

SPEAKERS & PROGRAM

Microscope in Endodontics 2020: Present and Future

Enrico Cassai, DDS

Course Description:

The purpose of the lecture is to deepen the use of magnification in the endodontic field and its advantages. Through an historical excursus will be emphasized the incredible progress that is done from magnifying glasses to the Operating Microscope. Thanks to this technology every clinician has the possibility today to perform operations with better predictability such as removing posts, fractured instruments, treating perforations or in the endodontic surgical field. Finally we will try to look to the future by thinking about what we can still expect in the microscopic-endodontic field.

Learning Objectives:

- Learn the main advantages in Microscopic Endodontic
- Learn how to better use the Microscope in different fields of endodontics: from diagnosis to instruments or posts removing
- Understand the real potential of doing endodontics under microscope and discover new future applications

Microsurgical Endodontics: From Theory to Practice

Bertrand Khayat, DDS and Guillaume Jouanny, DDA

Learning Objectives:

- Fully understand the potential of the operating microscope in Endodontic Microsurgery
- Identify and address anatomical complexities with the use of the operating microscope
- Improve the microscope centered ergonomics during the surgical procedure

There is Nothing New Under the Sun. Lasers.

The Next Generation

Claudia Cotca, DDS, MPH

Course Description:

The lecture will review the application of optical physics lasers since inception and application in dentistry within medical science. Reflective of this, selected cases will be reviewed to parallel the extraordinary unique science and tissue interaction, and leading future application improvements. Additionally, it will showcase a select few innovative cutting-edge capabilities of leading global laser laboratories as strategically featured innovation or already launched prototypes to custom high level business client procurement.

Learning Objectives:

- Understand the application of optical physics to dentistry, specifically the unique aspect of lasers and tissue interaction.
- Learning to appreciate and expect the future of laser technology including existing developing unique cutting edge laser application development currently featured in select global laser laboratories and facilities.
- Learn and appreciate the adaptation and variation of laser technology to interdisciplinary dentistry case selection.

Patients HATE Traditional Dentistry! WTH!

Give 'em what they WANT-and get paid for it!

Angela Ward

Course Description:

I wish I had found your practice sooner! Why doesn't every dentist do dentistry this way? Why was my tooth ground and crowned when there was another option? Why wasn't I given a choice? We hear these statements every single day in our microscope-based practice. The tears, the anger, the disappointment, the broken trust. Exhausting and heart breaking. Pause for a moment to consider this: every time you treat a patient, you are making a lifelong footprint in their health. Many times, this footprint is irreversible-permanent. Before you pick up that handpiece and leave your footprint, join us as we explore what footprint your patient really expects. Patients hate traditional dentistry: small fillings needing bigger fillings, the ground and crowned routine, root canals, extractions...implants. The never-ending cost associated with redoing dentistry. Are you afraid to design a treatment plan that is the best care for your patient simply because insurance won't cover it or you think a patient can't pay for it? Do you fear the time and energy required to operate outside the scope of traditional dentistry? Do you and your team have a solid belief that every patient has the right to choose longevity and quality over cost and tradition? Join us as we explore the nuts and bolts of creating a patient focused, behaviorally sound microscope-based practice that leaves a life changing healthy footprint in the lives of your patients.

Learning Objectives:

- Attendee will learn and flesh out the essential characteristics that determine patient acceptance of a health-based treatment plan
- Attendee will learn the "WTF" of microscope-based dentistry
- Attendee will learn to educate and help their patients appreciate the value of ultraconservative, microscope-based dentistry
- Attendees will learn to attract and keep the "right" patient...not just a lot of new patients
- Attendees will leave with a personalized game plan for their office.

Seeing is Believing: Application of Optical Coherence

Tomography in the Research and Practice of Dentistry

Alireza Sadr, DDS, PhD

Course Description:

Over the past two decades dentistry has made important progresses, thanks to advancements in material science, technology and clinical techniques. Dental bonding revolutionized the shape and content of clinical dentistry, presenting a strong and minimally invasive alternative to the traditional materials. Our research groups has promoted 3D high-resolution in-depth real-time imaging using Optical Coherence Tomography imaging and analytical methodologies to detect and monitor dental defects such as caries at various stages, cracks and compromised restoration integrity. These visual observations, not ever observed before, lead to recommendations on

clinical diagnoses and procedures such as bonding protocols and material selection.

Understanding Platelet Rich Fibrin: From Biological Background to Clinical Indications

Richard J. Miron, DDS, BMSC, MSc, PhD, DMD

Course Description:

The use of platelet concentrates has had a long-history of use in various fields of medicine as an autologous source of growth factors fabricated utilizing centrifugation of blood under various conditions. While platelet rich plasma (PRP) was proposed as a first-generation platelet concentrate over 3 decades ago, over the past 10 years, platelet rich fibrin (PRF) has seen a steady increase in utilization for a variety of medical procedures due to its lack of anti-coagulation factors favoring fibrin clot formation and faster wound healing. More recently, the development of a liquid PRF provides a new formulation of liquid PRF without using anti-coagulation factors that may specifically be combined with currently available bone biomaterials favoring particle stability, angiogenesis and tissue integration. This talk aims to highlight the recent advancements made with respect to the newest formulations of platelet concentrates including recent developments in horizontal centrifugation and liquid concentrated-PRF to further speed wound healing and tissue regeneration for various clinical indications faced in routine daily dental practice.

Learning Objectives:

- Provide the biological background and scientific rationale for why platelet concentrates speed wound healing
- Introduce new protocols using horizontal centrifugation
- Provide clinical indications when, where and why to use PRF (membranes and liquid) in regenerative dentistry and facial esthetics

Macro and Micro Aesthetics, Face to Finesse

Laurence R. Rifkin, DDS

Course Description:

It is said "The Whole is the sum of its parts". Facial aesthetics is a science and an art. Therefore, if we wish to truly create facial beauty and not just cosmetic dentistry or smile makeovers that ignore the soft tissue frame around our teeth, we must consider both the hard and soft tissues that are the elements that our faces are comprised of. Additionally, we must never forget that our treatments must be biologically sound in diagnosis and precision execution. Optimal visual data and technology are keys to these goals.

MICRO AESTHETICS AND HEALTH - Dentistry is also a biologically and functionally based sub-specialty of medicine. As such dental professionals must address the presence of bacteria, viruses, pathogens and oral diseases in diagnosis and treatments. We work on a microscopic and cellular level in addition to the macroscopic level. Our diagnostic decisions are based upon clinical, radiographic, and photographic data when making optimal comprehensive treatment planning decisions. Our clinical surgical and restorative and laboratory execution of treatment is in part based upon our ability to see at an optimal level. Hence, the utilization of all forms of utilitarian technology supports the precision of our diagnosis and quality of our restorations. The Dental Operating Microscope is the optimal visualization tool both clinically and in the laboratory. On a cellular level the better fitting and smoother restorations aid in reducing pathogens and inflammation which in turn has biological oral and systemic health benefits. Aesthetic micro anatomy of our restorations is better visualized on the microscopic level as well. Internal ceramic elements of color, translucency and maverick colors in addition to the micro surface anatomy and textures are also enhanced when emulating the beauty of nature.

MACRO AESTHETICS - Smile designs are multiple as human anatomy varies with the individual and thus an artistic approach will provide the "Natural Organic Beauty" rather than the more easily teachable mathematical one. The "Contextualism" of each anatomical structure from deep to surface has its impact on adjacent structures. This must be considered in a three-dimensional layered evaluation to provide comprehensive and lasting aesthetics. Neuromodulators can be used for myofascial pain management and enhancement of a patient's smile through the action of inhibition of neurotransmission to muscle contraction. Dermal fillers may be used in the labial and perioral areas to enhance the aesthetics of a patient's smile through selective replacement of lost soft tissue volume once the underlying hard and soft tissue are controlled. Injections, pharmaceuticals, hard and soft tissue grafting materials and facial/dental anatomy are foundational to the dentist. Thus, utilization of injectables for cosmetic purpose as well as facial pain management should also be employed in our treatment options. Through education and training, the "Facial Aesthetic Dentist" may take cosmetic dentistry to another level of composition and facial beauty by considering the benefits of injectables as adjunct aesthetic treatments for our patients. The combination of biological, functional, artistic, and technological knowledge is a formula for greater success and outcomes for our patients and ourselves.

Learning Objectives:

- Dento-facial anatomy and beauty from the artist and dentist perspective.
- Building the smile in a "Layered" approach from hard to soft tissues.
- Basic understanding of injectables and appropriate usage and techniques in dentistry.
- Utilization of the dental operating microscope can aid in the precision of our restorative and surgical treatments both biologically and aesthetically.

New Patient Growth thru Digital Marketing

Ian McNickle, MBA

Course Description:

In this seminar we will explore the most important aspects of online marketing for dentists including website optimization, social media, online reviews / reputation management, SEO for Google rankings, PPC for new patient leads, and videos. Case studies will be used throughout the program to illustrate best practices. We will review how to track and measure results as well as how to determine Return on Investment.

Learning Objectives:

- Discuss recommended marketing services and budget for best results
- How to properly optimize a website to convert new patient leads

- SEO best practices to rank high on Google
- Review typical ROI (Return on Investment) for new patient generation

Prognosis for the Periodontally Compromised Tooth

Thomas J. Kepic, DDS, MSD

Course Description:

A Historical Perspective Along With Short and Long-Term Follow up of Cases. Establishing an accurate periodontal prognosis is paramount to case success. Prognosis is often thought of as being "static," established once, and never to change. However, proper periodontal therapy can alter a tooth's prognosis, if done in time. This course will show both short and long-term cases where prognosis has changed during therapy.

Learning Objectives:

- Identifying the clinical factors used in assigning prognosis.
- Understanding the historical research that leads to the modern day concept of prognosis.
- Defining the new concept of periodontal diseases and host susceptibility as factors used in determining prognosis.

Successful Business Structures: The Keys to Protecting Your Wealth

Nick Fortune

Course Description:

Learn how to protect your business and personal assets from litigation during this in-depth discussion on proper entity structuring, tax reduction and Medical License Protection. More and more lawsuits are exceeding the limits and caps of most insurance policies; it is more important than ever to use the proper legal structure to protect your Practice. Your Medical License is the most important asset you own, learn how to protect it forever. Invest in anything Tax-Free Using the Investment Grade Insurance Contract, and ultimately gain the freedom to run your Practice without worrying about protecting your hard-earned income from legal predators at this session.

Learning Objectives:

At the end of this course, the attendee will have learned:

- The proper legal structure for your business to maximize income tax education, The LLLP.
- The importance of Using The investment Grade Insurance Contract to Invest in anything Tax-Free.
- How to avoid probate and leave a tax-free estate
- Multiple sources of lawsuits that could ruin your business and personal financial future and how to protect against them
- How to eliminate losses from lawsuits not covered by insurance.
- How to protect their Medical License from reports to the NPDB and State Boards.

PharmaDMD+MEP - Pharmaceuticals and Emergencies in the Dental Office

John Roberson, DMD, FACS

Course Description:

Medical Emergencies happen in dental offices. They are not rare. Dentists and their staff must be ready, there can be no exception. The first 10 minutes are critical in a life-threatening emergency. This is an energetic, interactive lecture devoted to having dentists and their team ready on Monday. Every dentist and their team need to experience The L.I.F.E. Program.

Learning Objectives:

- What to do in the first 10 minutes of a medical emergency
- Recognize adverse reactions to drugs and implement appropriate interventions for those causing a medical emergency
- Understand and know the CORE 8 DRUGS (Critical Office Resuscitative Emergency Drugs) your office needs for medical emergencies:
- Recognize and discuss management of the DOME 16 (Dental Office Medical Emergencies):
- Legal Ramifications of adverse events in dental offices
- Case Presentations involving various medical emergencies that occurred in dental offices
- Describe all contents within the emergency drug kit and know their uses
- Medical emergency algorithms

Task-Specific-Rendering - A New Era of 3D Imaging in Dentistry

Bruno Azevedo, DDS

Course Description:

Cone Beam Computed Tomography (CBCT) has become an indispensable diagnostic imaging tool in clinical dentistry. In particular, high-resolution limited field of view 3D imaging volumes of the jaws provide dentists with higher diagnostic accuracy for bone, tooth, and root morphology and both tooth and bone-related pathology when compared to conventional intraoral digital 2D imaging. Because the use of CBCT imaging provides clinicians with a higher degree of confidence in the detection of anatomic variations and pathology, it acts as an essential clinical decision support tool in that it allows for valuable information on when to treat, how to manage and, just as importantly when not to treat. CBCT imaging is emerging as the scaffold for upcoming technologies such as 3D printing, dynamic navigation, and surgical guides and is being applied to better understand the healing process associated with grafted sites and previously endodontically treated teeth. Using clinical cases, we will demonstrate the effect of task-specific rendering filters and discuss in which clinical scenarios should they be applied in clinical dentistry and the impact of newly developed realistic 3D rendering for imaging diagnosis.

Learning Objectives:

- Be familiar with current technological advances in CBCT hardware and software.
- Understand basic and advanced 3D rendering reconstructions of CBCT data
- Integrate information presented in this course into efforts to improve the diagnostic imaging skills of participants

HANDS-ON WORKSHOPS

Hands-On: How To Restore The Endodontically Treated Tooth

ONE DAY-LIVE DEMONSTRATION COURSE FOR ENDODONTIST and RESTORATIVE DENTISTS

Randy Shoup, DDS / Matthew Nejad, DDS

Course Description:

Everything from sealing the canals to the final restoration. Under the direction of Dr. Randy Shoup, a step by step approach along with supported scientifically based principals will be presented followed by a live demonstration with the techniques described performed on extracted untreated teeth. Learn the processes, products and equipment utilized to achieve success in treating the endodontically treated tooth. Learn techniques to utilize immediately and implement into your daily treatment. Attendees are invited to bring their own loupes or utilize the available microscope. During the course, demonstration equipment will be available for attendee use.

Learning Objectives:

- Understand the principles of bonding to deep dentin with the most current scientific understanding
- Effectively seal the gutta percha filled canals with a composite resin system prohibiting the contamination of the root canal system from coronal leakage
- Create a high molecular weight poly propylene fiber scaffolding matrix within the evacuated pulp chamber
- Utilize new composite systems to create a dense and high adhesive core within the tooth
- Analyze and assess the remaining tooth structure; design a final restoration that reinforces the remaining healthy and sound tooth structure.

Seeing the LIGHT! - Soft and Hard Tissue Lasers in General Practice - Hands-On Workshop

TO BE ANNOUNCED

Course Description:

In this limited attendance hands on workshop attendees will see how dental lasers can be utilized to help with treatment outcomes in general practice. Soft tissue Diode lasers have become a go to piece of many dentists armamentarium for their role in tissue management, laser bleaching, soft tissue procedures such as frenetomies and lingual tongue tie release. Hard tissue lasers are able to be used for restorative preparations, as well as contouring of bone. Lasers do provide an alternative to many procedures but many clinicians are confused by which laser might be the best for

their practice. In this "See, Show, Do" hands-on workshop attendees will first SEE some clinical cases documented through microphotography and videography captured by the dental operating microscope. A live demonstration under the scope will SHOW how soft and hard tissue lasers can be used. The latter part of the session will then be used by attendees to try for themselves both soft tissue diode lasers and "all tissue" lasers while using a table top mounted microscope on pig jaws. See how lasers can become an important part of the armamentarium for your dental practice..

Learning Objectives:

- Discover the various wavelengths present in dentistry and see how they might be relevant for your practice.
- See how soft tissue diode lasers can be utilized for tissue management and in the delivery of minor soft tissue surgical procedures.
- Realize how "all tissue" erbium lasers can be used for restorative dentistry and in the ablation of bone.
- Understand how Low Level Laser therapy can be a vital treatment for your surgical cases.
- See how the synergy between Lasers and the Dental Operating Microscope exists.

Advanced Ergonomics in Microscope Dentistry & The Art of Microphotography

Jorge Zapata, DDS and Juan Carlos Ortiz Hugues, DDS

Facts and Applications:

- Introduction to ergonomics in dentistry/hands-on Introduction to dental ergonomics
- Operator Stool analysis. Different models and brands if possible.
- Microscope Ergonomic devices.

Hands On:

- Operator Stool- Microscope- Patient Chair (Positions)
- Operator Stool- Microscope- Patient Chair- Assistant (Positions)
- Stretching and recommendations

Course Description:

Ergonomics, also known as human factors, is a multidisciplinary science concerned with finding ways to keep people productive, efficient, safe, and comfortable while they perform a task. The basic premise is to make the task fit the person, rather than making the person adjust to the task. Dentistry is one of the most demanding professions with a high incidence of musculoskeletal disorders. Many professionals are retiring early because of neck, back, shoulder, arm, wrist injuries. This course will

outline the ergonomic benefits of the surgical microscope in dentistry, it will address appropriate posture while working with the microscope, how to position the microscope, how to position the patient and how to perform four-handed dentistry in order to work pain free, efficiently, and without stress. The course will also outline different stools available in the market, the properties of each and how to sit properly.

Learning Objectives:

- Learn and apply the principles of ergonomics in dentistry
- Learn about the most ergonomic stools in the market and test them.
- Learn how to sit properly with good available stools in the operatory in different positions.
- Learn the ergonomic benefits of the microscope in dentistry
- Learn how to sit the patient in the operatory chair in order to achieve better ergonomic position.
- Learn about four handed dentistry
- Learn how to prevent musculoskeletal disorders & the benefits of microbreaks and stretching during the work day.

and...

Course Description:

Microphotography is the art of capturing pictures through the dental operative microscope (DOM). One of the main differences between microphotography and macrophotography is that no lens is attached to the camera in microphotography. This course will outline the advantages of microphotographic documentation vs. the use of macrophotography and intraoral cameras. This course will, also, address the challenges the clinician faces in capturing quality images; these challenges include: controlling vibration, working in conjunction with live view monitors, and par-focal adjustment to assure clear focus of the camera.

Learning Objectives:

- How to improve flow of case documentation via microphotography with interruption of patient treatment and production
- How to increase communication and treatment plan acceptance through microphotographic documentation
- How to select the most useful cameras for your needs
- The basics of camera settings and how to capture quality videos and photographs with any mirrorless or DSLR camera
- How to develop a 3-D PARFOCAL.

HOTEL ACCOMODATIONS

Hyatt Centric The Loop Chicago

100 W. Monroe St, Chicago, IL, US, 60603 • Reservations: 844-262-2882

With a stay at Hyatt Centric The Loop Chicago, you'll be centrally located in Chicago, within a 10-minute walk of Willis Tower and Art Institute of Chicago. This 4-star hotel is 0.4 mi (0.7 km) from Millennium Park and 0.5 mi (0.8 km) from Cloud Gate. Make yourself at home in one of the 257 guestrooms featuring refrigerators and iPod docking stations. Complimentary wired and wireless Internet access keeps you connected, and 42-inch flat-screen televisions are provided for your entertainment. Bathrooms have bathtubs or showers and hair dryers. Conveniences include phones, as well as safes and coffee/tea makers. Enjoy recreation amenities such as a 24-hour fitness center or take in the view from a rooftop terrace. Additional features at this hotel include complimentary wireless Internet access, concierge services, and a fireplace in the lobby. Enjoy French cuisine at Cochon Volant, a bistro which features a bar/lounge, or stay in and take advantage of the room service (during limited hours). Full breakfasts are available daily from 6:30 AM to 10:30 AM for a fee. Featured amenities include a business center, express check-in, and express check-out. Planning an event in Chicago? This hotel has facilities measuring 2500 square feet (232 square meters), including meeting rooms. Self parking (subject to charges) is available onsite



MAKING RESERVATIONS

A dedicated website is now available for your attendees to book their hotel rooms online. Reservations can be made no later than Monday, September 21st, 2020 by calling 1-855-563-9749 or going online at <https://book.passkey.com/go/AMED2020>. All Guestrooms will receive the special group rate of \$249 per night, plus tax. Room, tax and incidentals are the responsibility of each individual.

