM - 1:40 PM</b>	<b>LUNCH</b>
1:40 PM - 3:10 PM	Dr. Suchetan Pradhan (India) <b><i>Minimally Traumatic Surgical Options with Lasers in Implant and Aesthetic Dentistry</i></b>
<b>3:10 PM - 3:30 PM</b>	<b>BREAK</b>
3:40 PM - 5:00 PM	Dr. Mark Cronshaw (United Kingdom) <b><i>Healing, Repair &amp; Regeneration: the Dual Wavelength Approach to Optimal Clinical Care</i></b>
5:00 PM - 6:00PM	Laser Physics Review for Associate Fellowship Examination (Optional)
<b>6:00 PM - 7:00 PM</b>	<b>COCKTAIL HOURS</b>
7:00 PM	Gala Dinner: Mandarin Room 2



# SUNDAY, OCTOBER 10, 2021 ✦ MANDARIN ROOM 1

7:30 AM - 8:30 AM	Associate Fellowship Examination (Optional)
8:30 AM - 8:40 AM	Dr. Marina Polonsky (Canada) <b><i>Second Day Opening Remarks</i></b>
8:40 AM - 10:10 AM	Dr. Justin Kolnick (USA) <b><i>Single Visit, Laser-Assisted Endodontics</i></b>
<b>10:10 AM - 10:30 AM</b>	<b>BREAK</b>
10:30 AM - 11:50 PM	Dr. Ariel Savion (Israel) <b><i>Lasers in Aesthetic Dentistry</i></b>
<b>11:50 AM - 1:00 PM</b>	<b>LUNCH</b>
1:00 PM - 2:00 PM	Panel Discussion (Dr. Kim, Dr. Kolnick & Dr. Pradhan) - Moderator: Dr. Mark Cronshaw <b><i>Role of Laser in Providing Better Patient Care in Dentistry</i></b>
2:00 PM - 3:20 PM	Dr. Manaf Taher Agha (Dubai, UAE) <b><i>Dental Lasers in Modern Daily Practice</i></b>
<b>3:20 PM - 3:40 PM</b>	<b>BREAK</b>
3:40 PM - 4:50 PM	Dr. Marina Polonsky (Canada) <b><i>Dental Laser Practice in Post-Pandemic World: Lessons Learned</i></b>
4:50 PM - 5:00 PM	Closing Remarks



Visit [wcli.org](http://wcli.org)