CONTENT

Welcome
Messages from dignitaries
Committee members
Day wise schedule
Speakers - Short Biography & Abstract
Thank you sponsors
Virtual Trade Booth

IFEA Onsite Congress 2021 : Invited Keynote Speakers
IFEA Onsite Congress 2021 : Country Representative Speakers
IFEA Onsite Congress 2021 : Registration Details

India Calling ; Must visit places
Explore India : Must Experience

IFEA WEC 2020 : Sponsors' Advertisements
See you soon
IFEA WEC 2020

Message from Dignitaries
Welcome message

Sung Kyo Kim
President, IFEA

Welcome to the International Federation of Endodontic Associations (IFEA) on-line version of the 12th World Endodontic Congress (WEC) 2020, Chennai, India.

Dear colleagues

It's my great pleasure to invite and welcome you dentists who are interested in endodontics and endodontists in the world to this on-line version of 12th World Endodontic Congress (WEC) of IFEA on September 23-26, 2020.

The Congress host, The Indian Endodontic Society (IES) has a most enthusiastic and esteemed Organizing Committee chaired by Dr. Anil Kohli, with Dr. Gopi Krishna as the Honorary Secretary.

As you all aware, originally, IFEA 12th WEC was scheduled to be held in Chennai India today. However, from early this year, we all the people in the world, are facing a very uncertain and unpredictable time of COVID-19 pandemic. Therefore, we had many times of on-line meeting to discuss this situation and finally decided to postpone the onsite WEC to the next year of August 12-14, 2021. Even in this hard situation, in order to support the demand of the dentist...
and endodontists in the world, the local organizing committee (LOC) of India has organized a great opportunity of this on-line version of the Congress in the prescheduled time of onsite Congress this week. I thank Dr. Anil Kohli, the Congress President, Dr. Gopi Krishna, the Congress Honorary Secretary and LOC members for their hard work for this Congress. I appreciate it very much.

IFEA is the only federal organization of endodontic societies/associations from each country in the world, and was founded in 1986 with purposes including to elevate the technical and scientific standards of endodontic research, practice and teaching to its highest levels; and to disseminate this knowledge throughout the world in order to improve the dental health standards in all nations. For these purposes, we had this World Congress in every three year and are having in every other year according to the increasing demand of endodontics in the world.

This on-line version of the Congress is the first on-line version in IFEA history, and will feature renowned speakers both in clinical and research aspects and introduce emerging topics related with modern endodontics. By participating in this on-line version of the 12th World Endodontic Congress, you will meet the forefront of world endodontics.

Therefore, I very much looking forward to sharing experience and knowledge with you in this on-line version of 12th WEC 2020 and also I am anticipating to see you onsite in Chennai India next year.
Thank you very much for your participation from all around the world, and I wish you all have a very safe, healthy and prosperous time ahead.


Sung Kyo Kim
President
International Federation of Endodontic Associations

Luke
Welcome message

Dr Anil Kohli
Congress President

Dear fraternal colleagues

“Science knows no country, because knowledge belongs to humanity and is the torch which illuminates the world” – Louis Pasteur.

It is indeed a great pleasure to be the torch bearer of dissemination of knowledge and hosting the IFEA 12th World Endodontic Congress in India. I feel humbled to be a part of the endodontic forum of India and to be associated with the growth of Endodontics in our country. It was a proud moment for us in 2010 when the IFEA board of members allotted the World Endodontic congress to Indian Endodontic society. I take this opportunity to thank the board members for allowing us to host the congress. On behalf of the organizing committee, I extend a warm welcome to IFEA President and to the IFEA board members who have been constantly supportive, motivating and has rendered all the guidance to conduct this conference.

It is an honor to have an eminent person, our honorable health minister of India Dr. Harsha Vardhan as the guest of honor. Dr Harsha Vardhan leads the country efficiently in the fight against COVID 19 pandemic. He has agreed to be a part of the congress and preside as the chief guest for IFEA 2020 World Endodontic Congress amidst his busy schedule. Being a part of medical fraternity, he thoroughly understands the disease burden and importance of oral health in our country. I take this opportunity to extend a hearty welcome to Dr. Harsha Vardhan. On behalf of the IFEA Board and local organizing committee.

As we are aware that due to the unprecedented event of COVID-19 Pandemic, the IFEA 12th WEC is being held in two phases. The organizing team has to be appreciated for this timely change of plan and the tremendous efforts put by the team to get the online congress organized. The online congress has been meticulously planned with webinars from 25 eminent experts from various parts of the globe with 15 clinical video demonstrations. It is a great honor to welcome all the speakers who have supported us by accepting to be a part of the online congress and eager to share their knowledge and clinical experience.
We are glad to inform that we have registrations from more than 30 countries for this online congress. We appreciate the support rendered by the various international endodontic forums in making this event a great success. Its is an immense pleasure to welcome the delegates and students from the endodontic associations through the world and to be a part of this scientific extravaganza.

The current prevailing situation has forced everyone to make learning an online process. The local organizing team has made an excellent decision on delivering the lectures through an online congress portal instead of simple webinars. The online congress portal gives the participants to have a virtual experience of a live conference. The platform allows exchange of results of the latest basic and clinical research works on endodontic dentistry as well as to evolve communications and collaborations with colleagues from all over the world.

Be part of a mega virtual trade show that would showcase more than 20 dental companies exhibiting their latest clinical innovations and solutions. We are grateful to all the sponsors who have given their support for this online congress during these tough times and I welcome you all for this wonderful congress.

I would like to conclude by welcoming all the delegates to Chennai, India during August 2021 for the second part of the IFEA 12th WEC. Chennai (The Land of Temples), formerly known as Madras, is the capital of the Indian state of Tamil Nadu and is located on the southeast coast of India. This lively metropolis will be your host city during the second part 12th IFEA onsite WEC as you soak in a harmonious blend of its rich cultural & architectural legacy along with its vibrant present. So dear friends, mark the dates and pack your bags to write your memoirs about your Indian expedition and be part of one of the biggest global endodontic congregations and enthral yourself with a cultural and culinary experience of a lifetime!

Jai Hind!

Dr. Anil Kohli
Congress President
MESSAGE

It gives me immense pleasure that International Federation of Endodontic Associations (IFEA) is organising the 12th World Endodontic Congress 2020 from September 23 – 26, 2020 in India.

Oral health is the most important component to achieve overall health and to lead a good quality life. Oral diseases affect all the age groups. We are actively working on various strategies to bring a change in perception of oral health amongst the public.

The other major area of focus is by improving the knowledge skill continuum by encouraging research work in these areas and transferring the knowledge from laboratories to clinical setup for benefit of the community.

I am confident that the IFEA will promote partnership amongst dentists and endodontists globally and elevate the technical and scientific standards of endodontic research, practice and teaching to its highest levels.

I appreciate the efforts made by the IFEA team to organise 12th World Endodontic Congress 2020, especially, under prevailing COVID-19 situation across the world.

My best wishes for the success of this grand event.

(Dr. Harsh Vardhan)
Inaugural Address

Dr. M R Srinivasan
Congress Chairman

Anaivarukum vanakkam!

Thirukural, one of the ancient classic tamil couplet says

Which is explained as "a deeper well yields more water, similarly the deeper knowledge is obtained with continuous learning". Conferences pave a way of continuous learning process for all researchers, clinicians and students. It is a pride for our country to host the 12th IFEA world endodontic congress which serves as a platform to elevate the scientific standards of endodontic research and practice to its highest levels, and to disseminate this knowledge throughout the world in order to improve the dental health standards in all nations.

I stand here today humbled by the enormous task of organising the first online congress of IFEA world endodontic congress. This remarkable feat is the culmination of the effort of the tireless work by the Organising team efficiently lead by Dr.V.Gopikrishna, the Congress organising secretary. He is a young, dynamic person who has a vision of taking endodontics to the higher levels in our country. His meticulous planning and organising skills created the difference between "just getting the job done" and being truly exceptional at what is achieved.

As we all know, When the going gets tough, the tough gets going. The organising team took the setbacks faced due to the cancellation of the live 12th IFEA WEC in Chennai on 23rd to 26th September 2020 in stride. A timely decision was made to conduct the congress in two parts and the team started to work for the same in the rigour. Initially a webinar series of eight lectures were planned on the same dates but later expanded to encompass a panel of 25 speakers who are well known experts in our field.
The online world endodontic congress extends over four days from 23rd to 26th September 2020 and is scheduled from 2:00 to 9:30 pm. The congress is exclusive for the registered delegates who has shown immense support and faith in us. The recorded version will be available till 28th September midnight. This is to facilitate the practising endodontists and delegates from other countries to access and benefit from the scientific content.

Let us do a quick SWOT analysis of the online IFEA 12th WEC congress. The strengths are many and to name a few is the excellent organising committee completely backed-up by the IFEA Board members, wonderful speakers, supportive sponsors and last but not the least, the delegates who never lost faith in us. The inherent weakness of the congress is that it is being held as an online congress. To overcome this hurdle, a virtual online congress portal was decided to make the conference a pleasant experience. The team has looked into every minute aspect of organising and to make the webinars more professional, elegant and uniform.

Along with the learning process, the congress enables the delegates an opportunity to collaborate with colleagues from various countries and to visit the virtual trade booths. The only threat that still lingers is the query on how the current pandemic situation will evolve in the near future which might affect the onsite congress that has to be held next year. Hope is the basis of success in any endeavour and we sincerely hope that the current tough times settles down and we will be able to meet every one in person in August 2021 during the main IFEA 12th WEC. I welcome you all to be a part of the “first in history” online IFEA world endodontic congress.

Thank you

Dr. Dr. M R Srinivasan
Congress Chairman
Welcome Message

Dr Gopi Krishna
Congress Organising Secretary

It is my proud privilege and honour to be the Organising secretary of the 12th IFEA World Endodontic Congress 2020.

"Dream... A dream is not something that you see while sleeping. A dream is something that does not let you sleep"

This famous quote by Dr Abdul Kalam epitomises our dream to bring the world endodontic congress (WEC) to India. A Dream transforms into thought and thoughts transform into action and action with right intentions transform the Dream into a wonderful reality! It has been a long ten-year journey to bring this prestigious congress to India. It began in the year 2010 when we first bid for the same at Athens WEC and it was at the 2013 Tokyo WEC that we finally succeeded in winning the global bid to host this prestigious event in India.

The WEC is not just a conference with routine scientific proceedings. It actually symbolises the Olympic spirit of unifying the world, of sharing & learning knowledge, forging friendships and building partnerships across the world. It forms an oasis where the best clinicians, academicians, researchers converge along with the very best what the trade industry has to offer.

India today houses 1/5th of global humanity and has more than 300 dental schools and close to 200,000 practising dentists to serve the oral health of 1.3 billion people. We envision that this world endodontic congress would be a meaningful step in improving the quality of endodontic care both in India and across the world.
I would like to take this opportunity to thank the IFEA board, all our speakers, members of 42 national Endodontic societies that comprise the IFEA FAMILY, our trade partners and above all each one of you, the registered delegates and the registered students, for having faith and support for this conference in these challenging times.

I stand in front of you as a proud leader of a very passionate and truly dedicated Team India Endodontists who have toiled tirelessly to transform this dream into the reality that you are experiencing. We are proud to present to you 25 intellectually stimulating webinars for the next 4 days. We have taken the opportunity to honour senior academicians and administrators who have contributed to the growth of Endodontics in India.

Each webinar would begin with a sneak peek about the exemplary cultural and architectural marvels of India. I am sure this would motivate you to explore India and be part of the onsite congress that would be held in Chennai during Aug 12th- Aug 14th 2021. We hope that you enjoy this congress as much as we enjoyed organizing it for you!

Thank you & Stay Inspired !!!

V Gopi Krishna
Congress Organizing Secretary
Organising Committee

Congress Joint Secretaries

Dr. Kavitha M

Dr. Rajasekaran. M

Treasurer, Website co-ordinator

Dr. Nandini Suresh
Organising Committee

Scientific Committee

Dr. Thillainayagam S
Dr. Balagopal S
Dr. Mahalaxmi Sekar
Dr. Arathi Ganesh
Dr. Karunakaran J V
Dr. Pradeep Kumar A R
Organising Committee

Scientific Committee

Dr. Subbiya A

Dr. Velmurugan N

Dr. Nivedhitha M S

Dr. Anil Kumar Ramachandran

Dr. Susila Anand

Dr. Suma Ballal
Organising Committee

Scientific Committee

Dr. Krithika Datta
Dr. Poorni S
Dr. Sai Shamini
Dr. Buvaneshwari Arul
Dr. Vignesh Srinivasan
Dr. Geetha Priya N
Organising Committee

Registration Committee
- Dr. Rajkumar K
- Dr. Nandini Suresh

Audio Visual Co-ordinator
- Dr. Veni Ashok B
- Dr. Nivedhitha M S

Conference Promotion co-ordinator
- Dr. Shalu Mahajan
- Dr. Saumya Rajesh Parashar
IFEA WEC 2020

Schedule

23rd, 24th, 25th & 26th September 2020
<table>
<thead>
<tr>
<th>Louis Grossman Hall</th>
<th>TIME</th>
<th>Herbert Schilder Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INAUGURAL</strong></td>
<td>IST: 1.30pm to 2.00pm</td>
<td><strong>Filippo Cardinali</strong></td>
</tr>
<tr>
<td>Yoshi Terauchi</td>
<td>GMT: 8.00am to 8.30am</td>
<td>&quot;How to interpret preoperative endodontic anatomy in clinical practice&quot;</td>
</tr>
<tr>
<td>&quot;How to manage broken instruments&quot;</td>
<td>IST: 2.00pm to 3.00pm</td>
<td><strong>Antonis Chaniotis</strong></td>
</tr>
<tr>
<td></td>
<td>GMT: 8.30am to 9.30am</td>
<td>&quot;How to manage complex endodontic cases&quot;</td>
</tr>
<tr>
<td>Shanon Patel</td>
<td>IST: 3.00pm to 4.00pm</td>
<td><strong>Jenner O Argueta</strong></td>
</tr>
<tr>
<td>&quot;Using and interpreting CBCT scans to improve endodontic outcomes&quot;</td>
<td>GMT: 9.30am to 10.30am</td>
<td>&quot;Management of challenging clinical scenarios with calcium silicate-based materials&quot;</td>
</tr>
<tr>
<td>Anil Kishen</td>
<td>IST: 4.00pm to 5.00pm</td>
<td><strong>James L Gutmann</strong></td>
</tr>
<tr>
<td>&quot;Microbiology of apical periodontitis: What clinicians should know&quot;</td>
<td>GMT: 10.30am to 11.30am</td>
<td>&quot;How to manage the anatomical complexities of the root canal system&quot;</td>
</tr>
<tr>
<td></td>
<td>IST: 5.00pm to 6.00pm</td>
<td><strong>Herbert Schilder Hall</strong></td>
</tr>
<tr>
<td></td>
<td>GMT: 11.30am to 12.30pm</td>
<td><strong>James L Gutmann</strong></td>
</tr>
<tr>
<td></td>
<td>IST: 7.00pm to 8.00pm</td>
<td>&quot;How to manage the anatomical complexities of the root canal system&quot;</td>
</tr>
<tr>
<td></td>
<td>GMT: 1.30pm to 2.30pm</td>
<td><strong>Herbert Schilder Hall</strong></td>
</tr>
<tr>
<td></td>
<td>IST: 8.00pm to 9.00pm</td>
<td><strong>James L Gutmann</strong></td>
</tr>
<tr>
<td></td>
<td>GMT: 2.30pm to 3.30pm</td>
<td>&quot;How to manage the anatomical complexities of the root canal system&quot;</td>
</tr>
<tr>
<td>Louis Grossman Hall</td>
<td>TIME</td>
<td>Herbert Schilder Hall</td>
</tr>
<tr>
<td>---------------------</td>
<td>------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Ghassan Yared</td>
<td>IST : 2.00pm to 3.00pm, GMT : 8.30 am to 9.30am</td>
<td>Ove A Peters</td>
</tr>
<tr>
<td></td>
<td>IST : 3.00pm to 4.00pm, GMT : 9.30am to 10.30am</td>
<td>&quot;Evolution of Root Canal Treatment: TruNatomy. A restoratively driven path to endodontic excellence&quot;</td>
</tr>
<tr>
<td>Kishor Gulabivala &amp; Yuan Ling Ng</td>
<td>IST : 5.00pm to 6.00pm, GMT : 11.30am to 12.30pm</td>
<td>Leandro A P Pereira</td>
</tr>
<tr>
<td></td>
<td>IST : 6.00pm to 7.00pm, GMT : 12.30 pm to 1.30pm</td>
<td>&quot;Diagnosis and Management of Root Canal Perforations&quot;</td>
</tr>
<tr>
<td></td>
<td>IST : 7.00pm to 8.00pm, GMT : 1.30 pm to 2.30pm</td>
<td>John A Khademi</td>
</tr>
<tr>
<td></td>
<td>IST : 8.00pm to 9.00pm, GMT : 2.30pm to 3.30pm</td>
<td>&quot;Endodontics 1.0, 2.0 and 3.0&quot;</td>
</tr>
</tbody>
</table>
**Louis Grossman Hall**

**Paul A V Abbott**
"Dental Traumatic Injuries - Revised Guidelines for Management"

IST: 2.00pm to 3.00pm
GMT: 8.30 am to 9.30am

**Francesco Mannocci**
"The benefits of hydrophilic cements in endodontic practice"

IST: 4.00pm to 5.00pm
GMT: 10.30am to 11.30am

**Chafic Safi**
"Anatomically driven endodontics"

IST: 7.00pm to 8.00pm
GMT: 1.30 pm to 2.30pm

**Herbert Schilder Hall**

**Matthias Zehnder**
"How to clean the pulp space predictably"

IST: 3.00pm to 4.00pm
GMT: 9.30am to 10.30am

**Sameer Jain**
"How to locate calcified canals predictably using 3D Dynamic Navigation"

IST: 6.00pm to 7.00pm
GMT: 12.30 pm to 1.30pm

**Frank Setzer**
"How to Use the Dental Microscope in Advanced Surgical Endodontics"

IST: 8.00pm to 9.00pm
GMT: 2.30pm to 3.30pm
<table>
<thead>
<tr>
<th>Louis Grossman Hall</th>
<th>TIME</th>
<th>Herbert Schilder Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Roeland De Moor</strong></td>
<td>IST 3:00pm to 4:00pm</td>
<td><strong>Mostafa Anwar</strong></td>
</tr>
<tr>
<td></td>
<td>GMT: 9.30am to 10.30am</td>
<td>&quot;Predictable tactics for simplifying root canal complexities&quot;</td>
</tr>
<tr>
<td>&quot;How to disinfect root canals in an appropriate way using laser technology: fiction and facts&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mohammed Hammo</strong></td>
<td>IST 5:00pm to 6:00pm</td>
<td><strong>Ralf Schlichting</strong></td>
</tr>
<tr>
<td></td>
<td>GMT: 11.30am to 12.30pm</td>
<td>&quot;How to manage complicated root canal with new generation niti file&quot;</td>
</tr>
<tr>
<td>&quot;How to manage endodontic challenges&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VALEDICTORY</strong></td>
<td>IST 8:00pm to 8:15pm</td>
<td><strong>Allen Ali Nasseh</strong></td>
</tr>
<tr>
<td></td>
<td>GMT: 2:30pm to 2:45pm</td>
<td>&quot;Problem solving in endodontic surgery&quot;</td>
</tr>
<tr>
<td><strong>Clifford J Ruddle</strong></td>
<td>IST 8:15pm to 9:15pm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>GMT: 2:45pm to 3:45pm</td>
<td>&quot;How to Manage Endodontic Retreatment: Nonsurgical &amp; Surgical Approaches&quot;</td>
</tr>
</tbody>
</table>
Recorded webinars will be available in Heithersay Hall from:

24th September 2020
IST 9:00am : GMT 03:30am
to
29th September 2020
IST 05:30am : GMT 12:00am

IMPORTANT LEGAL NOTICE

All proceedings of the congress are the intellectual property of our esteemed speakers and IFEA.

The proceedings are for VIEW only purpose and protected under Indian Copyright Act. Webinars should not be Recorded, Shared or Telecast by the registered delegates / students. Defaulting IP Address would be reported to National Cybercrime Reporting Portal.
IFE A WEC 2020
Online congress Speakers
- Short Biography
and Abstract
Webinar and Video Demonstration

Day 1

23rd September 2020
Yoshi Terauchi, DDS., PhD.

TOPIC: How to manage broken instruments
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Terauchi is a part-time lecturer at the Tokyo Medical & Dental University and maintains a private practice limited to Endodontics since 1993. He earned his DDS in 1993 and completed his residency at Tokyo Medical & Dental University in 1995, where he also received his PhD from the department of Endodontics.

He has published several articles in peer-reviewed journals nationally and internationally. He also authored in several chapters in textbooks, including the 11th and the 12th edition of “Pathways of the Pulp” and “Endodontics: the 6th edition of Principles and Practice”. He has lectured nationally and internationally and was exposed twice on National TV for modern endodontics.

ABSTRACT:
NiTi instruments fracture, more than 90% of them fracture in the apical third of the canal, which makes it very frustrating and challenging for a clinician to retrieve them. Above all, instrument fracture immediately hinders the clinician from performing further treatment, and thus the outcome of the treatment will be compromised. The majority of clinicians would not want to make an attempt to retrieve the broken file in consideration of possibilities of having procedural accidents during the retrieval attempts mainly because instrument retrieval may not be predictable. In addition, the disadvantages of traditional instrument removal techniques are excessive removal of dentin during trephine, which may result in perforation or predispose the tooth to vertical root fracture. However, the literature shows that the success rates of instrument retrieval with ultrasonics are relatively higher in the range of 80 to 90%. If the whole procedure for instrument retrieval can be standardized and simply predictable, it will be no longer frustrating and challenging for every clinician. Therefore in my IFEA webinar, I would like to show everyone how to make it predictable to remove broken files so that everyone can stay happy and even enjoy removing the broken file.

DECLARATION OF INTEREST:
NIL
TOPIC: How to interpret preoperative endodontic anatomy in clinical practice
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Cardinali graduated in dentistry and dental prosthesis from the University of Ancona in 1992. He is an active member of the Italian Society of Endodontics, a certified member of the European Society of Endodontontology, Associate member of the American Association of Endodontists and a gold member of Style Italiano Endodontics.


He is the co-author of several books and has authored numerous publications in journals of national and international sectors. He is a Lecturer in theoretical and practical courses on subjects related to the isolation of the Operative field and Endodontics. Additionally, he has participated as a speaker at courses and conferences in Italy and abroad. He has a Private practice, concentrating mainly in Endodontics and Restorative Dentistry.
ABSTRACT:
Diagnostic imaging is an essential component of the preoperative diagnosis which the operator must devote the utmost attention: if the diagnosis is wrong the outcome will be negative even if the endodontic therapy is technically performed excellently.

A complete understanding of endodontic anatomy before starting treatment is very useful to get a positive outcome of the therapy. The cone beam computed tomography (CBCT) is the most important innovation in diagnostic imagining in endodontics; CBCT offers great advantages compared to the traditional two-dimensional examination thanks to the three-dimensional visualization of the periradicular and endodontic space, allowing the clinician to identify a possible periapical pathology and the perfect visualization of the real anatomy endodontic thus, providing the necessary information for the correct endodontic approach.

How many colleagues have a CBCT in their practices? If it is true that CBCT should be the “standard of care” for the endodontic anatomy preoperative investigation, it is equally true that a few percentage of dentists have a CBCT in the office, and sometimes it is difficult to refer a patient for CBCT when there is no doubt for the diagnosis but just to understand the endodontic anatomy.

In most cases, the operator must interpret the endodontic anatomy with a correct reading of the traditional 2D radiograph thanks to the knowledge of the anatomy of the root canal system; in the absence of diagnostic doubt the use of the CBCT solely for the anatomy endodontic visualization is a biological high cost for the patient in terms of radiation exposure and even an additional therapy cost. The aim of this lecture is to highlight how in most cases a correct understanding of the endodontic anatomy is possible thanks to a correct reading of the traditional 2D radiograph and how the operator can make a rational and synergistic use of 2D and 3D imaging in order to provide the best service to the patient with the least possible biological cost.

DECLARATION OF INTEREST:
NIL.
Dr. Shanon Patel
BDS, MSc, MClinDent, MRD, PhD, FDS, FHEA

TOPIC: Using and interpreting CBCT scans to improve endodontic outcomes
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Shanon divides his time between working in a multi-disciplinary specialist practice in central London, and teaching future Specialist Endodontists in the Postgraduate Unit at King’s College London Dental Institute. His main research interests are cone beam computed tomography (CBCT), root resorption and the restoration of root treated teeth.

His background as a clinical academic has resulted in him publishing over 80 papers in peer reviewed journals, as well as being a lead author of 3 European Society of Endodontology position statements (CBCT 2014, 2019 and External Cervical Resorption 2018).

He has been invited as a keynote or plenary speaker at 70 lectures in international meetings spanning 5 continents. He has co-authored 6 textbooks which have been translated into 4 different languages. Most recently ‘Endodontology at a Glance’ is the first authoritative revision guide in Endodontology.

ABSTRACT:
The aim of this presentation is to give an overview of the impact CBCT has had in Endodontic diagnosis, management and assessment of outcome. Clinical research on CBCT will be presented which has a direct impact on everyday Endodontic treatment. Tips on interpreting and reporting on CBCT scans will be discussed.

DECLARATION OF INTEREST:
Lecture supported by the MORITA Company.
Dr. Antonis Chaniotis, DDS, MDSc

TOPIC: How to manage complex endodontic cases

BIOGRAPHY:
Dr. Antonis graduated from the University of Athens Dental School, Greece in 1998. In 2003 he completed the three-year postgraduate program in Endodontics at the University of Athens Dental School. Since 2003, he owns a private practice limited to microscopic Endodontics in Athens, Greece. For the last ten years, he served as a clinical instructor affiliated with the undergraduate and postgraduate programs at the University of Athens, Athens Dental School, Endodontic department, Greece.

In 2012 he was awarded the title of Clinical fellow teacher at the University of Warwick, Warwick dentistry UK. He lectures extensively nationally and internationally and he has published articles in local and international Journals. He currently serves as an active member of the Hellenic Society of Endodontology, a certified member of the European Society of Endodontology (ESE) and international member of American Association of Endodontists (AAE).
ABSTRACT:
The root canal system is often a highly complicated canal network of multi-planar curvatures and anastomoses. Reaching the biological and design objectives of instrumentation in severely curved canals, deep apical splits and complicated canal systems can be an extremely challenging aspect of root canal treatment. The aim of this lecture is to describe a novel instrumentation concept with Controlled memory and EDM files for the predictable and safe enlargement of extremely challenging root canal systems and to introduce the motorized evolution of the technique.

LEARNING OBJECTIVES:
Upon completion of this course the participant should be able to:
1. Understand the design and biological objectives of canal instrumentation.
2. Understand the anatomical complexity of the root canal systems.
3. Investigate the minimum instrumentation requirements for effective disinfection.
4. Implement a new instrumentation method for the predictable management of challenging anatomies.
5. Understand the motorized evolution of the instrumentation technique with Jeni motor and twist on movement.

DECLARATION OF INTEREST:
Lecture supported by the Coltene Company.

COLTENE
Anil Kishen, BDS, MDS, PhD

TOPIC: Microbiology of apical periodontitis: What clinicians should know (Webinar)

BIOGRAPHY:
Dr. Kishen received his clinical specialty training in Endodontics & Conservative Dentistry from the Madras Dental College, India. His PhD is in the field of Biomedical Engineering from the Nanyang Technological University in Singapore. After his stint as Assistant/Associate Professor at the National University of Singapore, he moved to the University of Toronto, where he is currently a Full-Professor in Endodontics, Graduate Coordinator, Graduate Education, and a Principal Investigator at the Dental Research Institute, University of Toronto. Prior to the Faculty restructuring Dr. Kishen was the Head of Discipline of Endodontics at the University of Toronto from 2012 to 2016. He currently serves as an Associate Editor for the Journal of Endodontics, BMC Microbiology, Clinical Oral Investigations and Frontiers in Dental Medicine, besides serving as an Editorial Board Member for several international journals.

He is a recipient of many awards and honors including, The Enterprise Challenge Innovator Award in Singapore (2002), University of Toronto Dental Student Society (DSS) Honorary Member Award (2013) for his contribution to undergraduate education, Honorary Diplomate of the Indian Board of Endodontics (2013), the American Association of Endodontists (AAE) Foundation-Denstply-Research Excellence Award (2013) and the Journal of Endodontics Publication Awards (2015, 2016, 2020), W. W. Wood Award (2016) from Canadian Faculty Association for excellence in dental education and the prestigious Louis I Grossman Award (2020) from the AAE, which recognizes an author for cumulative publication of significant research studies that have made an extraordinary contribution to endodontology.
He has published over 20 book chapters, and has edited three interdisciplinary textbooks. He has published over 150 peer-reviewed journal publications, and is a co-inventor in several patents / invention disclosures. He has delivered over 150 invited / plenary lectures worldwide. His research focuses on nanomaterials and phototherapeutics to fight oral health infections and improve patient outcomes. He specifically studies topics in endodontic infections, analyses interactions between host tissue and harmful bacteria besides wound healing. His research is currently funded by the Canadian Foundation of Innovation, Natural Sciences and Engineering Council of Canada (NSERC); Discovery Grants and the American Association of Endodontists Foundation.

ABSTRACT:
Apical periodontitis is known as the periapical host-immune response to the existence of opportunistic microbes as biofilm within the root canal system. The response of host-immune system to microbial biofilm is distinctly different to their planktonic counterpart. Different clinical presentations are also possible when they are associated with a chronic disease. This lecture will cover the evolving perspectives of root canal biofilm in disease and post treatment healing.

DECLARATION OF INTEREST
Nil
Jenner O Argueta, DDS, MSc.

TOPIC: Management of challenging clinical scenarios with Calcium Silicate-based materials
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Argueta got his Dental master's degree in Endodontics at the San Carlos de Guatemala University, where he achieved multiple awards as an outstanding student. He is the former president of the Guatemalan Endodontics Academy, from 2016 – 2020. He is a certified researcher at the Guatemalan National Council for Science and Technology. He is also the Faculty Endodontics Professor at the Mariano Galvez de Guatemala University and the Guatemalan representative for the Latin American Endodontics Association. His clinical practice is focused on micro-endodontics and micro-restorative dentistry.

He is an international lecturer with experience in four continents, he has been lecturing in the most important endodontics congresses in the world (AAE, IFEA, SELA, FOLA, FOCA, ROOTS, among others). He is in charge of the Social Dental Program provided by a non-profit organization in Guatemala called: ADIZ.

ABSTRACT:
As endodontists, our labor goes beyond the limits of the root canal system, each one of our treatments is intended to restore, or to maintain patients’ oral health. From an optimistic point of view, endodontist’s advisable goal should be a first step intervention focused in a conservative treatment of pulp disease. Nevertheless, when is not possible to maintain the pulpo-dentinal complex alive, to perform root canal treatments without compromising the biological balance becomes a key challenge to overcome. The main goal of the lecture is to present scientifically based clinical techniques, applied with the new generation of biomaterials with the objective of restoring or maintaining the harmony in patients’ oral environment.

DECLARATION OF INTEREST:
Lecture supported by the Meta Biomed company.
James L. Gutmann,
DDS, Cert Endo, PhD, FACP, FICD, FADI, FAAHD, FDSRCSEd, DipABE,
Professor Emeritus, Texas A&M University College of Dentistry, Dallas, Texas

TOPIC: How to manage the anatomical complexities of the root canal system
(Webinar)

BIOGRAPHY:
Dr. Gutmann received his D.D.S. in 1970 from Marquette University School of Dentistry and his Certificate of Advanced Specialty Training in Endodontics from the University of Illinois, College of Dentistry.

Dr. Gutmann is a Diplomate of the American Board of Endodontics, serves as an Editor of the Journal of the History of Dentistry. He served as a President of the American Association of Endodontists from 2000-2001, and is presently the President of the American Academy of the History of Dentistry. He holds honorary memberships in various dental societies. He has presented over 800 lectures, papers, and continuing education courses in the United States and 52 foreign countries on six continents. Additionally he has authored or co-authored over 300 articles in both dental journals and texts. He is the senior author and co-author of various Endodontic text books.

In 1998 he was awarded an honorary PhD from the University of Athens, Athens, Greece for his contributions to dentistry and endodontics. He has received awards from various distinguished Universities and Academies and was inducted as a Fellow of the Academy of Dentistry International in 2003. He was named as one of the top dentists/endodontists in the greater Dallas/Fort Worth area in "D" Magazine for 2004 – 2015 and has been named as one of the Top CE Clinicians by Dentistry Today for the past 12 years. In 2005 he was awarded an Honorary Professorship at the School of Stomatologia, Wuhan University, Wuhan, China and in 2009 he received the Hayden-Harris Award from the American Academy of the History of Dentistry.
ABSTRACT:
Every root canal system presents challenges to the full range of ideal treatment. Two of the most common challenges revolve around the elusive “mid-mesial canal” found in both the mesial-buccal root of the maxillary molars and the mesial roots of mandibular molars. Not to be outdone, however, is the apical 3-5 mm of each root in its display of accessory communications, and the inherent challenges of cleaning and disinfection primarily in roots of teeth with necrotic pulps and periapical lesions. This presentation will highlight the challenges in management presented in both anatomical scenarios.

Upon completion of the lecture, the participant should be able to:
1. Identify the true nature of the challenges encountered in both anatomical scenarios.
2. Detail and discuss clinical techniques advocated to manage these challenges.
3. Describe the anatomical and microbiological ramifications that these two challenges present.
4. Relate the dictates that are advocated in managing these complexities to the current literature and the validity of such.
5. Identify, generically, materials and instruments that may be helpful to address these complexities in most teeth.

DECLARATION OF INTEREST
NIL
Webinar and Video Demonstration

Day 2

24th September 2020
Dr. Ghassan Yared

TOPIC: How to handle acute canal curvature
(Webinar and Video Demonstration)

BIOGRAPHY:
Prof. Yared completed his endodontic training at the University Paris VII (France) and obtained his M.Sc. from the Lebanese University (Lebanon). He has been extensively involved in teaching. He was the Head of the Department of Research and a member of the Department of Endodontics at the Lebanese University, Lebanon. He joined the University of Toronto, Canada in 1999 for a full-time position as the Director of the Endodontic Undergraduate Programme. He was granted tenure in 2004.

He has been elected for 4 consecutive years as the "Best Teacher of the Year", and has received the "Master Bruce Howard Award for Excellence in Teaching" the highest teaching award at the Faculty of Dentistry, University of Toronto.

He is the inventor of the single file endodontics and asymmetrical mechanical reciprocation, the basis of modern reciprocation. His research is currently focussed on root canal disinfection. He has just introduced a new concept for the management of root canals with a non instrumentation technique. He has published extensively in peer-reviewed international endodontic journals and has given numerous lectures and continuous education courses worldwide.
ABSTRACT

The preparation of severely curved canals involves 3 steps: initial canal negotiation with small hand files, creation of a glide path and canal shaping. The last step, canal shaping, becomes easy once a glide path has been established. Once a glide path is created, it is likely that all modern endodontic files used in continuous rotation or reciprocation will be equally effective for canal shaping. However, the first 2 steps, especially the initial canal negotiation can be very challenging. Small hand files used for the initial canal negotiation are associated with a higher incidence of procedural errors. In addition, glide path instruments have a relatively high fracture rate. A procedure that depends less on these 2 steps for the canal preparation will be easier and safer. All of the systems present on the market for canal preparation, except for Reciproc and Reciproc blue (Reciproc®), involve the challenging steps of initial canal negotiation and glide path preparation in every canal. With Reciproc®, the majority of the canals, including narrow and curved canals, can be managed with only one reciprocating instrument without any prior instrumentation: without initial canal negotiation and glide path preparation. This presentation will discuss the scientific evidence supporting the efficiency and safety of the Reciproc®. Techniques for the management of severely curved canals will be described in detail taking into consideration different clinical scenarios.

The attendees will understand:
1. The challenges and risks associated with the different steps of the preparation of severely curved canals, mainly the initial canal negotiation and glide path preparation.
2. The causes of fracture of hand files and mechanical NiTi instruments.
3. The similarities and differences between conventional systems, requiring initial canal negotiation and glidepath, and Reciproc®, and why it is possible to use Reciproc® without any prior instrumentation for the preparation of severely curved canals.
4. The management of severely curved root canals with Reciproc®: rational, technique and limitations.
5. The indications and how to create a glide path before Reciproc® in specific cases.
6. The indications and how to use small hand files for the initial canal negotiation.
7. The rational of the referral to an endodontist, when required.
8. The strong scientific evidence supporting the safety and efficiency of Reciproc.
9. The importance of cleaning and disinfection, and future directions.

DECLARATION OF INTEREST

Lecture supported by the VDW Company.
Dr. Ove Peters  
DMD, MS, PhD

TOPIC: Evolution of root canal treatment:  
TruNatonomy. A restoratively driven path to endodontic excellence  
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Peters joined The University of Queensland School of Dentistry in 2020 after faculty positions in Heidelberg, Germany and Zurich, Switzerland, as well as at the University of California and the University of the Pacific, both in San Francisco, CA, USA. He received his postgraduate education in endodontics at the University of Zurich and at UCSF and is certified as a Diplomate of the American Board of Endodontics. He was the founding director of the postgraduate endodontic program at the Arthur A. Dugoni School of Dentistry in San Francisco, a professor with tenure and the Chair of the Department of Endodontics at that school.

He has wide-ranging research expertise and has published more than 150 manuscripts in peer-reviewed journals, related to endodontic technology and biology. He has authored two books, has contributed to several leading textbooks and is an associate editor for the International Endodontic Journal, an academic editor for PLOS One and serves on the review panel of multiple other journals. He has received, among other awards, the Hans Genet Award of the European Society of Endodontology and more recently the Louis I. Grossman Award of the American Association of Endodontists. He is a member of OKU as well as a Fellow of the International and American Colleges of Dentistry.
ABSTRACT
In addition to the conventional understanding of endodontic success determined by apical health, it has become evident that long-term retention is an important measure for the effectiveness of root canal treatments.

Underpinning this strategy, TruNatomy is an innovative root canal treatment system built on the understanding that endodontic excellence will follow a restoratively driven path. TruNatomy allows a comprehensive and flexible treatment solution that preserves the structural integrity of the tooth and adapts to all your clinical situations.

The system includes five innovative rotary instruments with a distinctive offset cross section and new advanced heat treatment, which provides excellent canal tracking and durability. TruNatomy provides a reproducible cantered glide path while the unique sizing promotes desired apical sizes without unnecessary coronal enlargement with just two or three instruments. The TruNatomy system offers a new flexible irrigation cannula, fitted gutta percha, electric heat plugger tip and paper points.

This presentation is designed to introduce, in details, the new system by Dentsply Sirona and describe its features and use, combining excellent canal debridement with a smooth effortless feeling while shaping canals of all types of anatomy.

Objectives
At conclusion participants should be able to

1. Highlight the relevance of restorability and restoration on endodontic outcomes.
2. Describe design elements and usage of the new TruNatomy system.
3. Apply clinically the principle of dentin preservation while promoting canal debridement.

DECLARATION OF INTEREST
Lecture supported by the Dentsply Sirona Company.

Dentsply Sirona
Dr. Leandro A P Pereira  
DMD, MS, PhD

TOPIC: Diagnosis and management of root canal perforations  
(Webinar and Video Demonstration)

BIOGRAPHY:
Professor Leandro Pereira began his work in the area of operator microscopy in 1998. Since then, he has been dedicated to the development of microphotography and microfilming through the microscope. He has also developed new microsurgical alternatives, and is one of the pioneers of piezoelectric endodontic (full) microsurgery.

Currently, he is disseminating this new microsurgical method around the world with lectures delivered in various countries such as the United States, Greece, Bulgaria, Peru, Spain, Mexico, Argentina, Portugal, Equador, Dominican Republic, Rusa, Poland, Romenia, Azerbaijan, Georgia, Colombia, and Brazil.

He holds Degrees from the UNICAMP - São Paulo Master’s and Doctorate in Pharmacology, Anesthesiology, and Drug Therapy at the FOP-UNICAMP, and is a specialist in Endodontics. He has been a National and International Lecturer on Microsurgery and Endodontics. He is the owner and Head of Blantus Endodontic Center in Campinas Brazil. He is the Professor of Microsurgery at Blantus Endodontic Center. Coordinator of online courses in endodontics on the platform Blantus Play. The generalist nature of Prof. Leandro’s academic education led him to author various Chapters in several Dentistry books: Rescuer (SBV) by the American Heart.

ABSTRACT:
This presentation is designed to explain about the details of the diagnosis and variable options for the management and treatment of root perforations. The advantages of CBCT in the diagnostic and evaluation phase as well as surgical microscopy in the treatment phase are discussed. A thorough algorithm that includes location, size and shape of the perforation is presented to guide the clinician in assessing the potential for success in clinical intervention.

DECLARATION OF INTEREST
Lecture supported by the Angelus Company.
Dr. Kishor Gulabivala  
BDS, MSc, FDS RCS, PhD, FHEA, FACD.

TOPIC: Evidence-based tips for improving root canal treatment outcomes PART I  
(Webinar)

BIOGRAPHY:
Dr. Gulabivala graduated from Birmingham Dental School in 1980 and entered General Dental practice for 3 years. He completed his MSc in Conservative Dentistry in 1984 and trained further as a Registrar at the Eastman for 2 years. He was appointed as a Lecturer in Conservative Dentistry at the Eastman Dental Institute in 1987. He completed the Certificate of Higher Restorative Training in 1993.

He is listed in the UK Specialist Lists in Restorative Dentistry, Prosthodontics and Endodontics since 2000. He received his PhD on microbial infections of teeth in 2004. He was the training Programme Director for Restorative Dentistry at the Eastman/London Deanery. Currently he is the training Programme Director for Endodontics at the Eastman/HEE.

During his Lectureship, he established the first MSc in Endodontics in UK jointly with (the late) Prof Pitt-Ford in 1989. The MClinDent and Specialist Training programmes in Endodontontology were developed and launched in 1999. His research interests are centered in Endodontontology and focus on outcomes. He has published widely both on clinical as well as research questions mainly on Endodontics and is a co-editor/co-author of Endodontics, 2014 (4th Edn, Elsevier Science). He was an Associate Editor for the International Endodontic Journal for five years (2008-2013) and has been the Past-President (2013-2014) of the British Endodontic Society.
Dr. Yuan-Ling Paula NG
BDS, MSc, MRD RCS (Eng), PhD, FHEA

TOPIC: Evidence-based tips for improving root canal treatment outcomes PART II
(Webinar)

BIOGRAPHY:
Dr Ng is a Senior Clinical Lecturer in Endodontology at UCL Eastman Dental Institute; she is the Programme Director for the MSc in Endodontics and the MClintDent in Endodontology and a specialist in Endodontics. She has lectured to both local and international professional bodies. Dr Ng’s research interests are focused on the effectiveness and long-term outcomes of endodontic treatment, which also formed the basis for her PhD.

She has published widely in international peer-reviewed journals with over 50 peer-reviewed articles and 100 research abstracts. She is the co-editor/co-author of Endodontics, 2014 (4th Edn. Elsevier Science) and contributed to chapters in a number of endodontology text books. Her other professional commitments include membership of the scientific committee of the British Endodontic Society, and European Society of Endodontology (2009-2014), Associate editorship of the International Endodontic Journal (2009-2014), and referees for many journals. She is also a member of the UCL Eastman Athena Swan team and the manager for the Eastman Biobank and 'Designated Individual' overseeing and providing advice on HTA activities within the UCL Eastman Dental Institute.
KISHOR GULABIVALA AND YUAN-LING PAULA NG

ABSTRACT:
A revolution in the tools available for delivering root canal treatment over the last 2-3 decades has enabled dentists to produce technically excellent results. A further revolution in the debridement options over the last 1-2 decades should have enabled enhanced global treatment outcomes. However, 'the list of general dental practitioners' problems in root canal treatment has remained unaltered, together with the success rates, for over a century! True to the history of root canal treatment, the biological considerations have lagged behind in the practitioner's consciousness, as stated almost a 100 years ago:

"We are not trained to think in terms of biological concepts but we are to act in mechanical procedures" (Noyes 1922). Practical tips (delivered in the right frame of reference) might ease the technique but only cognitive insight can enhance intra-operative decision-making to facilitate predictable treatment, delivered with confidence.

The dentist must understand the problem, know how to solve it and be able to skillfully execute treatment; these trinity requisites must be practically-embedded and cognitively-integrated to achieve success.

This presentation distils multiple strands of evidence (biological, clinical, technical, mechanical, chemical) to describe a coherent picture of the sequence of events during root canal treatment, from the disease entity to its prevention or cure, and predictable long-term tooth survival.

It will address the biological rationale, implications of biofilms, nature of antimicrobial interaction leading to bacterial killing or survival, the problem of fluid dynamics and apical anatomy, why periapical lesions take so long to heal, and why others take even longer, whilst some fail to heal. It will also highlight why patients sometimes complain, despite technically adequate treatment that the tooth does not "feel right" or continues to exhibit discomfort. The lecture should establish a clear biological perspective to the technical aspects of the root canal treatment procedure, leading to a rationale for how it works and why certain practical steps are key and cannot be overlooked. Ultimately, periapical healing is not enough, the tooth must last and maintain periapical health. This requires insight about tooth properties, restoration design, occlusal forces and technical skills in manipulating restorative materials. Root canal treatment may weaken teeth but such effects may be mitigated.

Succinct overall aims and learning objectives:
Aim
The lecture will synthesize biological, clinical and technical evidence on the nature and problems of apical periodontitis and its prevention or cure, root canal treatment.

Learning outcomes
Participants should gain a familiarity, if not an understanding, of the nature of periapical disease and how root canal treatment works. They should understand the context of the practical steps and their importance in enhancing periapical disease prevention or healing. The management of restorative status and patient expectations are key for ultimate patient satisfaction.

DECLARATION OF INTEREST:
NIL
Dr. John A. Khademi

TOPIC: Endodontics 1.0, 2.0 and 3.0
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Khademi received his DDS from the University of California San Francisco, and his certificate in endodontics and MS in digital imaging from the University of Iowa. He is Adjunct Assistant Professor at SLU and has a full-time private practice in Durango, CO.

He was formerly the Associate Clinical Professor in the Dept. of Maxillofacial Imaging at USC. In his prior life, Dr. Khademi wrote software for laboratory automation, instrument control and digital imaging. He lectures internationally about CBCT, clinical trial design, outcomes, and conventional endodontic technique. As a Radiological Society of North America (RSNA) member for over 25 years, his background in medical radiology allows him a perspective shared by very few dental professionals.

He has contributed to many sections and chapters in textbooks, and is the lead author for Quintessence’s “Advanced CBCT for Endodontics: Technical Considerations, Perception, and Decision-Making.”

ABSTRACT:
Endodontics is a constantly developing field. It continues to evolve and improve over the years. This lecture will give insights on the future trends of making Endodontics easier and predictable. Furthermore, it will expand the clinician’s endodontics knowledge to be able to provide advanced endodontics care to their patients.

DECLARATION OF INTEREST
Lecture supported by the SS White Company.
Webinar and Video Demonstration

Day 3

25th September 2020
DAY 3 - 25.09.20

Dr. Paul A V Abbott
BDSc, MDS, FRACDS(Endo), FPFA, FADI, FICD, FACD, FIADT

TOPIC: Dental Traumatic Injuries – Revised Guidelines for Management
(Webinar)

BIOGRAPHY:
Prof. Paul Abbott is the Winthrop Professor of Clinical Dentistry at the University of Western Australia. He is a Specialist Endodontist and works in private practice on a part-time basis. Prior to taking a full-time University position in 2002, he spent 17 years in private specialist endodontic practice in Perth and Melbourne. He was Dean of the School of Dentistry at The University of Western Australia and Director of the Oral Health Centre of WA from 2003-2009. He has presented over 800 lectures and courses in 43 countries. He has published 195 articles in refereed journals and 23 textbook chapters. In 2015, he was appointed as Editor-in-Chief of the international journal Dental Traumatology. He has received numerous awards for excellence in teaching and for service to the dental profession, particularly in education and research. In 2015, he was appointed as an Officer of the Order of Australia.

ABSTRACT:
The International Association of Dental Traumatology (IADT) first published Guidelines for the management of traumatic dental injuries in 2001. They were then revised and published in 2007 and again in 2012. Now the IADT’s Expert Committees have once again revised the Guidelines and they will be published in Dental Traumatology in August 2020. The latest Guidelines consist of four articles. The first article presents general information relevant to all traumatic dental injuries. The second article covers the management of avulsed teeth and the third covers the management of fractures and luxation injuries of permanent teeth. The final article covers injuries to the primary teeth. The Guidelines have been based on the best available evidence following extensive reviews of the literature, along with the expert opinions of the committee members who come from a wide variety of speciality backgrounds. The main aim of the Guidelines is to provide readers with easy-to-access information that can be consulted when faced with a traumatic dental injury. In particular, they outline the emergency management of the various injuries and they have some general information for follow-up management and the possible outcomes. This lecture will summarise the Guidelines to provide practitioners with an update on the management of traumatic dental injuries.

DECLARATION OF INTEREST
N/A
Dr. Matthias Zehnder
PROF. DR. MED. DENT., PhD

TOPIC: How to clean the pulp space predictably (Webinar)

BIOGRAPHY:
Dr. Zehnder graduated from the University of Bern School of Dental Medicine in 1994, where he received his doctoral degree in dentistry in 1996. Subsequently, he worked in a private practice and as a part-time postdoctoral research fellow at the Department of Oral Cell Biology, University of Bern School of Dental Medicine. Between 1998 and 1999, he was employed at the Department of Oral Biology and Periodontology, Boston University Goldman School of Dental Medicine. He then took a specialist training in Endodontistry at Columbia University, from which he graduated in 2001. In addition, he completed a PhD at Turku University (Finland) in 2005, and received a Docent title from the University of Zürich in 2007.
Currently, he is the tenured head of the Division of Endodontics at the Clinic of Preventive Dentistry, Periodontology, and Cariology, University of Zürich. His main research interests are to develop dental biomaterials, diagnose pulpal disease using molecular markers, and to improve approaches to disinfect dental hard tissues. He is a former associate editor of the International Endodontic Journal, current editor-in-chief of the Swiss Dental Journal, and on the editorial board of other scientific journals.

ABSTRACT:
This lecture will focus on how to render chemical root canal debridement simple and effective. At the core of cleaning, there is mechanical instrumentation to the proper length that is dictated by the progress of infection. Apart from that, the potentially infected pulp/dentin wound needs to be cleaned chemically. It has become clear over the years that NaOCl is the core chemical to be used for that purpose. Recent data show that NaOCl is highly effective in the lavage of exposed pulps in teeth with deep caries. Moreover, delivered in an endodontic irrigant, NaOCl uniquely dissolves biofilm and necrotic soft tissue remnants. Furthermore, it can bleach blood-derivd stains in dentin. What NaOCl does not do, however, is to prevent “dentin mud” or, more precisely, inorganic debris and smear layer from accumulating during mechanical root canal preparation. NaOCl does not condition the root canal wall for optimal sealer adhesion either. To this end, decalcifying agents are necessary. Traditionally, EDTA or citric acid solutions were used to dissolve smear layer and accumulated hard tissue debris. In this lecture, it will be discussed why a molecule used in the cosmetics and dishwashing industry, namely 1-hydroxyethane 1,1-diphosphonic acid (HEDP), could be advantageous also in endodontics.

DECLARATION OF INTEREST:
NIL
DAY 3 - 25.09.20

IST: 4.00pm to 5.00pm
GMT: 10.30am to 11.30am

Dr. FRANCESCO MANNOCCI
MD, DDS, PhD, FHEA

TOPIC: The benefits of hydraulic cements in endodontic practice
(Webinar and Video Demonstration)

BIOGRAPHY:
Prof Mannocci is a Specialist in Endodontics and Restorative Dentistry. He obtained his MD from Pisa, Italy in 1986, his DDS from Pisa, Italy in 1990, and his PhD in Clinical Dentistry from the King’s College London in 2001. After having worked in a private practice in Pisa for 16 years while collaborating with the University of Siena as a Visiting Professor he became a Lecturer in Endodontology at the King’s College London in 2004. In 2006, he went on to become a Senior lecturer/Honorary Consultant. Further on during his career he became the Head of Endodontology in 2008, and the Professor of Endodontology at King’s College London in 2011.

He has authored more than 140 papers in international peer reviewed journals. He is Associate Editor of the International Endodontic Journal. He has done research work on subjects including restoration of endodontically treated teeth, instrumentation techniques, dental anatomy, histology, endodontic radiology and endodontic microbiology. Prof Mannocci maintains a private practice limited to Endodontics in Central London.

ABSTRACT:
The development of calcium-silicate based endodontic materials has changed significantly the daily practice in endodontics.

This lecture will cover the main indications for the use calcium-silicate materials moving from vital pulp treatment including indirect, direct pulp capping, partial and full pulpotomies to the use of calcium silicate-based sealers, which has now become common practice in many endodontic teaching centres and dental practices throughout the world.

This is a largely clinical lecture, which include the presentation of numerous clinical cases with details on the technical steps for the use of calcium silicate materials in all endodontic procedures. The results of recently published clinical trials, assessing the outcome of vital pulp and root canal treatments undertaken with calcium silicate materials will also be presented.

DECLARATION OF INTEREST:
Lecture supported by the Septodont company.

IFEA 12th World Endodontic Online Conference Proceedings
Dr. Sameer Jain

TOPIC: How to locate calcified canals predictably using 3D Dynamic Navigation
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Sameer Jain earned his Certificate and MSD in Endodontics from the University of Texas Health Science Center School of Dentistry at Houston (2015-2017). He completed his Masters in Dental Biomaterials at University at Buffalo in New York (2013-2015), General Practice Residency (2011-12) and dental school from India (2007-2011).

He is a Diplomate of the American Board of Endodontics and currently serves an Assistant Professor with the Department of Endodontics. He oversees the pre-doctoral Endodontic clinic and the Urgent Care clinic and is the recipient of the James H. Revere scholarship. He also works as an Associate Endodontist in the Northern Virginia area.

His research activity focuses on endodontic biomaterials and transnational technology. His research paper published in JOE, titled “3-Dimensional Accuracy of Dynamic Navigation Technology in Locating Calcified Canals” was one of the first researches exploring the potential of applying dynamic 3D navigation technology in Endodontics. He has authored and co-authored numerous peer-reviewed published articles and two books in the field of endodontics. He is the inventor and holds a patent for “HYBROSONIC”. His work has earned recognition in the form of the American Association of Endodontists’ Resident Award, the Jean-Marie Laurichesse Research Award, the Pierre Fauchard Academy Award, MIT’s Young Innovator TR35 Fellow award and the American Dental Association’s Henry M. Thornton Fellowship award. He is a scientific reviewer for all the top endodontic journals and serves as a nominated member on American Association of Endodontist’s Research and Scientific Affairs Committee.
ABSTRACT:
Endodontist's quest for safer, less invasive, and more cost-efficient procedures has come a long way and continues to move forward at an unprecedented pace. The increased diagnostic information provided with the advent of Cone beam computed tomography (CBCT) has been proven to provide more accurate diagnosis and improved decision making for the management of complex endodontic problems. However, the execution of treatment ultimately lies at the discretion of the operator's skill and experience with freehand dentistry. While tackling complex cases like access opening in a calcified root even the most experienced Endodontist are often posed by the questions: "How do I reach my target safely?", "Where am I (anatomically)?", or "Where and how shall I position my drill?".

Three-dimensional (3D) printed surgical guides i.e. "Static" navigation for implant placement have been around since the early 2000's. However, its application in Endodontics has been crippled due to factors like extensive pre-planning protocols, inability to use it with a high-speed hand piece and limited inter-occlusal distance to accommodate the guides. On the other hand, computer assisted 3D "Dynamic" navigation may be able to overcome these limitations and enable clinicians perform modern minimally procedures with less uncertainty and more consistency. With improved artificial intelligence technology and a trend towards big data collection and advanced information processing, 3D dynamic navigation promises to unlock new synergies and can be an effective treatment tool providing Endodontist's with the right information in real time.

At the conclusion, participants should be able to:
1. Discuss the evolution of Guided and Navigation technology in Endodontics
2. Describe the current evidence for minimally invasive endodontics and benefits of dynamic navigation in locating calcified canals and other complex clinical scenarios.
3. Critically evaluate the chair-side feasibility of all the navigation systems currently available for Endodontic purposes and the possibility of integrating this technology into their practices.

DECLARATION OF INTEREST
NIL
Dr. CHAFIC SAFI  
MSc, D.M.D, B.Sc

TOPIC: Anatomically Driven Endodontics  
(Webinar and Video Demonstration)

BIOGRAPHY:
He completed his B.Sc at the McGill University in 2007 and D.M.D at the Université de Montréal in 2012. He further went on to complete his MSc in 2015 at the University Of Pennsylvania. He is presently the founder of his private practice centre endodontique at saint Laurent. He is also a faculty lecturer at the next level endodontics and an Adjunct assistant professor at the Syngouk Kim Endodontic Clinic – University of Pennsylvania. He is affiliated with the American Board of Endodontics, the Royal College of Dentists of Canada, and holds the North Eastern Regional Board* Certification. He has various publications in national and international journals. He has been invited as a speaker to represent in various platforms such as the American Association of Endodontists, Journées Dentaires Internationales du Quebec and University of Pennsylvania Endodontic Symposium. He has been recognised and awarded by the American Association of Endodontics with the Research Appreciation Award in 2016 along with several other honors.

ABSTRACT:
The XP family of endodontic instruments has been modelled to achieve a fusion of technology and biology that integrates all variables essential for predictable endodontic success.
The super elasticity and shape-memory of the alloy used in XP instruments facilitates expansion and adaptation into canal morphology where traditional in-the-round NiTi files are unable to reach with any margin of safety. This enables maximal debridement and disinfection without changes to the original canal shape and ensures minimal removal of intra-canalar dentin. This ultra-conservative root treatment can then be filled using Bioceramic technologies that do not require excessive preparation in the coronal component of the root canal space to accommodate obturation procedures.

Objectives:
1. Comprehend the scientifically based biologic requirements for endodontic success.
2. Understand the limitations of files that creates a round shape.
3. Understand the latest generation of technologies that allows us to clinically obtain the essential biologic goals for success.

DECLARATION OF INTEREST:
Lecture supported by the FKG Swiss Endo Company.
TOPIC: How to Use the Dental Microscope in Advanced Surgical Endodontics (Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Setzer graduated from the Dental School of the Friedrich-Alexander-University Erlangen-Nuremberg, Germany in 1995. He also received the doctoral degree from the Friedrich-Alexander-University in Erlangen in 1998 with magna cum laude. He then pursued his specialty training at the University of Pennsylvania after working for nine years in a multi-specialist private practice as an associate and partner. He graduated from the endodontic program in 2006, with the Richard F. Weiss Award for Excellence. He received a Master of Science degree in oral biology in 2008 and DMD degree in 2010. He is the Clinical and Pre-Doctoral Director at the Department of Endodontics of the University of Pennsylvania in Philadelphia and a Diplomate of the American Board of Endodontics since 2017. He also serves as an Associate Editor for several peer-reviewed journals and is an active member of several national and international professional societies. He is the board member of the Academy of Microscope Enhanced Dentistry, Society of German Certified Endodontists, and dental faculty member of OKU. He has published in several national and international peer-reviewed journals, lectured nationally and internationally on various endodontic topics with a focus on endodontic microsurgery and treatment planning with implant versus natural tooth supported restorations.

ABSTRACT:
Endodontic surgery has likely changed more over in recent history than any other technique in dentistry. Modern Endodontic microsurgery uses the dental operating microscope, ultrasonic root-end preparation, and biocompatible filling materials. The lecture addresses the need for endodontic surgery and its prognosis, and focuses in detail on the clinical microsurgical procedure.

DECLARATION OF INTEREST
Lecture supported by the Zeiss Company.

ZEISS
Webinar and Video Demonstration

Day 4

26th September 2020
TOPIC: Predictable tactics for simplifying root canal complexities
(Webinar and Video Demonstration)

BIOGRAPHY:
He is a F. Assistant Lecturer of Endodontics at the British University in Egypt. He is a certified Healthcare & Hospital Management Specialist at the AUC. He is the Silver Member of the Style Italiano Endodontics. He is the Co-Author of the Retreatments Book by SIE. He has a private practice as a Micro-Endodontics Specialist.

ABSTRACT:
The aim of this scientific lecture is to explain how to manage complex root canal cases efficiently and easily which became the regular scenario in our daily practice. Last years, many different techniques have been proposed to manage the challenging root canal anatomies either for Primary or Retreatment Root Canal cases. Moreover, Morphological variations of root canal system became so popular specially the severely curved root canals or S-shaped Canals, where creating a predictable protocol for such cases became a must.
This lecture covers sequential steps for managing of nearly all primary root canal cases; Both Simple and Complex Anatomies. It simplifies the procedural steps where all the iatrogenic errors can be avoided, depending on using a simplified, reproducible clinical approaches based on the Recent Minimally Invasive Endodontics (MIE) concept.
Clinical Significance (Objectives) of the lecture is to make attendees able to shape all difficult root canal anatomies safely while reducing the risk of instruments separation, Learn How to Predict the Outcome of Primary Endodontic Treatment, Know the Clinical Guidelines that Should be applied in your daily Endodontic Practice, to know How MIE Changed Our Approach in all steps of RCT, Learn the Balance between Conservative Shaping & Proper Disinfection.

DECLARATION OF INTEREST:
Lecture supported by the COXO company.

IFEA 12th World Endodontic Online Conference Proceedings
ABSTRACT:
A more intense clinical application of lasers in endodontics started in the late 90s. In that period, delivering the laser light up to the radicular apex, conventionally one millimetre from the anatomic apex, was performed by means of flexible fibres or tips with a thin (narrow) diameter (generally 200-300 microns). This approach required helical (circular or spiral) movement of the fibre, in order to increase the irradiation angle between laser fibre and dentin surface, trying to improve the angle (directionality) and energy diffusion. This technique is suitable for most wavelengths used in dentistry in the visible (532nm / KTP), in the near-infrared (from 810 to 1340 nm / Diodes - Nd: Nd: YAP), and medium-infrared (2780 nm / Er,Cr:YSGG and 2940 nm / Er: YAG) electromagnetic spectrum. This technique is what we call "conventional laser endodontics": the spiral motion of a laser fibre in a dried canal.

Almost ten years later the activation of irrigation solutions with Erbium lasers was introduced. This was the beginning of the era of "laser activated irrigation" (LAI), with a fibre in the irrigation solution and inducing fluid streaming based on the creation of cavitation bubbles. Also, here, there was a rapid evolution.

At present two approaches are possible i.e.
(1) conventional LAI (with the fibre still in the root canal lumen) and
(2) the PIPS (single pulse) or SWEEPS (dual pulse) approach with the fibre in the pulp chamber activating the irrigation solution in the root canal.

The aim of this presentation is
(1) to clarify the difference in laser-target interaction of these techniques.
(2) to evaluate the value-added cleaning and disinfection of the 3 different approaches.
(3) to highlight how laser use, though depending on the wavelength, can make the difference with the current non-laser based cleaning and disinfection protocols and finally
(4) may satisfy the needs of modern endodontics.

DECLARATION OF INTEREST
Lecture supported by the Fotona Company.
DAY 4 - 26.09.20

Dr. Roeland De Moor

TOPIC: How to disinfect root canals in an appropriate way using laser technology: fiction and facts (Webinar and Video Demonstration)

BIOGRAPHY:
Prof. Roeland De Moor (MSc Paediatric Dentistry & Traumatology) (MSc in Endodontics and Restorative Dentistry) is a senior full professor at the Ghent University (UGent - Belgium), head of the research cluster of the Section of Endodontics / Department of Oral Health Sciences, director of the three-year Master after Master programme in Endodontics. He is also a guest professor at the University Clinic of Dentistry Vienna (Austria).

He gives lectures worldwide on his focused area of interest on the use of light and lasers in endodontics, root canal irrigation and disinfection, on dental laser bleaching, and on the application of nanotechnology for endodontic purposes. He is the (co)author of more than 150 international peer reviewed articles. He has published 20 book chapters and (co)-edited three books. He is also an honorary member of the editorial board of various peer reviewed journals.

His referral based clinical practice (GDLC - Gent Dental Laser Centre / MOND Sint Martens Latem) is focused on second and third line (paediatric) Endodontics, dental traumatology; judicial orofacial damage assessment and dental laser bleaching.
ABSTRACT:
A more intense clinical application of lasers in endodontics started in the late 90s. In that period, delivering the laser light up to the radicular apex, conventionally one millimetre from the anatomic apex, was performed by means of flexible fibres or tips with a thin (narrow) diameter (generally 200-300 microns). This approach required helical (circular or spiral) movement of the fibre, in order to increase the irrigation angle between laser fibre and dentin surface, trying to improve the angle (directionality) and energy diffusion. This technique is suitable for most wavelengths used in dentistry in the visible (532nm / KTP), in the near-infrared (from 810 to 1340 nm / Diodes - Nd: Nd: YAP), and medium-infrared (2780 nm / Er,Cr:YSGG and 2940 nm / Er: YAG) electromagnetic spectrum. This technique is what we call "conventional laser endodontics": the spiral motion of a laser fibre in a dried canal.

Almost ten years later the activation of irrigation solutions with Erbium lasers was introduced. This was the beginning of the era of “laser activated irrigation” (LAI), with a fibre in the irrigation solution and inducing fluid streaming based on the creation of cavitation bubbles. Also, here, there was a rapid evolution.

At present two approaches are possible i.e.
(1) conventional LAI (with the fibre still in the root canal lumen) and
(2) the PIPS (single pulse) or SWEEPS (dual pulse) approach with the fibre in the pulp chamber activating the irrigation solution in the root canal.

The aim of this presentation is
(1) to clarify the difference in laser-target interaction of these techniques,
(2) to evaluate the value-added cleaning and disinfection of the 3 different approaches,
(3) to highlight how laser use, though depending on the wavelength, can make the difference with the current non-laser based cleaning and disinfection protocols and finally
(4) may satisfy the needs of modern endodontics.

DECLARATION OF INTEREST
Lecture supported by the Fotona Company.

Fotona
choose perfection
Dr. Ralf Schlichting

TOPIC: How to manage complicated root canal with new generation Niti file.
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Schlichting completed his degree from Regensburg University, Faculty of Dentistry in 1997 and went to complete his PhD from University of Regensburg, Germany in 2002. His practice is limited to Endodontics. He is a Graduate of the first Curriculum in Endodontics of the DGET and a specialist for the Endodontics of DGET (German Society of Endodontology and Traumatology). He was a Lecturer in the postgraduate endodontic program of APW (Akademie Praxis und Wissenschaft). He focuses on extensive lecturing on Laser Activated Irrigation and the has Scientific collaborations with University of Regensburg/ Germany on Laser Activated Irrigation.
He was the First clinical operator of PIPS in endodontic practice (2015) in Germany. He is the Main opinion leader for VDW. He has performed several National and international lectures in Endodontics since 2008. He has Authored several articles related to Endodontics and to Laser Activated Irrigation. He is the Specialist Member of the American Association of Endodontists (AAE), Certified Member European Society of Endodontology (ESE) and the Board Member and Treasurer of the German Society of Endodontology and Traumatology (DGET).

ABSTRACT:
The best possible chemomechanical debridement of root canal systems is a prerequisite for endodontic success. In complicated root canals, this task can be quite difficult for every dentist since the management of very narrow root canals, canals with sharp curvatures, obliterated root canals or oval root canals is very challenging. The risk of instrument fractures, perforations or ledges is a major concern in treating those canal systems. Besides the right strategy, the new age NITi File systems available in market can play a pivotal role in overcoming these challenges. Due to special heat treatment of variety of NITi Materials and sharp cutting edges, these files exhibit a high flexibility and safety in every situation.
In this lecture we will showcase the adaptation of newer systems and their unique features which make it possible to use it in nearly every anatomical situation explained.

DECLARATION OF INTEREST:
Lecture supported by the MANI Company.
DAYS 4 - 26.09.20

Dr. Mohammed Hammo
BDS, DESE

TOPIC: How to Manage Endodontic challenges
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Hammo graduated from Jordan University in 1992 (BDS), and continued his higher education in Endodontics from Saint-Joseph University in Lebanon, 2001 (DESE). Dr. Hammo has been lecturing locally and globally (more than 150 international conferences). He has publications in different scientific journals. He owns the Hammo Endodontic Clinics in Amman; additionally he is a consultant Endodontist in Qatar and Bahrain. He is the former president of the Scientific Committee of Jordan Dental Association, currently serving as the director of Endodontic Program in the British Academy of Implant and Restorative Dentistry (BAIRD), and is an expert in the Dental XP group.

ABSTRACT:
Clinicians are often faced with endodontic cases that are significantly more challenging than the primary root canal. This presentation outlines some of the common treatment modalities which can be employed in situations in which either primary treatment has failed, or there is iatrogenic damage or unusual anatomy.

DECLARATION OF INTEREST:
Lecture supported by the Woodpecker Company.
Dr. Allen Ali Nasseh
DDS, MMSc.

TOPIC: Problem solving in endodontic surgery
(Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Allen Ali Nasseh received his Doctor in Dental Surgery degree from Northwestern University Dental School in 1994 and completed his postdoctoral endodontic training at Harvard School of Dental Medicine in 1997, where he also received a Masters in Medical Sciences degree in the area of bone physiology. He is a Senior Clinical Instructor and Lecturer in the Post-doctoral endodontic fellowship in the Department of Restorative Dentistry and Biomaterial Sciences at Harvard School of Dental Medicine since 1997. He is the president and Chief Executive Officer for Real World Endo, a medical device innovation and education company. He has developed several medical devices, products, and materials currently in use today. He is an endodontic editor to several peer reviewed journals and periodicals and a member of the NIH/NIDCR Clinical Needs Advisory Board for the Michigan Pittsburgh, Wyss Center for regenerative Medicine. He is also a member of the Materials and Instruments Committee for the American Dental Association (ADA). He is the owner and director of Microsurgical Endodontics, a multi-specialty clinical endodontic practice in Boston, MA. In his spare time, he produces documentaries, music, and travel videos, plays squash and tennis, and coaches little league soccer.

ABSTRACT:
Unsurmountable endodontic challenges can often be addressed through a variety of surgical Endodontic approaches involving root repairs, apicoectomies, and retrofitting procedures. But surgical Endodontics can have its own share of clinical challenges. Anatomical variations, surgical access, identification of roots, retro preparation and retrofitting are often more challenging than many non-surgical challenges. As the director of MicroSurgical Endodontics, and the surgical course director for the post doc endo program at Harvard School of Dental Medicine, Dr. Nasseh shares some of his clinical experiences and techniques in this area to effectively address clinical problems during surgical apicoectomy and retrofitting procedures. Following this presentation, attendees will:
1. Have a better understanding of the basic goals of surgical Endodontics
2. Have a sense of tools that facilitate treatment planning for surgery
3. Be able to describe an efficient retro preparation and retrofitting technique

DECLARATION OF INTEREST:
Lecture supported by the Eighteenth company.

Eighteenth
TOPIC: How to manage Endodontic Retreatment: Nonsurgical & Surgical management (Webinar and Video Demonstration)

BIOGRAPHY:
Dr. Ruddle is the Founder and Director of Advanced Endodontics. Additionally, he maintains teaching positions at various dental schools, is a fellow in both the American and International Colleges of Dentistry, and has authored numerous articles and chapters for leading textbooks. As an inventor, he has designed and developed several instruments and devices that are widely used internationally. He is best known for providing superb education through his lectures, instructional DVDs, and “ONE-ON-ONE” training courses in Santa Barbara, California.

ABSTRACT:
Clinicians frequently encounter endodontically treated teeth that are failing. The vast majority of these teeth can be successfully retreated utilizing nonsurgical and/or surgical methods. Dr. Ruddle will identify, describe, and powerfully show the technical steps that serve to guide each case to a successful completion. This webinar is designed for the dental team whose vision is to retain endodontic strategic teeth and optimize patient care.

Webinar Objective:
1. Appreciate the interrelationships between root canal systems and predictable success.
2. Understand when to perform nonsurgical versus surgical treatment.
3. Learn technology-driven techniques that can be utilized to grow your practice.

DECLARATION OF INTEREST:
NIL
IFEA Acknowledges the meaningful support of our esteemed INTERNATIONAL CORPORATE SPONSORS

Platinum sponsor
Dentsply Sirona

Gold sponsor
MORITA
WOODPECKER

Silver sponsor
ZEISS
FKG swisa endo
KAVO Kerr
COLTENE
META BIOMED

Bronze sponsor
COXO Pfizer
Fotona
LABOMED
Eighteenth
SHOFU
MANI
Sanma
angelus
VDW
Samson
IFEA WEC 2020

Virtual Trade Booth

23rd, 24th, 25th & 26th September 2020

Trade visitors can view the trade booth layout 24x7 from IST: 1:30 pm/GMT: 8 am 23rd Sept to IST: 9:30 pm/GMT: 4 pm 26th Sept 2020.

Live text/chat and video sessions with the trade sponsors will be from IST: 2pm/GMT 8:30 am to IST: 9pm/GMT: 3:30pm on all 4 days.
IFE A ONSITE CONGRESS 2021

Invited Keynote Speakers
12th IFEA World Endodontic ONSITE Congress
August 12-14 | 2021
Chennai | India
www.ifea2020india.com

INVITED SPEAKERS

Syngcuk Kim
USA
James L Gutmann
USA
Lars Andersson
Sweden
Stanley F Malamed
USA

Martin Trope
USA
Gianluca Gambarini
Italy
Clifford J Ruddle
USA
Arnaldo Castellucci
Italy

Shanon Patel
UK
Anil Kishen
Canada
12th IFEA World Endodontic ONSITE Congress
August 12-14 | 2021
CHENNAI | INDIA
www.ifea2020india.com

INVITED SPEAKERS

Hagay Shemesh
Netherlands

Filippo Cardinali
Italy

Hyeon-Cheol
Henry Kim
South Korea

George A. Bruder
USA

John Khademi
USA

Yoshi Terauchi
Japan

Ghassan Yared
Lebanon

Roeland De Moor
Belgium

Jenner
O. Argueta
Guatemala

Elisabetta Cotti
Italy
INVITED SPEAKERS

Venkat Canakapalli
New Zealand

Sashi Nallapati
Jamaica

Carlos Aznar Portoless
Spain

Talai Al Nahlawi
Syria

Walid Nehme
Lebanon

Mehmet Baybora Kayahan
Turkey

Ahmed Hashem
Egypt
12th IFEA World Endodontic ONSITE Congress
August 12-14 | 2021
CHENNAI | INDIA
www.ifea2020india.com

COUNTRY REPRESENTATIVE SPEAKERS

- Hideki Shiba
  Hiroshima University
  Japan
- José Aranguren
  University Rey Juan Carlos
  Spain
- Roberto Fornara
  Private Practise
  Italy
- Rodrigo Vivan
  University of Sao Paulo
  Brazil
- Zivile Grabiauskiene
  Lithuanian University of Health Sciences, Lithuania
- Liliana Artaza
  University of Salvador
  Argentina
- Carla Zogheib
  Saint Joseph University
  Lebanon
- Muna Al Ali
  Jordanian Society for Endodontics, Jordan
COUNTRY REPRESENTATIVE SPEAKERS

Hussain Faisal Al-Huwaizli
University of Baghdad, Iraq

Gevik MalkHassian
University of Toronto, Canada

Claudia Garcia
Universidad Nacional de Colombia

Alan Gluskin
University of The Pacific, USA

Gardon Nicolas
Private practitioner, France

Shehab El Din Mohamed Saber
British University, Egypt

Yun-Chan Hwang
Chonnam National University, Korea
IFEA ONSITE CONGRESS 2021

Onsite Registration details
# 12th IFEA World Endodontic ONSITE Congress

**August 12-14 | 2021**

**CHENNAI | INDIA**

www.ifea2020india.com

## REGISTRATION

Indian Student Member

<table>
<thead>
<tr>
<th>Registration fees (inclusive of 18% GST)</th>
<th>Till December 31st 2020 (Early bird offer)</th>
<th>January 1st 2021 to April 30th 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indian Student Member</strong></td>
<td>INR 11800</td>
<td>INR 13000</td>
</tr>
<tr>
<td>(Lunch at payable basis at food court)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Indian Student Member</strong></td>
<td>INR 15950</td>
<td>INR 17600</td>
</tr>
<tr>
<td>(with food services inclusive of)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

https://www.ifea2020india.com/registration.php
### Registration Indian Delegate Member

<table>
<thead>
<tr>
<th>Registration fees (inclusive of 18 % GST)</th>
<th>Till December 31st 2020 (Early bird offer)</th>
<th>January 1st 2021 to April 30th 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indian Delegate Member (Lunch at payable basis at food court)</td>
<td>INR 15350</td>
<td>INR 16900</td>
</tr>
<tr>
<td>Indian Delegate Member (with food services inclusive of buffet lunches)</td>
<td>INR 19500</td>
<td>INR 21450</td>
</tr>
</tbody>
</table>

https://www.ifea2020india.com/registration.php
# Registration

**International Delegate Members**

<table>
<thead>
<tr>
<th>Registration fees (inclusive of 18 % GST)</th>
<th>Till April 30th 2021 (Early bird offer)</th>
<th>May 1st to May 31st 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFEA country members</td>
<td>USD 500</td>
<td>USD 550</td>
</tr>
<tr>
<td>Non IFEA country members</td>
<td>USD 600</td>
<td>USD 650</td>
</tr>
<tr>
<td>International Student / Trainee</td>
<td>USD 300</td>
<td>USD 350</td>
</tr>
</tbody>
</table>

https://www.ifea2020india.com/registration.php
India calling
India calling

#1, Must see Taj Mahal

one of the most significant Mughal Empire architectural marvels still stands in all its beauty and finesse in Agra, Uttar Pradesh, India.
India calling

#2, Must see
Jaipur

Majestic buildings, tales of heroic battles, resplendent forts and palaces, and multi-faceted characters, Jaipur has long been one of the shiniest cultural jewels in the history of the Indian subcontinent. With friendly people known for their hospitality, Jaipur offers a plethora of options for travellers.
India calling

#3, Must see

Tanjore Temple

Built by Raja Raja Chola between 1003 and 1010 AD, Brihadeeswarar temple is a part of the UNESCO World Heritage Site known as the "Great Living Chola Temples", along with the Chola dynasty era Gangaikonda Cholapuram temple.

The entire structure with sculptures is of granite stones, with so many sculpted on single stones. It is in the state of Tamil Nadu.
India calling

#4, Must see Mahabalipuram

Famous for its intricately carved temples and rock-cut caves, Mahabalipuram or Mahabalipuram as it is famously known, is a historically important and well-loved tourist location situated on the Coromandel Coast along the Bay of Bengal, in the state of Tamil Nadu & is an hours drive from Chennai.
India calling

#5, Must see

Mysore Palace

An incredibly breathtaking example of Indo-Saracenic style of architecture, the Mysore Palace is a magnificent edifice located in Mysore in the state of Karnataka. Referred to as the 'City of Palaces', Mysore houses seven other places, but none come close to awe-inspiring grandeur of this palace.
India calling

Laid out by British architect Edwin Lutyens, the Indian capital New Delhi is a striking modern metropolis. A gracious contrast to Old Delhi’s winding streets, the grand avenues and stately buildings of New Delhi are rich with history and culture, from Gandhi’s Delhi home to the tomb of Humayun, a complex of Mughal buildings reminiscent of the Taj Mahal.
India calling

Hampi is an ancient village in the south Indian state of Karnataka. It’s dotted with numerous ruined temple complexes from the Vijayanagara Empire. On the south bank of the River Tungabhadra is the 7th-century Hindu Virupaksha Temple, near the revived Hampi Bazaar. A carved stone chariot stands in front of the huge Vittala Temple site.

#7, Must see

Hampi
India calling

#8, Must see Golden Temple

The Harmandir Sahib, also known as Darbar Sahib, is a Gurdwara located in the city of Amritsar, Punjab, India. It is the prominent pilgrimage site of Sikhism. It is usually called the Golden Temple in English, because it is plated with gold.
India calling

#9, Must see Ellora Caves

These 34 monasteries and temples, extending over more than 2 km, were dug side by side in the wall of a high basalt cliff, not far from Aurangabad, in Maharashtra. Ellora, with its uninterrupted sequence of monuments dating from A.D. 600 to 1000, brings the civilization of ancient India to life.
India calling

The Victoria Memorial is a large marble building in Kolkata, West Bengal, India, which was built between 1906 and 1921. It is dedicated to the memory of Queen Victoria (1819-1901) and is now a museum and tourist destination under the auspices of the Ministry of Culture.
India calling

The Thiruvalluvar Statue is a 133-feet (40.6 m) tall stone sculpture of the Tamil poet and philosopher Valluvar, author of the Tirukkural, an ancient Tamil work on secular ethics and morality. It is located atop a small island near the town of Kanyakumari on the southernmost point of the Indian peninsula on the Coromandel Coast, where two seas (the Bay of Bengal and the Arabian Sea) and an ocean (the Indian Ocean) meet.

#11, Must see
Kanyakumari
India calling

#12, Must see
Qutub Minar

The Qutub Minar, is a minaret that forms part of the Qutub complex, a UNESCO World Heritage Site in the Mehrauli area of Delhi, India. It is a 73-metre tall tapering tower of five storeys, with a 14.3 metres base diameter, reducing to 2.7 metres at the top of the peak.
India calling

Madurai is an energetic, ancient city on the Vaigai River in the South Indian state of Tamil Nadu. Its skyline is dominated by the 14 colorful gopurams (gateway towers) of Meenakshi Amman Temple. Covered in bright carvings of Hindu gods, the Dravidian-style temple is a major pilgrimage site.

#13, Must see

Madurai
India calling

The Khajuraho Group of Monuments is a group of Hindu temples and Jain temples in Chhatarpur district, Madhya Pradesh, India, about 175 kilometres southeast of Jhansi. They are a UNESCO World Heritage Site. The temples are famous for their nagara-style architectural symbolism and their erotic sculptures.
India calling

For many travellers, Kerala is South India’s most serenely beautiful state. Just setting foot on this swathe of soul-soothing, palm-shaded green will slow your subcontinental stride to a blissed-out amble. Kerala is a world away from the frenzy of the rest of India, its long, fascinating backstory illuminated by historically evocative cities like Kochi and Thiruvananthapuram.

#15, Must see Kerala
India calling

A land like no other with a superabundance of attractions to visit and fabulous landscapes, amazing people and culture, Ladakh is truly a heaven on Earth. Ladakh is mystical in all the spheres it covers, from nature, geography, sceneries to the modest cultures that it fosters. Right from gompas to the sensational momos, the superabundance of attractions to visit makes this city make it heaven on earth.

#16, Must see
Leh Ladakh
India calling

#17, Must see
Char Minar

The monument was built in 1591 by Muhammad Quli Qutb Shah, the fifth king of the Qutb Shah dynasty, as the first building in Hyderabad, his new capital. Over the years, it has become a signature monument to and an iconic symbol of the city's heritage.
India calling

An Architecture Marvel of Eastern India and a symbol of India's heritage, Konark Sun Temple is situated in the eastern state of Odisha, India and is one of the eminent tourist attractions. Konark houses a massive temple dedicated to the Sun God. Konark, built in the middle of the 13th century, is a massive conception of artistic magnificence and engineering dexterity.

#18, Must see
Konark Sun Temple
India calling

#19, Must see
Kanchipuram

Kanchipuram, also known as Kanchi, is an ancient city in southern India's Tamil Nadu state. It is an hours drive from Chennai. Considered a holy pilgrimage site by Hindus, it is home to many temples. The 8th-century Kailasanathar Temple, dedicated to Lord Shiva, is a vast complex with intricate sandstone carvings. Ulagaland Perumal Temple houses a huge statue of Lord Vishnu.
India calling

Varanasi is a city in the northern Indian state of Uttar Pradesh dating to the 11th century B.C. Regarded as the spiritual capital of India, the city draws Hindu pilgrims who bathe in the Ganges River’s sacred waters and perform funeral rites. Along the city’s winding streets are some 2,000 temples, including Kashi Vishwanath, the “Golden Temple,” dedicated to the Hindu god Shiva.
Explore India
Explore India

Must Experience
Banana Leaf Lunch

Serving the sumptuous lunch spread on a banana leaf is a custom in South India that dates back to hundreds of years of tradition and hospitality. The banana tree is considered to be auspicious as it is a symbol of prosperity and harbinger of good fortune. An integral part of any wedding feast, having the hot food on a banana leaf imparts a unique flavor and aroma to the dish. The leaves are not themselves eaten and are discarded after the contents are consumed.

For a finger licking feast on an eco-friendly platter!
Experience a banana leaf lunch during the 12th IFEA World Endodontic Congress!!
For a lot of Indians, there are few caffeinated beverages that prove as potent and satiating as a cup of good old filter coffee. Brewed extra strong with plenty of sweetened milk and served in steel cups that sit atop containers known as dabarah, this local coffee has been fueling parts of South India for centuries now.

Sip some authentic Indian Filter Coffee (Kumbakonam Dikakshan Degree Kapi) during the 12th IFEA World Endodontic Congress!
Explore India

Must Experience
Paani Puri - Golgappa

Panipuri is a type of snack from UP/Bihar region of the Indian subcontinent. It consists of a round, hollow puri, deep-fried crisp crepe and filled with a mixture of flavored water, tamarind chutney, chili, chaat masala, potato, onion or chickpeas.

To experience a rainbow of sweet and tangy flavors!
Gobble a few Indian Paani Poories during the 12th IFEA World Endodontic Congress!!
Explore India

Must Experience
Auto rickshaw ride

An auto rickshaw (also known as a tuk-tuk or auto) is a motorized development of the traditional pulled/cycle rickshaw, which balances on three wheels and does not tilt. A must experience in the city as there are no doors, & the ride to the destination can be exciting.

Have a fun fueled ride during the 12th IFEA World Endodontic Congress!
Explore India

Must Experience
Ayurvedic Massage

Ayurvedic massages borrow from the principles of Ayurveda to create a unique experience that focuses on relaxation, stress relief and releasing emotional blockages.

Traditional Rejuvenator:
Make time to get an ayurvedic massage during your visit to India!
Explore India

Must Experience
Kerala Boat House

Backwater is synonymous with Kerala, and the most popular spot to experience the backwaters of the region is Alleppey (also known as the Venice of the East). Cruising along the labyrinthine pathways of palm-fringed waterways in a houseboat, expanding across villages, paddy fields and small chapels—this experience earns it a spot on this list. You can also see an array of birds along the path.

In God’s own country Kerala, Book A Boat House.
Deserts are the highlight of Rajasthan, and the best way to experience such beauty is via a camel safari. Camel safari is nothing less than thrilling, exciting and an altogether fabulous way to get a taste of the rural desert life — as well as immerse in the local culture.

Sitting on seated camel you’ll feel on top of the world. Sitting on standing camel, you’ll be in Cloud Nine.
Henna is basically a dye that gives a cooling effect when applied on the skin and gives red color to it. It is mostly used on hair as a natural dye but is commonly used to decorate hands. When it dries completely, the skin is washed with water to reveal the dyed color. Asian brides are not complete until they have applied Henna on their hands and feet.

Décor your pretty hands with a temporary Indian tattoo (Henna). Meet a Henna Artist during the 12th IFEA World Endodontic Congress!
Explore India

Must Experience
Indian Spices

Indian cuisine is known for its bold and complex flavors, which are created using a variety of spices. These exotic condiments add aroma and fill up your senses and gastronomic needs.

Oue own state of Tamilnadu is a shopper’s paradise to carry back delectable memories and memoirs of these spices.
Must Experience
Kalakshetra, Chennai

Founded by Rukmini Devi Arundale in 1936, the Kalakshetra Foundation was established as a space for artistic expression, education and discovery. Stretching out over almost 100 acres, it is one of the most important centers for studying fine arts in South India with a focus on developing Indian values through Bharatanatyam dance and Gandharva Veda music.

Take a stroll around these sylvan surroundings & get a flavour of dance, vocal music, yoga, percussion instruments & multiple crafts.
Explore India

Must Experience
Indian silk weaving tour at Kanchipuram

Say Indian Silk and the colorful Kanchipuram sarees are all you can think of! Even the beautiful ancient temples of the holy town of Kanchipuram step back and let you soak in the silken grandeur of its only industry.

Don’t miss out on taking a look at these weaves of pure silk and indulge in their majesty by owning this masterpiece.
Khadi – handspun fabric, is India’s prized legacy which was introduced by Mahatma Gandhi. Spinning of this hand-woven cloth has been an ancient textile art, which is done on a charkha (spinning wheel). Being a versatile fabric, Khadi has stood the test of time and is much sought after by fashionistas and designers the world over.

Try your hand at spinning a yarn, and choose a stole or top that fits you best!
Explore every nooks and corners of the majestic Himalayas, taking a thrilling motorcycle ride. Petrolheads from across the globe have Leh Ladakh bike trip on their travel bucket list, and it is rapidly gaining more popularity. Get a glimpse of the northern region's natural beauty and picturesque locations that are connected by both smooth and twisted roads. Motorcycling across Ladakh includes riding through a few of the steepest mountain passes in India as well as the highest motorable road in the world - the Khardung La Pass that is at a height of 18,370 feet.

At the highest roof of the world – Drive a bike at Ladak.
River rafting in India has emerged as one of the most popular high-adrenaline water sports. White water (rapids) rafting may invoke fear, but under appropriate guidance and vigilance it can be enjoyable and exciting.

Have the time of your life riding the waves, getting splashed and enjoying the sudden plunges in the gush of the cooling waters.
Explore India

Must Experience
Drape a Saree

A saree is a woman’s garment from Indian subcontinent that consists of a drape varying from 4.5 to 8 meters in length and 60 to 120 centimetres in breadth that is typically wrapped around the waist, with one end draped over the shoulder, baring the midriff.

Drape a silk saree to feel like an Indian Queen during the 12th IFEA World Endodontic Congress!
Must Experience
Tanjore Painting

This attractive objet d’art is exclusive to South India (Tanjore). The paintings are characterised by rich and vivid colours, simple iconic composition and glittering gold foils overlaid on delicate but extensive gesso work with an inlay of glass beads and pieces of rare precious, semi-precious gems.

Be the proud owner of a Tanjore painting – surely a collector’s item.
Explore India

Must Experience
Temple Visit

The state of Tamil Nadu is a hub of temples of various faiths. Built in the unique South Indian architectural styles with sculptures and frescoes, these temples are a symbol of spirituality, culture and art. The Vimanam (temple top) converges to conserve positive cosmic energies.

Visit a temple & experience the architectural marvel within during the 12th IFEA World Endodontic Congress!
Nothing can prepare you to experience the magnificence of this feline. You will remember your first Tiger sighting for the rest of your life. On safaris, do not go with the single determination to only watch the Tiger. Instead, enjoy his habitat, the flora and fauna in totality, and then will you enjoy seeing the Tiger even more.

Must Experience
Tiger Safari

Up-close but not too close, view the big cat - Tiger Safari.
Explore India

Must Experience
Trekking

The soft sport of trekking is a great get-away for the adventurous. India boasts of several hill stations besides the magnificent Himalayan mountain ranges for those who love trekking.

Pack your backpacks and get set to climb those mountains and get your bird’s eye view.
Explore India

Must Experience
Yoga

Yoga is an outlet to seek true inner peace, and set the body, mind, soul and spirit in perfect unison. It incorporates breathing exercises, meditation and postures (aasanas) designed to encourage relaxation, reduce stress and help build physical strength and flexibility.

Join a sunrise yoga rejuvenator session during the 12th IFEA WEC.
TRU NATOMY™
True, Natural, Anatomy

- More space for debridement & defects extraction
- Respect of the natural tooth anatomy
- Preservation of root integrity while allowing for appropriate irrigation, disinfection and obturation

For a truly smooth, controlled and efficient experience.

dentsplysirona.com/trunatomy  @trunatomy  Facebook

DENTSPLY SIRONA
Surf the canal with confidence

WaveOne® Gold offers you the simplicity of a one-file shaping system combined with higher flexibility* to respect the canal anatomy. Now available with a corresponding glide path file to optimize your shaping preparation. Experience the feeling of confidence throughout your treatment.
WHAT HAVE WE DONE IN THE PAST 31 YEARS?

One of The Best In Global Ultrasonic Scaler Sales
One of The Best In Global Piezo Surgery Sales
One of The Best In Global Curing Light Sales

Perio Series
- Reamers & Inserts
- PT1
- Endo Perio
- PT-3
- PT-A

Surgery Series
- Piezocure
- Surgery-A
- Impact
- Implant
- Low LVS

Ultrasonic Scaler
- Ultrasonic Scaler 2000
- Ultrasonic Scaler 2000
- Ultrasonic Scaler 80
- Ultrasonic Scaler 18

Endo Series
- Handpiece
- Endo Electric
- Automatic Woodpecker Plus
- Automatic PTFE Plus
- Automatic Woodpecker Plus
- Automatic PTFE Plus
- Automatic Woodpecker Plus
- Automatic PTFE Plus

Restoration Series
- Pre-form
- Post-filler
- Cure Led
- Dual-cure
- Dispenser
- Cure
- 127-B"
BRUSHLESS ENDO MOTOR

Super mini head & Slim neck
Stronger power
Precise rotation
Lower noise
ROOT ZX MINI
- Accurate Measurement
- Automatic calibration
- No zero-adjustment
- Clear Liquid Crystal Display
- Compact design

DENTAPORT ZX
- Accurate Measurement
- No zero-adjustment
- Automatic calibration
- Clear Liquid Crystal Display

TRI AUTO ZX2
- OGP (Optimum Gate Path)
- DTR (Optimum Torque Reversal)
- OAS (Optimum Apical Stop Function)
- Precise Manual Canal Measurement

TRI AUTO MINI
- Innovative functions
- Rechargeable battery
- 8 storage locations for instrument parameters
- Modularly expandable with Root ZX mini

-thinking ahead. Focused on life.

MORITA

info@morita.co.in
www.morita.com

GOLD SPONSOR: MORITA
BOOTH NO: G2
Thinking ahead. Focused on life.

MORITA

Veraviewepocs 3D R100
Veraviewepocs 3D R100 is ideal for implant planning with full arch imaging, industry-leading clarity, and low dose to the patient.

Veraview ix
Two LED light beams converge into a single point for visual confirmation of correct alignment for accurate X-rays.

Veraview X800
- All-in-one dental X-ray unit: The Veraview X800 is produces stunning images for panoramic, cephalometric, and CBCT evaluation.
- High resolution: This unit offers a minute voxel size of 30 mm and features a horizontal X-ray beam for artifact reduction.
R-Motion

RECPROICATION REDEFINED

SAFE. EASY. MINIMALLY INVASIVE.

www.fkg.ch/r-motion
HyFlex™ EDM
A miracle of flexibility and fracture resistance!
- Up to 700% higher fracture resistance
- Fracture resistance by visual inspection
- Regeneration by thermal treatment
- Specially hardened surface
- Less filing required for treatment success
- Reduced number of files required

HyFlex® CM
controlled memory niti files

No Rebound
+ Extreme Flexibility
= Superior Canal Tracking

The Path to Perfection
- Extremely Resistant to Separation & Highly Flexible
- Superior Canal Tracking
- Easy to Follow File Sequence

For Special Offers for IFEA WEC participants, Please contact: +91 8291912973
SILVER SPONSOR: COLTENE
BOOTH NO: S2

Coltene Welcomes you
12th IFEA
World Endodontic Congress

CanalPro CL2
(LED) Optic Cordless

- Optic Cordless Endomotor with LED
- 9 Memory Programs – Mode (Forward / Reverse / Forward Reciprocating / Reverse Reciprocating), Speed, Torque, Buzzer
- Auto Stop reverse feature
- Push Type miniature head
- Maximum Speed: 600 rpm
- Torque: 0.5 to 3.0 (Forward and reverse mode); 2.0 to 7.0 (Reciprocating Mode)
- Wider LCD Display – Torque level is displayed at real time.
- Long Lasting Li-Ion Battery – Operable for 90 min.

CanalPro™ Apex Locator

A Sensory Experience: See and hear what you feel:
SEE the depth on intelligent display.
HEAR the audio signal when nearing the apical region.
FEEL the accuracy of measurement with confidence.

For Special Offers for IFEA WEC participants, Please contact: +91 8291912973
Calcium Silicate-based Premixed Bioceramic Sealer

CeraSeal

- Perfectly Suppressing the Bacteria in the Canal
  - High pH level (12.73)

- Excellent Healing Effect
  - High-cell viability & Absolutely Non-Toxic

- Great Accessibility even to the Small Accessory Canal
  - High Flowability (24mm)

Visit our booth @S3
SILVER SPONSOR: META BIOMED
BOOTH NO: S3

**LIVE**
Webinar & Video Demonstration

Management Of Challenging Clinical Scenarios With Calcium Silicate-based Materials

23rd Sep 2020
7:00 PM (India)
9:30 AM (EST)
1:30 PM (GMT)

Jenner O. Argueta
Perfecting your art.

ZEISS EXTRARO 300

INNOVATION
MADE BY ZEISS

EXTRARO® 300 from ZEISS provides breakthrough visualization modes enabling new dental applications. It is poised to revolutionize and differentiate your practice with:

- Augmented Visualization
- Digital Patient Communication
- Single-Handed Operation

Learn more about a new dimension in visualization today!
www.zeiss.com/dentistry/extaro-300
SILVER SPONSOR: CERKAMED
BOOTH NO: S5

Sun Dental & Medical Devices

CERKAMED Medical Company

Various medical devices and products are displayed, including:
- RAINBOW
- MICRO-USB APPLICATOR
- BIO MTA
- CALCIUM
- BLUE ETCH
- Orange

These products are showcased in a globe-like background, emphasizing a global reach.
SILVER SPONSOR: CERKAMED
BOOTH NO: S5

Sun Dental & Medical Devices

Special offer
for the congress participants

Buy BTR Pen at Rs. -65,000
and get Cerkamed products
worth Rs. -10,000 FOR FREE!

Welcome to India

If you want to place an order, please contact Biraj +91-9987055554
Simply one step ahead

Same cutting efficiency and simplicity of use

Increased flexibility and safety

Simple, but effective: The new RECIPROC blue file generation combines the ease of the original RECIPROC one file endo concept with enhanced safety in root canal preparation and retreatment for patients. An innovative heat treatment makes RECIPROC blue particularly flexible to ensure a smoother and safer progression in the canal and gives it in addition its characteristic blue color. Simply one step ahead.

RECIPROC blue

vdw-dental.com
VDW.ROTATE™ NiTi Root Canal File

The remix taking rotary preparation to the next level

VERSATILITY
VDW.ROTATE™ includes an intuitive 3 file basic sequence plus a wide range of larger files for various clinical cases with matching paper points and obturators.

RESPECT OF THE NATURAL CANAL ANATOMY
The instruments follow the natural canal anatomy smoothly thanks to its specific heat treatment making the file more flexible without compromising its cutting efficiency.*

EFFICIENT DEBRIS REMOVAL
The adapted S cross section gives more space for debris removal and provides control of the instrument for a swift, thorough and safe preparation.

Be virtuous!

Set the beat! vdw-dental.com
BRONZE SPONSOR: SEPTODONT
BOOTH NO: B2

Special Offer For IFEA Delegates
10% Off On M.R.P.

For More Information Contact
Vilas Shetty 9323507558
Bronze Sponsor: Septodont
Booth No: B2

BioRoot™ RCS
Root Canal Sealer
High seal, and much more

Special Offer For IFEA Delegates
10% Off On M.R.P.

For More Information Contact
Vilas Shetty 9323507558

septodont
MANI Depth Marker Dia-Burs®

Make “Guide Grooves” on tooth surface which allows to have safe and effective laminate veneer preparations of teeth can be done. These Dia-Burs® are Non-Tapered, packed with Japanese technology & quality, highly efficient and provide precise grinding of the tooth surface.

<table>
<thead>
<tr>
<th>Single wheel 0.3mm depth</th>
<th>Single wheel 0.5mm depth</th>
<th>3 wheels 0.3mm depth</th>
<th>3 wheels 0.5mm depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall length: 23.7 mm</td>
<td>Overall length: 22.2 mm</td>
<td>Overall length: 22.7 mm</td>
<td>Overall length: 22.2 mm</td>
</tr>
<tr>
<td>Working length: 3.4 mm</td>
<td>Working length: 6.1 mm</td>
<td>Working length: 6.1 mm</td>
<td>Working length: 6.1 mm</td>
</tr>
<tr>
<td>Max. Diameter: 2.8 mm</td>
<td>Max. Diameter: 2.1 mm</td>
<td>Max. Diameter: 2.1 mm</td>
<td>Max. Diameter: 2.1 mm</td>
</tr>
<tr>
<td>Groove depth: 0.3 mm</td>
<td>Groove depth: 0.5 mm</td>
<td>Groove depth: 0.3 mm</td>
<td>Groove depth: 0.5 mm</td>
</tr>
</tbody>
</table>

Burs for 0.5mm have groove on the shanks.

Tip guide prevents excessive cutting.

MANI Medical India Pvt. Ltd.
2nd Floor, No.11, Community Centre, East of Kailash, New Delhi - 110065
Phone: +91 11 425 44586 http://www.manindia.in
@ManiMedicalind @Mani-Medical-India @ManiIndiaOfficial
MANI Endo Holder

Ideally suited for Endodontists working with Mani Micro Files.

The MANI Endo Holder fits perfectly to all MANI Micro Accessories. These accessories are especially designed for operations under the surgical microscopy.

Micro Files

Optimized for Endodontists working with Microscope.

Specialized MANI Micro Files with excellent performance in the micro-operational field.

These Micro Files ideally fit to the MANI endo Holder. These files are especially designed for operations under the surgical microscopy.

Micro Files

Your advantages:

- Fits perfectly into the MANI Endo holder.
- Taper 0.02.

Indications:

Type K
- Substitute for normal K-Files.

Type H
- For enlarging a root canal or removing cement, Gutta Percha, and for cutting pieces.

Type F
- For checking flare preparation or root canal enlargement using taper of 0.05.

MANI Medical India Pvt. Ltd.
2nd Floor, No.11, Community Centre, East of Kailash, New Delhi -110065
Phone: +91 11 425 44586 http://www.maniindia.in

@ManiMedicalind @Mani-Medical-India @ManiIndiaOfficial
BEAUTIFIL II
The Art Of Direct Resin Restoration

The patented S-PRG technology contributes to its anti-cariogenic and anti-plaque properties.

Available in different viscosities to choose from based on the need and comfort of use.

Enhanced durability and excellent translucency ensures a complete Mechanical and Aesthetic reinforcement.

info@shofudental.co.in 9831 068 450 shofudental.co.in shofudentalindia
Glaslonomer FX ULTRA
Universal Enhanced Glass Ionomer Restorative

Type IX restorative with a remarkable translucency and excellent shade stability
Unique formulation contributes to its exceptional strength and durability
Indicated for a variety of cases including core build ups and ART restorations

info@shofudental.co.in  9831 068 450  shofudental.co.in  shofudentalindia
Greater Strength Equals Less File Separation
Increased safety reduces stress and creates better patient outcomes

Instrument separations is a serious concern in endodontics. Nickel titanium (NiTi) endodontic instruments were introduced to facilitate instrumentation of curved canals. NiTi instruments are super-elastic and will flex for more than stainless-steel instruments before exceeding their elastic limit reaching their separation point.

ExactTaper F1
Stronger than both
Dentsply Protaper Gold F1
and EdgeTaper TM F1

This flexibility is an important property that allows preparation of curved canals while minimizing transportation. Despite this increased flexibility, separation is still a concern with NiTi instruments. The clinical concern is that NiTi files have been reported to undergo fatigue failure which occurs unexpectedly without any sign of previous deformation and therefore visual inspection would not seem to be the ideal way of evaluating nickel titanium instruments in order to prevent fracture.

DS White EXACTTaper™ Files offer greater flexibility that is more resistant to cyclic fatigue when tested against both Dentsply Protaper™ Gold and Edge Endo EdgeTaper™ Platinum Files.

EXACT Endodontic Files
BUY 5 PACKS GET 1 AT NO CHARGE®

100% Satisfaction Guaranteed®

Visit us on the web at www.white-dental.com
Are you struggling to find canals with your standard instruments?

42% of retreatment in molars is due to canals being missed during the first root canal treatment.

EndoGuide® Burs are specifically designed for precise straight line root canal access:
- Eliminates 2-3 Gates Gleen
- Eliminates Gates and 1. Ultrasonic tip
- Better visibility and feel for M2:3:19 and calcified canals
- Removes old gold and posts in half the time
- Eliminates for created micro ledge

EndoGuide® Burs and Kits
EndoSafe Endo® Burs

20% OFF MSRP

20% OFF MSRP

Choose from: EndoGuide® A/B and Molar Kits
EndoGuide Burs (2.5) Sold in Packs of 5

100% Satisfaction Guaranteed

White Dental® Baldr Patient Outcomes Improved Efficiency Faster Practice Growth
Visit us on the web at www.endoguide.com/whitedental
BRONZE SPONSOR: ANGELUS
BOOTH NO: B7

More than biocompatible, bioactive!
Angelus, leader in Bioceramics

MTA ANGELUS
Bioceramic Reparative Cement
A super treatment for accidental and endodontic complications

OFFER 20% Off

BIO-C SEALER
Bioceramic Root Canal Sealer
Ready to use

OFFER 20% Off
BRONZE SPONSOR: ANGELUS
BOOTH NO: B7

More than biocompatible, bioactive!
Angelus, leader in Bioceramics

MTA REPAIR HP
Bioceramic based high-plasticity reparative cement
The same efficiency with superior handling
OFFER 20% Off

MTA-FILLAPEX
Bioceramic based root canal sealer
As biological as the pulp tissue
OFFER 20% Off
BRONZE SPONSOR: SANMA
BOOTH NO: B8

DSLRA Attachment
Integrated HD CMOS 1080p camera

Optional Focal lens
- 250mm / 300mm
- 200mm - 380mm
- 200mm - 500mm (Controlled by Motorized Handgrip)

Optical Head Optional Features:
- Magnification: 3 or 5 Step or 1:6 Ratio zoom
- Assistant Co-observer Tube
- Motorized Fine Focus, Zoom, Joystick control for Optical Head Swivel & Axial Movements

Model: Lumin Pro

0°-210° tilt able binocular eyepiece

www.sanmas.com
Ceiling Mount, a complete comfort zone for surgeon, assistant and patient

Floor Stand, convenient to relocate the unit whenever & wherever within the clinic

Wall Mount, the wall unit will stretch at your arm limits

www.sanmas.com
BRONZE SPONSOR: FOTONA
BOOTH NO: B9

The universe at your fingertips.

LightWalker

The highest technology dental laser system

Supreme clinical results:
- TwinLight® Perio Treatments
- TwinLight® Endo Treatments
- NanoLase soft tissue surgery
- Patient-friendly conservative dentistry
- Pre-sets for over 40 applications

Unmatched simplicity of use:
- Balanced and weightless OPTOFlex® arm
- Nd YAG handpiece detection system
- Quantum Square Pulse technology for fast, minimally invasive treatments
- X-Laser®—the first digitally controlled Er:YAG dental laser handpiece

Visit Fotona’s booth (Hall: 7D, Plaza: 2, Arriv. M, No. 050) to find out more about our latest high-performance, A intra-powered LightWalker laser systems and minimally invasive dental solutions.

Fotona App
SkyPulse®
A new generation of compact Fotona lasers

A compact, easy to use Er:YAG Laser tailored for your practice!
Better Endo treatment Solution

COXO Medical Instrument Co., Ltd.
www.coxotec.com
BRONZE SPONSOR : COXO
BOOTH NO : B11

COXO
Professional Dental Manufacturer
SINCE 2001

One-stop solution
Step by step help you finish the treatment

COXO Medical Instrument Co., Ltd.
www.coxotec.com
BRONZE SPONSOR: VRIKSHA
BOOTH NO: B12

customized & creative services
define us.
differentiate us.

vriksha
a presentation port

Official Design Partner
IFEA 12th WEC
serving you is our CORE thought
See you soon in 2021