

25
YEARS

UAE International Dental Conference &
Arab Dental Exhibition

إيكد
AEEEDC
DUBAI

29 June - 1 July 2021
Dubai World Trade Centre



CONFERENCE PROGRAM

Organized by



Strategic Partner



الهيئة الاتحادية للهوية والجنسية
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MINISTRY OF HEALTH & PREVENTION

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President of the United Arab Emirates



His Highness Sheikh Mohammed bin Rashid Al Maktoum
Vice President and Prime Minister of the United Arab Emirates and Ruler of Dubai

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Message from the Executive Chairman



Dr. Abdul Salam Al Madani

Executive Chairman

AEEDC Dubai and Global Scientific Dental Alliance

As the Executive Chairman, it gives me immense pleasure to welcome you all to the 25th edition of the UAE International Dental Conference and Arab Dental Exhibition- “AEEDC Dubai”, which is considered as the largest annual scientific dental conference and exhibition in the world.

AEEDC Dubai is a world-renowned event that left an undeniable footprint in the field of dentistry since its inception in 1996. Despite all the challenges that the world is going through due to the Covid-19 pandemic, we are very thrilled to be able to hold this pivotal event in Dubai, who, thanks to our wise leadership and the efforts of the health authorities, was able to ensure a safe environment for holding such a huge event with following all the precautionary measures to guarantee a safe experience for all the visitors from all over the world.

The 25th edition, held under the theme “Education & Innovation Transfer”, features yet another rich and comprehensive scientific program that deeply tackles the latest advances & researches in various specialties from Pediatric Dentistry, Restorative Dentistry, Oral Implantology, to Aesthetics and Digital Dentistry and much more, all through a number of renowned dentists, specialists, researchers, academicians, students and top CEO’s and senior dental experts from different parts of the world.

We have also packed in some exciting scientific activities and competitions including the popular ‘AEEDC Dubai Student Competition’ which will be held virtually and the ‘Poster Presentation Competition’ to address the passion of students and dentistry professionals in the UAE and the region. AEEDC Dubai also includes a number of specialty pre-conferences courses, and the Dubai World Dental Meeting.

On the sideline of the conference, AEEDC Dubai Exhibition will bring together over 4,000 International Exhibiting Brands where suppliers and buyers of the Oral and Dental Industry can meet under one roof to discover endless business opportunities and showcase their latest products and advancements in this field.

I would like also to take this opportunity to thank our trusted partners, exhibitors, and all key stakeholders for their continuous support and I wish you all a safe and pleasant stay in Dubai.

Message from the Honorary Chairman



Dr. Tariq Khoory

Honorary Chairman – AEEDC Dubai
Consultant – Dubai Dental Services, Dubai Health Authority

It gives me great pleasure to welcome you all the 25th edition of AEEDC Dubai, which is a very special edition, not only because it marks the silver jubilee of this celebration of dentistry worldwide, but also because it comes during a time the world is actively recovering from a pandemic that took the world by storm.

The COVID-19 pandemic has undoubtedly affected all aspects of our lives and has had a major impact on dentistry as a field despite it being an essential service, especially due to the restrictions that were imposed on practicing dentistry during the initial stages of the lockdown worldwide due to safety measures. Therefore, the need for continuous education in these times is greater than ever, and sharing knowledge and information is of utmost importance, and the need to come together as a community is fundamental to facilitate the opportunities to learn from each other and interact with one another, which is an essential tool for building the dentistry field up and developing it further.

We are thrilled to be witnessing another edition of AEEDC Dubai, which is an event like no other, and are very happy to come together as a community. I would like to express my gratitude towards the continuous support we receive from our valued partners, exhibitors, lecturers and all key stakeholders, and the dentistry community as a whole, and would like to thank you all for trusting AEEDC Dubai to provide value and reinforce knowledge, and for being a significant element of its success.

I hope you achieve your set goals for AEEDC 2021, and wish you a pleasant stay in Dubai.

Message from the Scientific Chairman



Dr. Nasser Al Malik
Scientific Chairman – AEEDC Dubai

Dear participants and exhibitors we welcome you once again to the 25th edition of AEEDC Dubai.

Since our last meeting many things have changed in the world around us due to the pandemic of covid-19.

We have moved our date to compensate for all the changes going on due to the pandemic, but we have managed to do our best to keep the conference as rich as possible in educational and exhibition offerings.

Despite the challenges we maintained a rich educational program and exhibition floor. With more than 3000 exhibitors and 75 speakers covering all the specialities of dental profession.

We did our best to maintain a safe and engaging environment for all our visitors by following strict standards of Covid-19 social distancing and disinfection to make the experience safe but engaging for participants in the conference and exhibition visitors.

We hope you enjoy this special edition of AEEDC Dubai.

Message from the Scientific Vice-Chairman



Dr. Mohammad Abedin

DMD, Facharzt

Consultant Oral & Maxillofacial Surgery Dep – DHA Scientific
Vice-Chairman AEEDC Dubai

It is an honor to welcome our guests and partners to the 25th Jubilee of our AEEDC Dubai.

Once more hard work made AEEDC Dubai the first, this time the first in gathering the professionals and the manufacturers physically amidst difficult conditions and in challenge to a global problem.

AEEDC Dubai is again the revolving center of the industry, for celebration and education.

The 25th edition's spread of knowledge and exchange of ideas goes this time one step further, AEEDC Dubai, full of all that matters to the whole industry, presents in a hybrid form, both physically and virtually, on-site and on-line.

Welcome to all colleagues, welcome to all friends, welcome to our 25th annual family gathering.

International Scientific Advisory Board



Dr. Abdul Salam Al Madani

Executive Chairman - AEEDC Dubai and
Global Scientific Dental Alliance UAE



Dr. Tariq Khoory

Honorary Chairman – AEEDC Dubai
Consultant – Dubai Dental Services,
Dubai Health Authority
UAE



Prof. Abdullah Al Shammery

Scientific Chairman, Global Scientific Dental Alliance
Rector, Riyadh Colleges of Dentistry and Pharmacy,
Riyadh, Kingdom of Saudi Arabia, Scientific Consultant
of the Executive Board of Council for the Health
Ministers of the GCC States
KSA



Dr. Maryam Sayed Jaffar

BDS, MSc in healthcare management, CAGs, MSc in
Orthodontics, MFDS RCPS (Glasg)
Director of Data and Statistics Department
Emirates Health Services



Dr. Mohammed Al Jishi

Former President, Arab Dental Federation
Bahrain



Dr. Robert Edwab

Executive Director
Greater New York Dental Meeting
USA

International Scientific Advisory Board



Dr. Howard Lieb

Special Assistant to the Dean Clinical Associate
Professor, International Project Coordinator, New
York University, College of Dentistry, Member - ADA
Council of Annual Sessions
USA



Prof. Hani F. Ounsi

DCD, DESE, PhD, FICD
Department of Restorative Dentistry, Endodontics
and Esthetic Dentistry Faculty of Dentistry, Lebanese
University Visiting Professor, Department of
Restorative Dentistry and Endodontics Faculty of
Dentistry, University of Siena, Italy



Prof. Ziad Salameh

DDS, MSc, PhD
Director, Research Center,
Faculty of Dental Medicine, Lebanese University
Lebanon

Acknowledgement

The Chairman and the members of the organising committee of the UAE International Dental Conference and Arab Dental Exhibition - AEEDC Dubai 2021 would like to express their gratitude to all speakers, participants, sponsors and to all those who contributed to the success of the meeting.

Special Thanks



AEEDC Dubai Scientific Organising Committee



Dr. Abdul Salam Al Madani

Executive Chairman

AEEDC Dubai and Global Scientific Dental Alliance
UAE



Eng. Anas Al Madani

Vice Chairman & Group CEO
INDEX Holding



Dr. Nasser Al Malik

Scientific Chairman
AEEDC Dubai



Dr. Mohammed Abedin

DMD, Facharzt, Consultant Oral & Maxillofacial Surgery
Dep- DHA, Scientific Vice Chairman
AEEDC Dubai



Dr. Matios Tcholakian

Senior Business Development Manager
INDEX Conferences & Exhibitions Org. Est.
(a member of INDEX Holding)



Siddarth Nanthur

Senior Project Manager
INDEX Conferences & Exhibitions Org. Est.
(a member of INDEX Holding)

AEEDC Dubai Scientific Organising Committee



Dr. Rania Al Haridi
DDS, Scientific Program Manager
INDEX Conferences & Exhibitions Org. Est.
(a member of INDEX Holding)



Dr. Maha Negm
BDS, MDS, Specialist Oral & Maxillofacial Surgeon,
Scientific Coordinator
Member of AEEDC Dubai Scientific Committee



Jeanette Sales
Operations Manager
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Raouf Shabayek
Operations Manager
INDEX Conferences & Exhibitions Org. Est.
(a member of INDEX Holding)



Dr. Pratik Manghnani
BDS, Scientific Coordinator
INDEX Conferences & Exhibitions Org. Est.
(a member of INDEX Holding)

Accreditation

UAE International Dental Conference has received the following CME Accreditation

UNITED ARAB EMIRATES
MINISTRY OF HEALTH & PREVENTION



الإمارات العربية المتحدة
وزارة الصحة ووقاية المجتمع

This Program has been awarded a maximum of **21.75 CPD Credit Hours**

Accreditation # MOHAP/CPD/21/0154
(Based on attendance)

Dubai Health Authority

Accreditation Number: DHA/MTS/ACC/21-0784/A

Total Number: 71.75 Credit Hours.

Maximum Obtainable: 22 Credit Hours.
(Based on attendance)



CDE/PD Accredited Hours: 30 CDE/PD Hours

Accreditation Number: 0011/2021
(Based on attendance)

ADA CERP® | Continuing Education
Recognition Program

INDEX Conferences & Exhibitions Organization Est is an ADA CERP Recognized Provider.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

INDEX Conferences & Exhibitions Organization Est. designates this activity for **20** continuing education credits.

Continuing Professional Development / Education “Earning Credits”

Terms & Conditions

Dear Participant,

AEEDC Dubai continues to develop the knowledge platform for oral health professionals in the Middle East and North Africa. This year, AEEDC Dubai will continue its endeavor to provide quality Continuing Medical Education programs through hosting high caliber lecturers and providing credit hours from prestigious scientific organizations such as the Dubai Health Authority. In addition to the above, INDEX Conferences & Exhibitions Organization Est is an ADA CERP Recognized Provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education.

Credit Hours available at AEEDC Dubai 2021:

• Dubai Health Authority: (Maximum of)	22 cr
• UAE Ministry of Health & Prevention: (Maximum of)	21.75 cr
• Arab Academy for Continuing Dental Education: (Maximum of)	30 CDE/PD
• INDEX (ADA CERP): (Maximum of)	20 cr

The credit hours can be collected by participants as per the guidelines below. Please note that it's imperative that you follow the guidelines below to ensure that you receive your credit hours in full.

AEEDC Dubai aims to raise the customer satisfaction bar and provide more transparency by providing a new automated delegate registration system which helps in calculating the credit hours earned during your participation at the conference.

How does the system work?

- Every time you enter or exit the conference hall, you will be required to scan your badge at the gateway located at the entrance of the conference hall. Failure to scan your badge will result in non-calculation of the credit hours.
- The System will automatically calculate the time spent during the session based on your entry and exit.

How much time do I need to spend during a session?

- To earn the credit hours assigned to the session, you will need to attend a minimum of 75% of the lecture. For Example: If the session is 1 hour long, a delegate needs to spend a minimum of 45 minutes at the session to earn the designated credit for that session.

When can I collect my Continuing Education Certificate?

- You can collect the Certificate of Attendance only on the last day of the event.
- For the Continuing Education Certificate, the system will calculate the total number of credit hours you earned based on your overall attendance at the conference. The Certificates can be viewed and printed any time after 20th of July 2021.

How can I collect my Continuing Education Certificate?

- Visit AEEDC website (aeedc.com) and click on the CE certificate button for collection of the certificate. This service will be available from 20th of July 2021 and step by step instructions can be found at AEEDC website.

For further details and clarification, please contact info@aeedc.com

Guest Speakers

Abdulghani Ibrahim Mira	KSA
Abeer Al Subait	KSA
Abhishek Kumar	Sweden
Adnan A Ishaq	KSA
Ahmed El Zohairy	Egypt
Amey G Patil	USA
Amr Tuhami	Egypt
Angelo Cardarelli	Italy
Asmaa Seliem	Egypt
Constantine Pavlakos	USA
Dalia El Bokle	Egypt
Denis Bourgeois	France
Diego Portnoi	Argentina
Dimitar Filtchev	Bulgaria
Ed Miller	USA
Edmond Koyess	Lebanon
Eve Cuny	USA
Faaiz Alhamdani	Iraq
Fabio Mizutani	Italy
Faisal Bin Abboud	KSA
Fawad Javed	USA
Filippo Cardinali	Italy

Guest Speakers

Giuseppe Romeo	Italy
Hamad S AlRumaih	KSA
Hanaa Ashkar	KSA
Hezekiah Adeyemi Mosadomi	KSA
Hossam Abdel-atty Eid Abdelmagyd	UAE
Ibrahim AlShahrani	KSA
Ira Titunik	USA
Ivan Chakalov	Bulgaria
Jaafar Bajaefer	KSA
James Doundoulakis	USA
Jean Francois Lasserre	France
John J. Young Jr.	USA
Kathy Eklund	USA
Khalid Motlaq	KSA
Kopikrishna Thinrunelakandan	Liechtenstein
Laila Bahammam	KSA
Les Kalman	Canada
Manal AlHalabi	UAE
Mandar Pimprikar	India
Marc B Gainor	USA
Marcelo Faveri	Brazil
Marwa Mohamed Sabry	Egypt

Guest Speakers

Mohamad Koleilat	UAE
Mohamed Jamal	UAE
Mohammed Ali Chohan	UK
Mohammed Bahanshal	KSA
Murad Alrashdi	KSA
Neeta Chandwani	USA
Nehaba Rathod	UAE
Olaniyi Taiwo	Nigeria
Prashant Bhasin	India
Randa Zein	Lebanon
Richard Lipscomb	USA
Said Dhaimy	Morocco
Samer Ali Abdelrahman	UAE
Sami Farsi	KSA
Shahid Mahmood	KSA
Shatha Al-Shali	KSA
Simon Chummar	UAE
Steven Gold	USA
Tariq Rowaihy	KSA
Vivek Padmanabhan	UAE
Zivile Grabliauskiene	Lithuania



Conference Hall Sheikh Maktoum - A
PHYSICAL HALL

Chairpersons: **Inas Eshahawi, Maryam Sharif**

09:00 - 09:45 Dentistry & Social Media – Is It Worth It “For The ‘Gram?”
Nehaba Rathod

09:45 - 10:30 Color in Dentistry
Diego Portnoi (Virtual)

10:30 - 11:15 Technical Diagnostic Esthetic Approach
Giuseppe Romeo (Virtual)

11:15 - 12:00 Pushing the limit of Direct Composite Restorations
Kopikrishna Thinrunelakandan (Virtual)
“This session has been made possibly by Ivoclar Vivadent”

12:00 - 14:00 Break & Exhibition Visit

Chairpersons: **Sultan Mohd Bakhsh, Shamsa Abdulla Salem AlAli**

14:00 - 15:00 Simplified Occlusal : Evaluation and Diagnosis
Marc B. Gainor (Virtual)

15:00 - 15:45 Diagnosing and Treating Cracked Teeth
John J. Young Jr.

15:45 - 16:45 Occlusal Treatment Options: Bite Appliance Therapy & Equilibration
Marc B. Gainor (Virtual)

16:45 - 17:30 Communication Skills Needed To Be a Successful Restorative Dentist
Mohammed Ali Chohan (Virtual)

17:30 - 18:00 Exhibition Visit

**Conference Hall Sheikh Maktoum - B**
PHYSICAL HALL**Chairpersons: Alyaa Almadani, Hitham About****09:00 - 09:45** Facial Transformation Using Interface Between Prosthodontics, Orthognathic and Implant Surgery
Simon Chummar**09:45 - 10:30** Veneers Unlimited Is it Time to Change our Bonding Protocols? In Vitro Aspect
Ivan Chakalov**10:30 - 11:15** Veneers Unlimited. Is it Time to Change Our Bonding Protocols. Clinical Aspects
Jean- Francois Lasserre**11:15 - 12:00** Tissue Development Preparation Technique- A New Approach in Prosthetic Dentistry
Dimitar Filtchev**12:00 - 14:00** Break & Exhibition Visit**STUDENT COMPETITION****14:00 - 17:00** STUDENT COMPETITION**17:00 - 18:00** Exhibition Visit



Conference Hall Sheikh Rashid - C
HYBRID HALL

Chairpersons: **Hazem Mourad, Khalid Al Gergawi**

09:00 - 09:45 Better Preps, Less Stress.....Creating Readable C+B Margins, Workable Impressions, and Functional Provisionals - Part I
Richard Lipscomb

09:45 - 10:30 Optimal Clinical Results utilizing All-Ceramic Restorations Part I
James Doundoulakis

10:30 - 11:15 Better Preps, Less Stress.....Creating Readable C+B Margins, Workable Impressions, and Functional Provisionals - Part II
Richard Lipscomb

11:15 - 12:00 Optimal Clinical Results Utilizing All-Ceramic Restorations Part II
James Doundoulakis

12:00 - 14:00 Break & Exhibition Visit

Chairpersons: **Nouman Waheed, Suhailah Mohamed AlShaali**

14:00 - 14:45 Thinking Digital; How to use Science and Advanced Digital Techniques to Manage Complex Endodontic Cases
Mohamed Jamal

14:45 - 15:30 Endo-Perio lesions
Shahid Mahmood (Virtual)

15:30 - 16:15 Infection Control in Endodontics and Restorative Dentistry
Filippo Cardinali

16:15 - 17:00 Clinical Behavior of Heat Treated NiTi Files in Shaping Curved and Narrow Canals?
Edmond Koyess
"This session has been made possibly by Dentsply Sirona"

17:00 - 18:00 Exhibition Visit



Conference Hall Sheikh Rashid - D
HYBRID HALL



Collaboration

COVID - 19 : An Update Forum

Chairpersons:

Nadia Mohammed Saleh, Joan Binas

09:00 - 09:45

Emerging Infectious Diseases

Eve Cuny (Virtual)

"This session has been made possibly by OSAP"

09:45 - 10:30

Environmental Infection Prevention and Control

Kathy Eklund (Virtual)

"This session has been made possibly by OSAP"

10:30 - 11:15

Standard and Transmission-Based Precautions

Eve Cuny (Virtual)

"This session has been made possibly by OSAP"

11:15 - 12:00

Instrument Processing and Sterility Assurance

Kathy Eklund (Virtual)

"This session has been made possibly by OSAP"

12:00 - 14:00

Break & Exhibition Visit

Chairpersons:

Zameera Mohammed, Emad Omar Abusirdaneh

14:00 - 14:45

Periodontal Surgical Procedures to Enhance Restorative Treatment:

Aesthetic Crown Lengthening

Constantine Pavlakos (Virtual)

14:45 - 15:30

Of the use of Periodontal Mouthwashes to Impact the Salivary Viral Load of COVID-19: What do we really know?

Denis Bourgeois (Virtual)

"This session has been made possibly by Curadent Symposium"

15:30 - 16:15

Treatment of Peri-implant Soft Tissue Dehiscences at Single Implant Sites in the Esthetic Zone

Marcelo Favari

"This session has been made possibly by Bioinnovation"

16:15 - 17:00

Upgrading results with Resorbable Versus Non Resorbable Membranes in Guided Bone Regeneration: When and Why"

Fabio Mizutani

"This session has been made possibly by Bioinnovation"

17:00 - 18:00

Exhibition Visit



Conference Hall Sheikh Maktoum - A
PHYSICAL HALL

Chairpersons: **Fetna Al Mutawa, Sameh Sulaiman**

09:00 - 09:45

Orofacial Pain Part 1
Amey G Patil (Virtual)

09:45 - 10:45

How "Going Digital" can be a Game Changer in your Orthodontic Practice
Dalia El Bokle
"This session has been made possibly by MEDIT"

10:45 - 11:30

Conservative Esthetic Solutions
Ahmed El Zohairy
"This session has been made possibly by Dentsply Sirona"

11:30 - 12:15

The Clinical Importance of Light Polymerisation
Kopikrishna Thinrunelakandan (Virtual)
"This session has been made possibly by Ivoclar Vivadent"

12:15 - 14:00

Break & Exhibition Visit

Chairpersons: **Basim Abuhawas, Sahar Abdo Othman AlQayadhi**

14:00 - 14:45

Atrophic Jaws Rehabilitation using a Reduced Number of Implants:
Immediate Function and Immediate Aesthetics
Angelo Cardarelli
"This session has been made possibly by AB"

14:45 - 15:30

Laser Assisted Oral Soft Tissue Management
Randa Zein

15:30 - 16:15

The Use of Piezosurgery Approach in Extraction Surgery
Angelo Cardarelli
"This session has been made possibly by Mectron"

16:15 - 17:00

Orofacial Pain Part II
Amey G Patil (Virtual)

17:00 - 18:00

Exhibition Visit



Conference Hall Sheikh Maktoum - B
PHYSICAL HALL

POSTER COMPETITION EVALUATION

09:00 - 12:00

Poster Competition Evaluation

12:00 - 14:00

Break & Exhibition Visit

STUDENT COMPETITION

14:00 - 17:00

STUDENT COMPETITION

17:00 - 18:00

Exhibition Visit



Conference Hall Sheikh Rashid - C

HYBRID HALL



Collaboration

Saudi Prosthodontic Society Forum

Chairpersons:

Ali Alfaifi, Mansour Al Ghamdi

09:00 - 09:20

Course Concept & Introduction

Adnan A. Ishaq

"This session has been made possibly by Saudi Prosthodontic Society"

09:20 - 10:00

Foreseeing the End

Tariq Rowaihy & Sami Farsi

"This session has been made possibly by Saudi Prosthodontic Society"

10:00 - 10:45

The Power of Smile Design (Holistic Dentistry)

Mohammed Bahanshal

"This session has been made possibly by Saudi Prosthodontic Society"

10:45 - 11:15

Psychological Approach to Patient Coming for Esthetic Treatment

Hanaa Ashkar

"This session has been made possibly by Saudi Prosthodontic Society"

11:15 - 12:00

Ethical and Profitable Esthetic Dentistry Tailored to Your Daily Practice

Adnan A. Ishaq

"This session has been made possibly by Saudi Prosthodontic Society"

12:00 - 14:00

Break & Exhibition Visit

Chairpersons:

Rayan Asali, Loulwa Al Wabel

14:00 - 14:30

Esthetic Dental Photography and Shade Consideration

Jaafar Bajaefer

"This session has been made possibly by Saudi Prosthodontic Society"

14:30 - 15:15

Ceramic Laminate Veneers: Mock-up, Preparation, and Temporization

Sami Farsi & Shatha Al-Shali

"This session has been made possibly by Saudi Prosthodontic Society"

15:15 - 15:45

The Power of Smile Design (Holistic Dentistry) | How to Perform Smile Design Using Keynote or Power Point Software (Live Demo)

Mohammed Bahanshal

"This session has been made possibly by Saudi Prosthodontic Society"

15:45 - 16:15

Esthetic Dental Photography and Shade Consideration | No-preparation Veneers and Impression Consideration

Jaafar Bajaefer

"This session has been made possibly by Saudi Prosthodontic Society"

16:15 - 16:45

Lithium Disilicate v Zirconia Dioxide: Dawn of Ceramic Justice

Adnan A. Ishaq

"This session has been made possibly by Saudi Prosthodontic Society"

16:45 - 17:15

Ceramic Laminate Veneers: Mock-up, Preparation, and Temporization | Ceramic Laminate Veneers: Cementation and Case Delivery

Shatha Al-Shali

"This session has been made possibly by Saudi Prosthodontic Society"

17:15 - 18:00

Exhibition Visit



Conference Hall Sheikh Rashid - D
HYBRID HALL

Chairpersons: **Elham Elshaboury, HEND Abouelnasr**

09:00 - 09:45 Ceramic Veneer. Everything you need to know
Khalid Almotlaq

09:45 - 10:30 Improving the Root-Canal Disinfection: Update on the New Technologies
Said Dhaimy (Virtual)

10:30 - 11:15 Newer Irrigation Strategies and Irrigants in Endodontics
Mandar Pimprikar (Virtual)

11:15 - 12:00 Endodontics Decoded
Prashant Bhasin (Virtual)

12:00 - 14:00 Break & Exhibition Visit

Chairpersons: **Mohamad Koleilat, Mariam AlJasmi**

14:00 - 14:45 Resorbable and Non-resorbable Membranes in Advanced Bone Reconstruction. How to Select Them?
Marcelo Favari
"This session has been made possibly by Bioinnovation"

14:45 - 15:45 Periodontal Surgical Procedures to Enhance Restorative Treatment: Gingival Augmentation/Root Coverage
Constantine Pavlakos (Virtual)

15:45 - 16:30 Preparing the Graft Material for the Highest Performance in Reconstructive Surgery: From Pure use to 3d Customization
Fabio Mizutani
"This session has been made possibly by Bioinnovation"

16:30 - 17:15 Error in Treatment Planning Management in Daily Practice Focused to Surgical Dentistry
Mohamad Koleilat

17:15 - 18:00 Exhibition Visit



Conference Hall Sheikh Maktoum - A
PHYSICAL HALL

Chairpersons: **Dina Debaybo, Mohammad Mansoor**

09:00 - 09:45 Epigenetics: A Promising Revolution in Dentistry
Marwa Mohamed Sabry (Virtual)

09:45 - 10:30 Avulsion- are you Confident About Managing it ?
Samer Abdelrahman

10:30 - 11:15 Parental Stress and Its Implications Effects on Their Child Behavior and Oral Status
Faisal bin Abboud

11:15 - 12:00 The Boston Children's Hospital Experience In Caring For Children With Special Health Care Needs
Neeta Chandwani (Virtual)

12:00 - 14:00 Break & Exhibition Visit

Chairpersons: **Maamoun Ataya, Shehzana Fatima**

14:00 - 14:45 Root Apex From Radiology to Biology
Zivile Grabliauskiene (Virtual)

14:45 - 15:45 Regenerative Endodontics
John J. Young Jr.

15:45 - 16:45 Management of Impacted Teeth
Edward J Miller Jr (Virtual)

16:45 - 17:30 Medicolegal Investigation of Death and Assault Victims, Including Pattern Injuries and Bitemarks, Human Identification of the Living and the Dead
Ira Titunik (Virtual)

17:30 - 18:00 Exhibition Visit



Conference Hall Sheikh Maktoum - B
PHYSICAL HALL

Dental Education Forum: “Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era”

Chairpersons: **Khaldoon AL Sharaa, Reem Al Halak**

09:00 - 09:45

Dental Education Forum:

COVID-19 and Dental Education, Moving Forward
Manal AlHalabi

“This session is not accredited by MOHAP”

09:45 - 10:30

Dental Education Forum:

KAUFD Experience during COVID-19 Pandemic – The Challenge
Abdulghani Ibrahim Mira

10:30 - 11:15

Dental Education Forum:

COVID-19: Successes and Challenges in Online Teaching
Ibrahim Al Shahrani

11:15 - 12:00

Dental Education Forum:

Dual Dental & Medical Degree Program for Selected Dental Specialties
Hezekiah Mosadomi (Virtual)

“This session is not accredited by MOHAP”

12:00 - 14:00

Break & Exhibition Visit

Chairpersons:

Hamideh Abdeghader Daryanavard, Hana Al Barq

14:00 - 14:45

Dental Education Forum:

Reform of the Assessment System within Dental Curriculum: A Novel Initiative
Hossam Abdelatty Eid Abdelmagyd

“This session is not accredited by MOHAP”

14:45 - 15:30

Dental Education Forum:

Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era
Vivek Padmanabhan

15:30 - 16:15

Applications of Intraoral Scanners in Prosthodontics
Hamad S AIRumaih

“This session has been made possibly by MEDIT”

16:15 - 17:00

Promotion of Dental Diseases Preventive Measures by “Gown” and “Town” Stake Holders
Hezekiah Mosadomi (Virtual)

17:00 - 18:00

Exhibition Visit



**Conference Hall Sheikh Rashid - C
HYBRID HALL**



Collaboration

IADR Forum

Chairpersons:

Deema Alshammery, Foroogh Abdulla Khadri

09:00 - 10:00

The Journey of a Patent From Idea to Grant
Laila Bahammam

"This session has been made possibly by International Association of Dental Research - IADR"

10:00 - 11:00

Fundamentals of Designing a Clinical Trial
Murad Alrashdi

"This session has been made possibly by International Association of Dental Research - IADR"

11:00 - 12:00

Vaping & Oral Health
Fawad Javed (Virtual)

"This session has been made possibly by International Association of Dental Research - IADR"

12:00 - 14:00

Break & Exhibition Visit

Chairpersons:

Deema Alshammery, Said Ahmed AbdelInbi

14:00 - 15:00

How to Think, How to Read, How to Write?
Faaiz Alhamdani (Virtual)

"This session has been made possibly by International Association of Dental Research - IADR"

15:00 - 16:00

Writing Paper for Publication
Olaniyi Taiwo (Virtual)

"This session has been made possibly by International Association of Dental Research - IADR"

16:00 - 17:00

Designing Research Study
Abhishek Kumar (Virtual)

"This session has been made possibly by International Association of Dental Research - IADR"

17:00 - 18:00

Exhibition Visit



Conference Hall Sheikh Rashid - D
HYBRID HALL

Digital Dentistry Forum

Chairpersons: **Mohamad Battikh, Rami Tannoura**

09:00 - 10:00 The Complete Puzzle of Artificial intelligence & Computer Guidance in Digital Dentistry
Amr Tuhami & Asmaa Seliem

10:00 - 11:00 Tooth Preparation for Conservative CAD/CAM Restorations Part I
Steven Gold

11:00 - 12:00 Tooth Preparation for Conservative CAD/CAM Restorations Part II
Steven Gold

12:00 - 14:00 Break & Exhibition Visit

Digital Dentistry Forum

Chairpersons: **Beshir Elsayed, Hessa Ebrahim AlNeaimi**

14:00 - 15:00 Tooth Preparation for Conservative CAD/CAM Restorations Part III
Steven Gold

15:00 - 15:45 Artificial Intelligence in Dentistry
Abeer Al Subait

15:45 - 16:30 Disrupting Dentistry: Recent Advances and Novel Workflows in 3D Printing
Les Kalman (Virtual)

16:30 - 17:15 Become Digitally Indispensable: CAD/CAM for Dental Assistants
Steven Gold

17:15 - 18:00 Exhibition Visit

Abstracts

DAY ONE

29 June 2021



Nehaba Rathod

BDS, PGCert (Dist), Aesthetic & General Dentist
King's College Hospital London - UAE

Dentistry & Social Media – Is it Worth It “For The Gram?”



AEEDC Conference Hall - A

09:00 - 09:45

C.E.R.P: 0.75 cr.

Social Media has changed the world. The unfathomable rise of platforms such as Facebook, Instagram, Youtube and countless others has transformed the way the public receives and digests information, and patients now turn to these platforms for medical opinions and care. The dental profession has had to adapt quickly, but without sufficient guidance on recognising the areas of vulnerability. Incorrect or misuse of these social media tools can lead to significant ethical, legal and practical dilemmas, which have the power to negatively affect or bring the profession into disrepute. This presentation is designed to highlight the benefits and pitfalls of social media usage, specifically related to Dentistry, to ensure that the Doctor-Patient professional relationship is protected. It serves to help Dentists navigate this digital revolution through recommendations for best practice, ultimately to their benefit individually and as a collective professional group.

Learning objectives:

- Review ethical and legal implications of social media use in dental practice
- Evaluate the appropriateness of content posted on social media with a provided checklist
- Regulate the use of clinical images and photographs of patients for commercial or advertising purposes
- Conserve the doctor-patient relationship and reputation of the profession
- Utilise social media appropriately to benefit from its offerings



Diego Portnoi

DDS, Specialist in Dental Shade & Cosmetic Dentistry
Professor of Dental Materials, Private Practise, Argentina

Color in Dentistry



AEEDC Conference Hall - A

09:45 - 10:30

C.E.R.P: 0.75 cr.

Dentist can do his dental carving or restoration well, he can use best materials and best laboratories, but at the end of our cosmetic work, the patient evaluates our work by looking in the mirror and at that moment he will say: “this is perfect”, nothing is noticed or dr. “this work that you did looks I don’t like” which is of the utmost importance for success in the dental office.

Learning objectives:

- How to use new techniques for taking color
- Evaluate the capacity of color vision of each of conference participants
- How to use the different types of lights to take color different types of lights that will be use to take color
- Trick the eye of the observer to achieve an aesthetic result
- How to work the color on the surface of the resin to achieve a desired result



Giuseppe Romeo

MDT, CDT, Clinical Assistant Professor, Restorative Science Division,
University of Southern California - USA
Private Practice (Italy)

Technical Diagnostic Esthetic Approach



AEEDC Conference Hall - A

10:30 - 11:15

C.E.R.P: 0.75 cr.

Esthetics routine nowadays is also how to realize Beautification in face and smile. Despite we pay attention in esthetic smile, patient demanding is also connected to the harmonization of the face. Oral Facial Harmony it becomes necessary in order to complete the esthetic outcome focusing the aspect of the face and the smile together. The Oral Harmony it's a reality in Brazil and already started in other countries. Teeth will be going to be harmonized with the face and the body too. Oral Facial Harmony has to be sophisticated and not aggressive. This detail will make the look of the patient soft and graceful. Patient has also to be educated in terms to understand better the Beautification philosophy for face and smile. This procedure will show the Ultimate Style of Oral Facial Harmony esthetic treatment in connection with the individual Dental Anatomical Combination for customized smile.

Learning objectives:

- Digital and analogical procedures
- Individual tooth shape planning
- Facial harmony
- Ceramic layering technique
- High level communication between dental office and laboratory
- Implant technical procedures.



Kopikrishna Thinrunelakandan

DMD, PG Cert RDP, Senior Manager Global Education Clinical
Ivoclar Vivadent, Liechtenstein

Pushing the limit of Direct Composite Restorations



AEEDC Conference Hall - A

11:15 - 12:00

C.E.R.P: 0.75 cr.

After the current unprecedented pandemic, it is possible that patients will place dental care lower on their priority list. However, bread-and-butter dentistry with direct composite restoration will still have an important role to play in the immediate future. In this webinar, participants will learn how they can push the limits of modern-day composites. This involves using a combination of universal and bulk-fill composites to restore large dental cavities/replace cusps efficiently without compromising on performance and esthetics.

Learning objectives:

- The new norm in dentistry immediately during and after COVID-19
- Isolation of the treatment field
- Types of composite materials, their properties and indications
- How to streamline your direct restorative work to make practice efficient
- Clinical cases and studies supporting bulk-fill composites

"This session has been made possibly by Ivoclar Vivadent"



Marc B Gainor

DMD, MAGD, FACD, FICD, Visiting Faculty,
Spear Education - USA

Simplified Occlusal : Evaluation and Diagnosis



AEEDC Conference Hall - A

14:00 - 15:00

C.E.R.P: 1 cr.

This lecture will provide a scientifically based approach to occlusal evaluation and diagnosis. Attendees will learn various principles of occlusal, airway, joint and muscle evaluation, and gain confidence in managing occlusal problems in everyday practice.

Learning objectives:

- Review the key elements of occlusion, muscle and TMJ anatomy (as per the Pankey-Dawson occlusal philosophy)
- Determine bow bite force, OSA, attrition, abrasion and erosion affect prognosis and treatment planning
- Review the key elements of a complete occlusal, muscle and joint exam, and what positive findings mean
- Explain why Centric Relation is important, when to use it, and when its safe to use the existing occlusion
- Explain the Leaf Gauge and Lucia Jig- how to use them to safely load test the TMJ, deprogram muscles and take consistently accurate Centric Relation bite records



John J. Young Jr.

DDS, Member, American Dental Association,
 GNYDM Committee Fellow, Private Practise - USA

Diagnosing and Treating Cracked Teeth



AEEDC Conference Hall - A

15:00 - 15:45

C.E.R.P: 0.75 cr.

Root cracks and fractures can be two of the most frustrating aspects of endodontic and restorative dentistry. Cracked teeth are a common finding in dental practice but the diagnosis can be difficult because of the vague nature of its signs and symptoms. Studies show that the range of treatment for cracked teeth can vary from conservative restorative treatment to extraction and replacement with an implant or bridge. The goal of this presentation is to help the dentist better understand the complexities of diagnosing and treating the cracked tooth.

We will investigate the diagnostic and treatment challenges of tooth fractures in the long axis of the crown and root. This includes how to determine the extent of the longitudinal fracture, when a coronal restoration should be placed, when endodontic treatment is indicated, and when a tooth should be extracted based on the location and the extent of the fracture. Many cracked teeth can be treated and provide a lifetime of normal use through prevention and early detection.

Learning objectives:

- Classify the five types of cracked teeth.
- Explain why cracked teeth are hard to diagnose.
- Know the steps of crack detection and confirmation.
- Know how to treat cracked teeth appropriately.
- Know how to prevent vertical root fractures.



Marc B Gainor

DMD, MAGD, FACD, FICD, Visiting Faculty,
Spear Education - USA

Occlusal Treatment Options: Bite Appliance Therapy & Equilibration



AEEDC Conference Hall - A

15:45 - 16:45

C.E.R.P.: 1 cr.

This lecture will provide a scientifically based approach to occlusal treatment options: Bite appliance therapy & equilibration. Attendees will learn various principles of occlusal, airway, joint and muscle evaluation, and gain confidence in managing occlusal problems in everyday practice.

Learning objectives:

- Review the key elements of occlusion, muscle and TMJ anatomy (as per the Pankey-Dawson occlusal philosophy)
- Review the key elements of a complete occlusal. muscle and joint exam, and what positive findings mean
- Explain why Centric Relation is important. when to use it, and how it is employed in treatment
- Use exam findings to help choose the appropriate occlusal appliance
- Explain how to use the Leaf Gauge to take Centric Relation bite records and how it is used to equilibrate the dentition and adjust bite appliances



Mohammed Ali Chohan

BDS, MJDF RCS, MFDS RCPS, FHEA, MDCH, PGCert
General Dental Surgeon, Clinical Advisor NHS England, UK

Communication Skills Needed to be a Successful Restorative Dentist



AEEDC Conference Hall - A

16:45 - 17:30

C.E.R.P: 0.75 cr.

The ability to communicate effectively with patients, co-workers or other professionals is an essential component to providing well rounded and effective dental care. This is established through listening, speaking and effective interpretation when meeting interacting and diagnosing a dental patient. Discussion of Communication techniques for dentists and supporting evidence allowing to interpret both the patients verbal and non-verbal communication skills whilst also being aware of their own, thus, creating a balanced two-way process will be demonstrated.

Learning objectives:

- To be able to list verbal and non-verbal communication skills techniques
- To be able to assess the patients preferred communication style
- To recognise the indications for certain non-verbal communication techniques
- To be able to implement a communication protocol to assess patient expectations
- 5. To be able to use tonality and body language to communicate a wide range of information



Simon Chummar

BDS, MDS, MOSRCS (Edinburgh), Oral & Maxillofacial Surgeon
Zayed Military Hospital, UAE

Facial Transformation Using Interface Between Prosthodontics Orthognathic and Implant Surgery



AEEDC Conference Hall - B

09:00 - 09:45

C.E.R.P: 0.75 cr.

The entire process of transformation from start in childhood to adulthood will be explained. At the initially stages with prosthodontics help which involved temporary crowns, bridges, crown lengthening followed by at an appropriate age Orthognathic surgery and finishing off with implants and fixed bridge. Once the jaw was fully developed the deformity measured in terms of IOFTN Score and based of functional and orthodontic deformity patient underwent maxillary osteotomy, mandibular osteotomy, and genioplasty and temporary crowns and bridge to achieve a desirable occlusion and good facial appearance. She subsequently underwent extraction of deformed amelogenesis imperfect teeth as they would not give long term support to the bridge followed by implant placement and permanent bridge placement.

Learning objectives:

- This case shows the challenges faced by Amelogenesis imperfect cases from childhood and the importance of multidisciplinary team management with the prosthodontist and Maxillofacial surgeon, so the best outcome can be achieved .In addition patient compliance to achieve the results over the span of 15 years is also critical in the best outcome for this patient group.



Ivan Chakalov

DDS, MSc (Endodontics)
Private Practise (Sofia), Bulgaria

Veneers Unlimited Is it Time to Change our Bonding Protocols? In Vitro Aspect



AEEDC Conference Hall - B

09:45 - 10:30

C.E.R.P: 0.75 cr.

Modern dentistry evolves more and more toward minimally invasive techniques. A special place in its armamentum is reserved for the porcelain laminate veneers. The advance in the properties and technology of ceramic materials as well as the evolution of the adhesive protocols for ceramics has resulted in a major increase of the indications and possible application of the veneers in our practice. The generic term “veneer” actually covers a number of preparation designs ranging from a simple additive vestibular veneer to minimally invasive crowns, comprising different varieties with more or less overlap of the edge as well as ultra-thin ceramic restorations with complex forms.

Whether this delicate treatment will be a success or failure depends upon several key-factors:

- Choose a validated ceramic bonding protocol,
- Respect the enamel, this sacred tissue,
- Integrate facial references in restorations,
- Harmonize pink and white.

Once those conditions are all fulfilled the veneers allow us to make successful restorations with unprecedented beauty and naturalistic appearance as never before.

Learning objectives:

- Plan veneer treatment cases
- Execute precise preparation and impression and provisionalization techniques
- Execute proper bonding
- Take pre and post intra and extra oral photos
- Design proper occlusion



Jean – Francois Lasserre

Professor of Odontology University of Bordeaux, Private Practise - France

Veneers Unlimited. Is it Time to Change Our Bonding Protocols? Clinical Aspect



AEEDC Conference Hall - B

10:30 - 11:15

C.E.R.P: 0.75 cr.

Modern dentistry evolves more and more toward minimally invasive techniques. A special place in its armamentum is reserved for the porcelain laminate veneers. The advance in the properties and technology of ceramic materials as well as the evolution of the adhesive protocols for ceramics has resulted in a major increase of the indications and possible application of the veneers in our practice. The generic term “veneer” actually covers a number of preparation designs ranging from a simple additive vestibular veneer to minimally invasive crowns, comprising different varieties with more or less overlap of the edge as well as ultra-thin ceramic restorations with complex forms.

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- Harmonize pink and white.

Once those conditions are all fulfilled the veneers allow us to make successful restorations with unprecedented beauty and naturalistic appearance as never before. The lecture is comprised in two parts. The first one dealing with the variety in ceramic materials, the modern evolutions of the bonding protocols and which one to choose, providing a valuable microscopic insight on how our procedures actually impact the different types of ceramic materials. The second part of the lecture discusses the clinical implications of veneers, the preparation design variations and how to integrate our restorations with the face of the patient, obtaining a harmony between the pink and the white esthetic.

Learning objectives:

- Plan veneer treatment cases
- Execute precise preparation and impression and provisionalization techniques
- Execute proper bonding
- Take pre and post intra and extra oral photos
- Design proper occlusion



Dimitar Filtchev

PhD, Prosthodontist, President, Sofia Dental Meeting Association,
Private Practise - Bulgaria

Tissue Development Preparation Techniques – A New Approach in Prosthetic Dentistry



AEEDC Conference Hall - B

11:15 - 12:00

C.E.R.P: 0.75 cr.

Tissue Development Preparation Technique (TDPT), a new approach in the prosthetic dentistry is a lecture designed for both dentists that start doing crowns and veneers and those comfortable with their basic skills but would like to advance to the next level. The purpose of this lecture will be to teach all participants to successfully place ceramic restorations and introduce them to more advanced procedures.

The beauty of digital mock up is that it can be successfully planed by any dentist that is willing to learn the basic techniques. If you are currently not providing digital planning in your practice on a regular basis or do not feel confident, this lecture will provide you with the skills necessary to gain that confidence. The participants will learn how to do vertical preparations and to improve their skills to treat more demanding cases and malpositioned teeth.

Learning objectives:

- Introduction to ceramic restorations
- Avoiding failures and problems
- Diagnosis, when to consider ceramic veneers
- Patient communications and digital treatment planning
- Pre-restorative digital esthetic analysis and treatment



Richard Lipscomb

B.A, DDS, General Dentist,
Private Practice - USA

Better Preps, Less Stress....Creating Readable C+B Margins, Workable Impressions, and Functional Provisionals – Part I



AEEDC Conference Hall - C

09:00 - 09:45

C.E.R.P: 0.75 cr.

Videos and slides will show you what prepped tooth margins should look like, and how to create them. This course will help our team become more efficient in prepping teeth, making impressions, and fabricating provisional restorations. The key to predictable, functional, and esthetically pleasing C+B cases, is producing margins that everyone can see (the Lab Technician, the Dental Assistant, and the Dentist). This allows your lab to build upon a great foundation, the impression-making to be more predictable, and the provisional process becomes faster.

Learning objectives:

- Digital scanned preps and impressions, what the labs want to see
- Learn what C+B labs are looking for in preps and impressions
- Show how visible margins are created
- Learn options to manage soft tissue for better access to margins
- Review techniques on making impressions
- Learn how to be more efficient in making provisional restorations



James Doundoulakis

DMD, MS, FICD, FACD, Prosthodontist, President, Greenwich Dental Society
General Chairman, Greater New York Dental Meeting, Private Practice - USA

Optimal Clinical Results Utilizing All Ceramic Restorations Part I



AEEDC Conference Hall - C

09:45 - 10:30

C.E.R.P: 0.75 cr.

San Tzu wrote in his manifest The Art of War wrote that every battle is won before it is fought. Visualizing the final outcome prior to initiating treatment leads to greater treatment acceptance, compliance and superior long-term outcomes. Utilizing predictable diagnostic techniques and aids, clinicians can offer their patients the best results – techniques that offer patients confidence with the final product when considering elective procedures.

Learning objectives:

- Review oral and esthetic evaluation options of our esthetic cases.
- Review diagnostic aids that are both instructive and functional
- Review the choices of restorative materials available
- Review treatment options for various esthetic challenges
- Outline treatment sequencing and techniques



Richard Lipscomb

B.A, DDS, General Dentist,
Private Practice - USA

Better Preps, Less Stress....Creating Readable C+B Margins, Workable Impressions, and Functional Provisionals – Part II



AEEDC Conference Hall - C

10:30 - 11:15

C.E.R.P: 0.75 cr.

Videos and slides will show you what prepped tooth margins should look like, and how to create them. This course will help our team become more efficient in prepping teeth, making impressions, and fabricating provisional restorations. The key to predictable, functional, and esthetically pleasing C+B cases, is producing margins that everyone can see (the Lab Technician, the Dental Assistant, and the Dentist). This allows your lab to build upon a great foundation, the impression-making to be more predictable, and the provisional process becomes faster.

Learning objectives:

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- Learn what C+B labs are looking for in preps and impressions
- Show how visible margins are created
- Learn options to manage soft tissue for better access to margins
- Review techniques on making impressions
- Learn how to be more efficient in making provisional restorations



James H Doundoulakis

DMD, MS, FICD, FACD, Prosthodontist, President, Greenwich Dental Society
General Chairman, Greater New York Dental Meeting, Private Practice - USA

Optimal Clinical Results Utilizing All Ceramic Restorations Part II



AEEDC Conference Hall - C

11:15 - 12:00

C.E.R.P: 0.75 cr.

San Tzu wrote in his manifest The Art of War wrote that every battle is won before it is fought. Visualizing the final outcome prior to initiating treatment leads to greater treatment acceptance, compliance and superior long-term outcomes. Utilizing predictable diagnostic techniques and aids, clinicians can offer their patients the best results – techniques that offer patients confidence with the final product when considering elective procedures.

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- Review diagnostic aids that are both instructive and functional
- Review the choices of restorative materials available
- Review treatment options for various esthetic challenges
- Outline treatment sequencing and techniques



Mohamed Jamal

DDS, CAGS, MSc, DScD, FRCD (C), Assistant Professor,
Program Director – Endodontics, Mohammed Bin Rashid University - UAE

Thinking Digital: How to use Science and Advanced Digital Techniques to Manage Complex Endodontic Cases



AEEDC Conference Hall - C

14:00 - 14:45

C.E.R.P: 0.75 cr.

Missed or complex root canal anatomy, separated instrument, pulp canal obliteration, proximity to neurovascular bundle are examples of factors that can complicate routine non-surgical or surgical endodontic procedures. With the recent advances in diagnostic and digital assisted tools (such as CBCT, micro-CT, Nano CT, 3D rendering, and printing), clinicians now have the opportunity to manage these complications predictably. But before utilizing these tools, clinicians should develop a basic understanding of the science behind them. This lecture will review these advanced techniques. Furthermore, the author will share recent data on these techniques from his research group.

Learning objectives:

- Explain the importance of finding all canal anatomy in the success of non-surgical root canal treatment.
- Discuss the causes of difficulties in identifying and locating atypical canal locations
- Compare the different advanced techniques developed to assess canal morphology and anatomical structures at the site of surgical procedures
- Discuss the use of the data generated through CBCT and intra-oral scanner to design endodontic stent.
- Discuss the concept guided endodontics



Shahid Mahmood

BDS, MDS, Professor, Operative Dentistry
Prince Sattam Bin Abdulaziz University - KSA

Endo- Perio lesions



AEEDC Conference Hall - C

14:45 - 15:30

C.E.R.P: 0.75 cr.

Interrelationship between endodontic and periodontic lesions is confusing but interesting. A symptomatic tooth can be of periodontic origin, endodontic origin or a combined lesion. Diagnosis and management is a challenge for the general practitioners. This presentation will present the diagnostic features and management strategy with the help of clinical cases.

Bacteria can communicate between endodontic and periodontic lesions by different communication channels including Apical foramen Lateral canals, Accessory canals, Dentinal tubules, Developmental and other defects. This communication can result in mainly five types of lesions; 1° Endo lesion, 1° Endo lesion with 2° Perio involvement, 1° Perio lesion, 1° Perio lesion with 2° Endo involvement and "True" Combined lesions (Khalid, AlFouzan 2014). In the profession, there is a debate on the sequence of management. This lecture covers the diagnosis, differential diagnosis and management of these lesions. (Raja SV, P, Ambalavanan N, Ramakrishnan T, and et al., 2008), Sharanappa K, Nagaveni A, Anil M, Nishant Ajsaonkar, et al., 2014)

Learning objectives:

- Understand the different types of endo perio lesions
- Comprehend the differential diagnosis
- Understand the management



Filippo Cardinali

DDS, Lecturer, Sienna University
Private Practice - Italy

Infection Control in Endodontics and Restorative Dentistry



AEEDC Conference Hall - C

15:30 - 16:15

C.E.R.P: 0.75 cr.

The Infection Control in Endodontics and Restorative Dentistry is really important to get a positive outcome of the therapy. Infection Control in Endodontics, is often associated to the Cleaning during the treatment. Cleaning is an important stage of the Endodontic treatment and it means the removal of bacteria from the root canal system, but it's just one out two components of the Infection Control. The second one is the Asepsis and it's at least as important as the Cleaning. Asepsis means to prevent bacteria contaminate the root canal system and the operator do take care of the Asepsis for the whole treatment. A good Asepsis increases the efficiency of the Cleaning in Endodontics and prevents an early failure due to microleakage in Restorative Dentistry, never forgetting even that prevents transmission of virus as the coronavirus through aerosols formed during medical procedures. Aim of the lecture is to go deep in protocols useful to get a proper Infection Control during Endodontic and Restorative Dentistry (importance of mouth rinse, importance of rubber dam application, importance of activation of irrigating solution during the Cleaning, importance of the coronal seal), protocols focused on a good management of the treatment even in complex cases.

Learning objectives:

- Recognize and comprehend the importance of the Infection Control in Endodontics and Restorative Dentistry to get a positive outcome of the therapy.
- Recognize and comprehend how to control the Asepsis during the therapy.
- Comprehend that the application of the rubber dam is a key factor for the success of the therapy in easy and complex cases.
- Comprehend the impact of a deep Cleaning in endodontic treatments
- Comprehend that the Coronal seal is a key factor to get a long term follow-up of the treatment



Edmond Koyess

DDS, MSc, PhD, Director of Postgraduate in Endodontics
 Instructor, Department of Endodontics, Faculty of Dental Medicine
 Chairman, Department of Endodontics, Lebanese University, Lebanon

Clinical Behavior of Heat Treated NiTi Files in Shaping Curved and Narrow Canals?



AEEDC Conference Hall - C

16:15 - 17:00

C.E.R.P: 0.75 cr.

This lecture is to discuss the new technology in design and manufacturing of NiTi files, in regards of improvement in safety and security, in shaping complex root canal situations. After a short classification of NiTi files according to manufacturing process, we will interpret the results of a number of research papers and help understand the advantages of state-of-the-art NiTi files. The author will describe the dynamics and technique to shape safely curved and calcified canals, using continuous rotating and reciprocating files.

Learning objectives:

- Recognize the difficulties of shaping the root canal, and the risks of deformation or perforation due to curvatures and degree of calcification.
- Classify NiTi files, and identify the physical properties of advanced technology and manufacturing, to match the needs of security and safety while shaping canals.
- Describe the advantages of kinematics, reciprocating and continuous rotation of NiTi files.
- Discuss the security and safety of glide path preparation prior to using the shaping files.
- Explain the design and clinical use of two types of files, WaveOne Gold and ProTaper Gold

"This session has been made possibly by Dentsply Sirona"



Eve Cuny

Executive Associate Dean

University of the Pacific Arthur A. Dugoni School of Dentistry - USA

Emerging Infectious Diseases



AEEDC Conference Hall - D

09:00 - 09:45

C.E.R.P: 0.75 cr.

Disease outbreaks among humans have occurred throughout recorded history. This course will provide a historical perspective of emerging and reemerging infectious diseases. Discussion will include the mechanism at play when seasonal influenza becomes pandemic influenza, how new infectious diseases emerge, and why some diseases reemerge after years of latency. More detailed information will be provided on the SARS coronavirus 2019 pandemic.

Learning objectives:

- Describe the difference between an emerging and re-emerging disease.
- Identify the difference between pandemic and epidemic.
- Define the importance of historical perspective in emerging disease prevention and control
- Compare antigenic shift and antigenic drift as they relate to seasonal and pandemic influenza
- Discuss the methods to prevent the spread of the COVID-19 virus



Kathy Eklund

Director of Occupational Health & Safety
The Forsyth Institute - USA

Environmental Infection Prevention and Control



AEEDC Conference Hall - D

09:45 - 10:30

C.E.R.P: 0.75 cr.

Aseptic management of patient care areas, as well as waiting areas, requires a programmatic approach. Policies and standard operating procedures (SOPs) facilitate consistent work practices by personnel to ensure patient and personnel safety. These policies and procedures should be consistent with the principles and healthcare guidance for environmental infection control. In patient care areas, clinical contact surfaces are those surface and fixed equipment that become contaminated through contact with contaminated items, spatter and touch by contaminated gloved hands. These surfaces need to be aseptically managed between each patient. Smooth clinical contact surfaces can be cleaned and disinfected. Clinical contact surfaces and fixed equipment that have irregular surfaces, switches, knobs, etc. should be covered with fluid resistant barriers that are changed between each patient. Identifying the clinical contact surfaces and determining the specific process for aseptic management is an important step in developing site-specific policies and procedures for aseptic management. Determining the dental waste segregation is also an important element of environmental infection control. Identifying what is biomedical waste and what is household waste, depends upon several factors including local biomedical waste regulations, site-specific waste segregation SOPs, and personnel safety in handling and disposing of waste.

Learning objectives:

- Differentiate clinical contact surfaces from housekeeping surfaces
- Identify methods to reduce environmental contamination during patient care
- Describe how to handle biomedical waste during and after patient care
- Select the appropriate PPE for performing environmental infection prevention and control tasks
- Identify which clinical contact surfaces should be covered with surface barriers and which should be cleaned and disinfected



Eve Cuny

Executive Associate Dean
University of the Pacific Arthur A. Dugoni School of Dentistry - USA

Standard and Transmission Based Precautions



AEEDC Conference Hall - D

10:30 - 11:15

C.E.R.P: 0.75 cr.

This lecture will provide a detailed overview of infection prevention and control precautions in dentistry. Topics discussed will include standard precautions, including hand hygiene and cough etiquette, PPE, sterilization, disinfection, sharps injury prevention, and safe injection practices. The COVID-19 pandemic has highlighted the need to advance to the next tier of precautions, transmission-based precautions, in the face of a widespread droplet or airborne transmissible disease.

The presenter will discuss the application of elements of transmission-based precautions when needed in an outpatient dental setting.

Learning objectives:

- Describe the difference between standard and transmission-based precautions
- Determine which infection prevention precautions are appropriate to their setting and patients
- Discuss the specific elements of standard precautions as they apply to dental settings.
- Select the appropriate respiratory protection for any given dental procedure
- Evaluate appropriate dental safety devices



Kathy Eklund

Director of Occupational Health & Safety
The Forsyth Institute - USA

Instrument Processing and Sterility Assurance



AEEDC Conference Hall - D

11:15 - 12:00

C.E.R.P: 0.75 cr.

Many aspects of infection prevention & control have been modified during the COVID-19 pandemic. There is currently no specific COVID-19 interim guidance for instrument processing and sterility assurance. However, there are considerations for the management of central sterilization and personnel working in the area. This presentation will review the basics of sterility assurance for safe patient care and personnel management considerations to ensure safe work practices.

Learning objectives:

- Describe the elements of a sterility assurance program
- Identify strategies to ensure the safety of personnel performing instrument processing
- Identify 3 methods of monitoring sterilization
- Differentiate cleaning, disinfection and sterilization
- Describe two methods of heat-based sterilization



Constantine Pavlakos

DDS, Periodontist, Faculty of NYU Langone Brooklyn,
Committee Member, GNYDM - USA

Periodontal Surgical Procedures to Enhance Restorative Treatment: Aesthetic Crown Lengthening



AEEDC Conference Hall - D

14:00 - 14:45

C.E.R.P: 0.75 cr.

Aesthetic dentistry is a major driving force in our current environment. Individuals are enamored by the aesthetics of popular social figure and wish to emulate them in their appearance, including their smiles and teeth. The gingival unit is an important component in creating aesthetic harmony. Achieving and maintaining optimal aesthetics requires detailed treatment planning and many times a multi-disciplinary approach. This lecture will provide attendees with an understanding of aesthetic evaluation in relation to restorative treatment. The course will focus on how periodontal surgical procedures such as aesthetic crown lengthening can enhance aesthetic restoration.

The presentation is clinically based with detailed instructions as to how to evaluate and complete these procedures. This will give attendees the information they need to achieve the most favorable outcomes.

Learning objectives:

- Understand the concepts of gingival harmony and the ability to visualize discrepancies
- Be able to diagnose, treatment plan, and execute aesthetic basic periodontal surgical procedures
- Learn to identify fundamental restorative and surgical principles
- Recognize potential pitfalls by not addressing the periodontium prior to restorative treatment
- Gain the ability to discuss treatment options and expected results with the patient



Denis Bourgeois

DDS, MSc (Periodontology), PhD (Public Health)
Professor, Faculty of Dentistry, Lyon University - France

Of the use of Periodontal Mouthwashes to Impact the Salivary Viral Load of COVID-19: What do we really know?



AEEDC Conference Hall - D

14:45 - 15:30

C.E.R.P: 0.75 cr.

The use of mouthwashes indicated in periodontology, because of the presence of active components against viruses, could constitute an “adjuvant” treatment in the fight against SARS-CoV-2, favoring possible improvements for the individual or collective protection of caregivers and populations which can, according to the results, lead to sufficient actions to be employable during the current pandemic. But what is it really about?

The modes of person-to-person transmission of SARS-CoV-2 are direct transmission, such as sneezing, coughing, transmission through inhalation of small droplets, and contact transmission, such as contact with nasal, oral and eye mucous membranes. SARS-CoV-2 can also be transmitted directly or indirectly through saliva. Given the current lack of effective treatment, there is a need to explore alternative methods to contain the spread of infection. Mouthwashes are cosmetic products available on the market. These oral health products have well tested clinical profiles for the care of periodontal diseases in a context where many guidelines issued by professional organizations recommend the use of some active components of these mouthwashes in dental practice to prevent Covid contamination.

Learning objectives:

- Identify the active ingredients of periodontal mouthwashes that could impact or not the salivary load of SARS2
- Understand the relationship between salivary and nasopharyngeal load of SARS2
- Know the level of evidence that may justify the use of mouthwash in virology.
- Appreciate clinical procedures to reduce the risk of contamination in the dental office
- Contribute to reducing individual and community transmission Presentation Slides:

“This session has been made possibly by Curadent Symposium”



Marcelo Favari

DDS, PhD, Associate Professor,
Guarulhos University - Brazil

Treatment of Peri-implant Soft Tissue Dehiscences at Single Implant Sites in the Esthetic Zone



AEEDC Conference Hall - D

15:30 - 16:15

C.E.R.P: 0.75 cr.

The success in implant therapy, should not be solely dependent on its long-term survival, but also on its functional, esthetic, hard- and soft-tissue stability. An apical shift of the peri-implant facial soft tissue margin has been defined with many terms throughout the literature, including mid-facial recession or mucosal recession. Many techniques, such as the coronally advanced flap, the VISTA technique, guided bone regeneration procedures, have been proposed for treating this condition. Therefore, the aim of this webinar will be discussing how to management soft and hard tissue of dental implants installed in the aesthetic zone.

Learning objectives:

- Identify and diagnose peri-implant recessions
- Classify tissue deficiencies around implants in the aesthetic area
- Perform an appropriate surgical and prosthetic planning for the correction of marginal recesses around implants
- Decide what is the best type of gingival graft for these aesthetic corrections
- identify predictors of surgical success for better planning

"This session has been made possibly by Bioinnovation"



Fabio Mizutani

DDS, MsD, PhD, Implantologist,
Professor, Faculty of Dentistry, University of Sao Paulo - Brazil

Upgrading Results with Resorbable Versus Non Resorbable Membranes in Guided Bone Regeneration: When and Why



AEEDC Conference Hall - D

16:15 - 17:00

C.E.R.P: 0.75 cr.

The purpose of this presentation is to discuss and indicate precisely the use of absorbable and non-absorbable membranes in bone reconstruction surgeries in implant dentistry. Through clinical cases and their literary bases, we will address the advantages and disadvantages of collagen membranes compared to titanium meshes and PTFE membranes, pointing when, why and how to use them. Literary data and clinical results pointed to a very close outcomes, within good indications and correct use.

Learning objectives:

- At the end of this activity, participants will be able to match their previous knowledge to the technique presented, identifying specific topics of this procedure, and comparing the results to their clinical experience. Both membranes have advantages and disadvantages. The correct indication of the membrane and their association to the best graft, will allow doctors to manage and control the volume with predictable outcomes in augmentation surgeries. Applying these techniques on their daily practice, better outcomes will be found.

"This session has been made possibly by Bioinnovation"

Abstracts

DAY TWO

30 June 2021



Amey G Patil

BDS, MSD, FACD, Cosmetic Dentist, Orofacial Pain Specialist, Clinical Instructor, Faculty,
Dept of Restorative Dentistry – Rutgers School of Dental Medicine, USA

Orofacial Pain Part 1



AEEDC Conference Hall - A

09:00 - 09:45

C.E.R.P: 0.75 cr.

This lecture is specifically designed for dental professionals to gain knowledge about odontogenic pain. We will discuss the diagnosis of odontogenic pain by basics of a quick clinical examination, when to use or not to use restorative/endodontic tools in the treatment of odontogenic pain, as well as other treatment modalities. This lecture will also uncover the insights of interdisciplinary treatment planning in dentistry by principle of primum non nocere (first, do no harm).

Learning objectives:

- This program focuses on the evidence-based diagnosis of odontogenic pain conditions
- Infer knowledge on pulpal and periapical diagnosis
- Evaluate objective clinical testing methods for odontogenic pain
- Construct an accurate diagnosis of odontogenic pain and treatment planning
- Perceive information about when to treat and not to treat in dentistry



Dalia El Bokle

BDS, MSc, PhD

Consultant of Orthodontics, Private Practice

How “Going Digital” can be a Game Changer in your Orthodontic Practice



AEEDC Conference Hall - A

09:45 - 10:45

C.E.R.P: 1 cr.

Advantages of using an intra-oral scanner over regular alginate impressions include patient comfort, speed, less risk of contamination, less sensitive model handling & storage issues.

True color Intraoral scanners allow for improved communication with patients for better patient education and improved rapport/cooperation. They can be a strong marketing tool for the modern orthodontic office. They also enhance communication between interdisciplinary team members including the restorative dentist, prosthodontist and oral surgeon as well as orthodontic labs, thus improving treatment outcomes, patient engagement and case starts.

Learning objectives:

- Advantages of using an intra-oral scanner over regular alginate impression
- How to use intraoral scans for patient education, orthodontic diagnosis and treatment planning
- How to improve orthodontic treatment outcome and increase case starts.
- How to use intraoral scans for better communication with other team members
- How to use an intraoral scanner as a strong marketing tool

“This session has been made possibly by MEDIT”



Ahmed Abd El Fattah El Zohairy

PhD, Professor Department of Conservative Dentistry, Cairo University

Conservative Esthetic Solutions



AEEDC Conference Hall - A

10:45 - 11:30

C.E.R.P: 0.75 cr.

The clinical success of posterior composite resin restorations depends greatly on attention to detail in each of the steps required to prepare, applied, cure and finish the restoration. The key factors in direct placement composite resin restorations in the posterior, including isolation, matrix systems, light-curing, and placement methods. Successful implementation of these key elements is essential for survivability of posterior composite restorations.

Learning objectives:

- To recall the criteria of new self-adhesive posterior composite restoration
- To distinguish between surface treatment and repair properties of different CAD/CAM restorative blocks
- To identify a novel Immediate dentine sealing techniques that can be used prior to indirect esthetic restoration
- To Identify the benefit of using composite fiber bonded bridges for missing anterior teeth
- To master the clinical technique use to build composite fiber bonded bridge
- To master the clinical application of different direct composite restorations, including the new bulk fill techniques
- To Identify the clinical outcome and limitations of the new one shade universal composites

"This session has been made possibly by Dentsply Sirona"



Kopikrishna Thinrunelakandan

DMD (Hun), PGCert (Lon)

Dental Surgeon, Global Education Manager Clinical Lecturer, Private Practice, Liechtenstein

The Clinical Importance of Light Polymerisation



AEEDC Conference Hall - A

11:30 - 12:15

C.E.R.P: 0.75 cr.

As with anything in the world, dental technology and science has evolved over the decades in modern practice. Composites have improved vastly in terms of properties and aesthetics. Ceramics have done the same. Adhesives have become increasingly popular in recent times as they have become more reliable with the upgrade in science. However, despite the improvements of light curing devices, the final light polymerisation stage of the adhesive treatment protocol is often neglected. This, unfortunately, leads to a compromise on the long-term success of a restoration despite all the hard work of a clinician and technician involved.

Learning objectives:

- Brief history and scientific background of light-polymerization
- Common misconceptions with light polymerization
- Clinical consequences of the common mistakes
- Requirements for successful light polymerization
- Polymerizing correctly and sufficiently

"This session has been made possibly by Ivoclar Vivadent"



Angelo Cardarelli

DDS, Specialist in Oral Surgery
Adjunct Professor, Università Vita-Salute San Raffaele Milano, Italy

Atrophic Jaws Rehabilitation using a Reduced Number of Implants: Immediate Function and Immediate Aesthetics



AEEDC Conference Hall - A

14:00 - 14:45

C.E.R.P: 0.75 cr.

The purpose of this lecture is to present an alternative technique to normal sinus lift in the Upper jaw and bone graft in the mandible with minimal invasive approach to reduce biological costs, without bone regeneration with immediate loading, immediate aesthetic and immediate function.

Learning objectives:

- Improve the anatomical knowledge
- Improve the surgical implant procedure
- Improve the tilted implants approach
- Increase the skills about immediate loading
- Improve the atrophic jaws rehabilitation procedure

"This session has been made possibly by AB"



Randa Zein

BDS, MSc, PhD

Lecturer, Cardiff University/Genoa University, Lebanon

Laser Assisted Oral Soft Tissue Management



AEEDC Conference Hall - A

14:45 - 15:30

C.E.R.P: 0.75 cr.

Laser therapy has been suggested as a potential tool to improve the outcome of surgical and non-surgical oral soft tissue treatment. Different laser wavelengths have various applications in dental treatment. The key to the success of soft tissue lasers is their ability to cut and coagulate the soft tissue at the same time. The aim of this review is to derive the wavelength-dependent differences in photo-thermal ablation and coagulation efficiencies for oral soft tissue dental Near-IR Diode, Mid-IR Erbium and IR CO₂ lasers.

Learning objectives:

- The different types of wavelengths and how to choose our parameters in various oral soft tissues applications
- Laser application in the esthetic zone.
- Laser assisted implantology
- The potential benefits of using different types of lasers for the treatment of oral soft tissue
- The advantage of using laser over the traditional treatment
- Clinical cases presentation



Angelo Cardarelli

DDS, Specialist in Oral Surgery
Adjunct Professor, Università Vita-Salute San Raffaele Milano, Italy

The Use of Piezosurgery Approach in Extraction Surgery



AEEDC Conference Hall - A

15:30 - 16:15

C.E.R.P: 0.75 cr.

In the latest years, Oral surgery has strongly suffered of the technological innovations introduced in this field. In particular, the use of ultrasound applied to surgery has changed some of the most frequent clinical procedures, such as the extraction of third molars included, thus spreading an innovative concept in all dentistry: piezoelectric surgery or piezosurgery.

Learning objectives:

- Improve the anatomical knowledge
- Improve the Surgical extraction technique
- Improve the piezosurgery approach
- Increase the skills about the extractions
- Improve the sutures technique

"This session has been made possibly by Mectron"



Amey G Patil

BDS, MSD, FACD, Cosmetic Dentist, Orofacial Pain Specialist, Clinical Instructor, Faculty, Dept of Restorative Dentistry, Assistant Professor, Rutgers School of Dental Medicine, USA

Orofacial Pain Part II



AEEDC Conference Hall - A

16:15 - 17:00

C.E.R.P: 0.75 cr.

This lecture is specifically designed for dental professionals to gain knowledge about the new specialty of orofacial pain. We will discuss the diagnosis of orofacial pain conditions, especially odontogenic and non-odontogenic origin, by basics of a history taking, quick clinical examinations. Learn about neuropathic, neurovascular and musculoskeletal pain and their management. Understand the diagnosis of different types of headaches, Temporomandibular Joint (TMJ) disorders, and Sleep Apneas, including the psychological aspects of orofacial pain. We will discuss the diagnosis of complex craniomandibular disorder cases by basics of a quick clinical examination. Recognize when to use or not to use restorative tools in treating orofacial pain and other treatment modalities, rehabilitation of bruxism patients with restoring vertical dimension, and other treatment modalities for TMJ disorder patients. Know the fundamentals of TMJ appliances and dental sleep appliances. Identify indications for administering orofacial trigger point injections in your dental practice. With the principle of primum non nocere (first, do no harm), this lecture will also uncover the insights of interdisciplinary treatment planning for orofacial pain conditions.

Learning objectives:

- This program focuses on the evidence-based diagnosis of orofacial pain conditions
- Explain the physiological mechanisms of pain and differentiate acute pain from chronic pain
- Infer knowledge on odontogenic as well as non-odontogenic orofacial pain, especially neuropathic, neurovascular and musculoskeletal pain diagnosis on non-odontogenic orofacial pain, especially neuropathic, neurovascular and musculoskeletal pain diagnosis
- History taking is a magic tool in the diagnosis of orofacial pain and complex cases of craniomandibular disorders
- Discuss the differential diagnosis of different types of headaches, TMJ Disorders, and sleep apneas and evaluate their objective clinical testing methods

Saudi Prosthodontic Society Forum



Tariq Abdulrahman Rowaihy

BDS, MSc, Section Head Prosthodontics,
Consultant Prosthodontist and Clinical Instructor,
Ministry of National Guard Health Affairs, KSA



Sami Farsi

DscD
Consultant Prosthodontist
Ministry of Health - Saudi Arabia

Foreseeing the End



AEEDC Conference Hall - C

09:20 - 10:00

C.E.R.P: 0.70 cr.

Now a days the demand for esthetic treatment is increasing, in addition to health and function patients are more concerned about the esthetic outcome which results in increased pressure on the treating dentist. This should not distract us from the basic treatment planning steps that we learned to follow. Different treatment modality should be considered for treating esthetically demanding cases.

Learning objectives:

- Analyze different ways of thinking how to approach dental esthetic cases.
- Develop a checklist as a tool for treating esthetic cases.
- Importance of utilizing different dental specialties in improving the treatment outcome.

"This session has been made possibly by Saudi Prosthodontic Society"



Mohammed Bahanshal

BDS, MSc, FACP

Consultant Prosthodontist, King Abdulaziz Medical City National Guard Hospital, KSA

The Power of Smile Design (Holistic Dentistry)



AEEDC Conference Hall - C

10:00 - 10:45

C.E.R.P: 0.75 cr.

This lecture emphasizes on the significance of Esthetic Dental Photography in relations to the shade selection and consideration in the dental field. Offering the knowledge of methods to capture the most accurate shades and textures of the natural and synthetic teeth and oral cavity and communicating it with the lab technicians.

Learning objectives:

- Knowledge of Photographic equipment and technique
- Camera setting for intraoral photographs
- Viewing cases through photography from clinical and laboratory prospective.

"This session has been made possibly by Saudi Prosthodontic Society"



Hanaa Ashkar

BDS, CAGS, DSc

Consultant Prosthodontist, Saudi National Gaurd, Health Affairs, KSA

Psychological Approach to Patient Coming for Esthetic Treatment



AEEDC Conference Hall - C

10:45 - 11:15

C.E.R.P: 0.5 cr.

Aesthetic dental treatment is based on a wide range of treatment modalities starting with simple bleaching and composite fillings up to more complex procedures. These variable treatment options make it difficult for patients to choose, especially with the current globalization and increased awareness of body image. That's why it is important for the dental practitioner to be able to understand patients' needs and how their smile can affect their confidence and quality of life. Certain psychological conditions may affect the success of aesthetic dental treatment and in turn may affect patient's self-image. To overcome these obstacles, the dentist must be able to identify the conditions that may affect the results negatively. Patient sometimes can be an enemy of himself, so it is the dentist's job to be his advocate.

Learning objectives:

- Identify some of the psychological conditions that might affect the patient satisfaction.
- Develop proper screening methods for aesthetic cases.
- Develop a protocol to help patient choose the proper treatment option.

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Adnan A. Ishaq

BDS, CAGS, MME, DScD,
Consultant Prosthodontist, MNGHA, Jeddah - KSA

Ethical and Profitable Esthetic Dentistry Tailored to Your Daily Practice



AEEDC Conference Hall - C

11:15 - 12:00

C.E.R.P: 0.75 cr.

The increased demand for attractive teeth and the introduction of new technologies and materials for dental esthetics have pushed dental specialists and many general dentists to attempt restoring comprehensive clinical cases with esthetics in mind. Many of these attempts ended up with results that were not satisfactory for the practitioners nor the patients. Additionally, in this fierce competition among clinicians to provide esthetic dentistry, the quality was compromised in several incidences. This lecture will provide an easy-to-follow guideline on ethical standards, profitable practice, and innovative treatment planning.

Learning objectives:

- Analyze different ways of thinking approaching dental esthetic cases
- Develop a checklist as a tool for esthetic case selection
- Identify the proper esthetic cases for private practice

"This session has been made possibly by Saudi Prosthodontic Society"



Jaafar Bajaefer

BDS, MSC, Board Certified in Prosthodontics
Prosthodontics Consultant, Private Practice, KSA

Esthetic Dental Photography and Shade Consideration



AEEDC Conference Hall - C

14:00 - 14:30

C.E.R.P: 0.50 cr.

This lecture emphasizes on the significance of Esthetic Dental Photography in relations to the shade selection and consideration in the dental field. Offering the knowledge of methods to capture the most accurate shades and textures of the natural and synthetic teeth and oral cavity and communicating it with the lab technicians.

Learning objectives:

- Knowledge of Photographic equipment and technique.
- Camera setting for intraoral photographs
- Viewing cases through photography from clinical and laboratory prospective.



Shatha Al-Shali

DScD, BDS, CAGS
Assistant Professor
King Abdulaziz University, KSA



Sami Farsi

DscD
Consultant Prosthodontist
Ministry of Health - Saudi Arabia

Ceramic Laminate Veneers: Mock-up, Preparation, and Temporization



AEEDC Conference Hall - C

14:30 - 15:15

C.E.R.P: 0.75 cr.

It might take up to several months to work on a full mouth rehabilitation case. Regardless of the effort we put during preparation, provisionalization and final impression, failures could occur if meticulous attention is not given to all the details during the cementation. Bonding the ceramic veneers to the tooth structure starts after checking the margins and fitting of the veneers and trying in the veneers with the try-in paste. The selection of the resin cement has to be done at the try-in stage. After that, acid etching of both the veneers fitting surface and the tooth structure, the sequence and the cleaning after cementation will be explained step by step.

Learning objectives:

- Identify the steps of the try-in of the ceramic veneers
- Select the proper resin cement
- List the steps of etching and preparation of the fitting surface of the veneers
- Explain the treatment of the tooth structure before applying the resin cement
- Explain the removal of excess cement and maintenance

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Mohammed Bahanshal

BDS, MSc, FACP

Consultant Prosthodontist, King Abdulaziz Medical City National Guard Hospital, KSA

The Power of Smile Design (Holistic Dentistry) How to Perform Smile Design Using Keynote or Power Point Software (Live Demo)



AEEDC Conference Hall - C

15:15 - 15:45

C.E.R.P: 0.50 cr.

This lecture emphasizes on the significance of Esthetic Dental Photography in relations to the shade selection and consideration in the dental field. Offering the knowledge of methods to capture the most accurate shades and textures of the natural and synthetic teeth and oral cavity and communicating it with the lab technicians.

Learning objectives:

- Knowledge of Photographic equipment and technique
- Camera setting for intraoral photographs
- Viewing cases through photography from clinical and laboratory prospective

"This session has been made possibly by Saudi Prosthodontic Society"



Jaafar Bajaefer

BDS, MSC, Board Certified in Prosthodontics
Prosthodontics Consultant, Private Practice, KSA

Esthetic Dental Photography and Shade Consideration | No-Preparation Veneers and Impression Consideration



AEEDC Conference Hall - C

15:45 - 16:15

C.E.R.P: 0.50 cr.

This lecture emphasizes on the significance of Esthetic Dental Photography in relations to the shade selection and consideration in the dental field. Offering the knowledge of methods to capture the most accurate shades and textures of the natural and synthetic teeth and oral cavity and communicating it with the lab technicians.

Learning objectives:

- Knowledge of Photographic equipment and technique
- Camera setting for intraoral photographs
- Viewing cases through photography from clinical and laboratory prospective

"This session has been made possibly by Saudi Prosthodontic Society"



Adnan A. Ishaq

BDS, CAGS, MME, DScD,
Consultant Prosthodontist, MNGHA, Jeddah - KSA

Lithium Disilicate v Zirconia Dioxide: Dawn of Ceramic Justice



AEEDC Conference Hall - C

16:15 - 16:45

C.E.R.P: 0.50 cr.

New technologies and materials for the restoration of oral function and esthetics are continuously being introduced to modern dentistry. Dental researchers and manufacturers have been involved in an on-going race to develop a durable, more esthetic replacement for the successful metal-ceramic restoration. Many attempts have been made in recent years to offer a strong, highly esthetic all-ceramic restoration. Currently, zirconia and lithium disilicate are among the most popular materials available for this purpose. The market is replete with advertisements for both zirconia and lithium disilicate, but which material is better, and under which circumstances? This evidence-based, clinically-oriented presentation will highlight the indications, contraindications, advantages and disadvantages of these two ceramic materials with guidelines for selecting the most desirable ceramic material based on the clinical conditions.

Learning objectives:

- Describe Zirconia materials and its clinical implications
- Describe Lithium disilicate materials and its clinical implications
- Compare Zirconia and Lithium disilicate in terms of strength, translucency, wear, marginal adaptation, biocompatibility, cementation, and clinical performance
- Establish a guideline to enable dental clinicians and technicians to determine the suitable material for a given treatment

"This session has been made possible by Saudi Prosthodontic Society"



Shatha Al-Shali

DScD, BDS, CAGS

Assistant Professor, King Abdulaziz University, KSA

Ceramic Laminate Veneers: Mock-up, Preparation, and Temporization| Ceramic Laminate Veneers: Cementation and Case Delivery



AEEDC Conference Hall - C

16:45 - 17:15

C.E.R.P: 0.5 cr.

It might take up to several months to work on a full mouth rehabilitation case. Regardless of the effort we put during preparation, provisionalization and final impression, failures could occur if meticulous attention is not given to all the details during the cementation. Bonding the ceramic veneers to the tooth structure starts after checking the margins and fitting of the veneers and trying in the veneers with the try-in paste. The selection of the resin cement has to be done at the try-in stage. After that, acid etching of both the veneers fitting surface and the tooth structure, the sequence and the cleaning after cementation will be explained step by step.

Learning objectives:

- Identify the steps of the try-in of the ceramic veneers
- Select the proper resin cement
- List the steps of etching and preparation of the fitting surface of the veneers
- Explain the treatment of the tooth structure before applying the resin cement
- Explain the removal of excess cement and maintenance

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Khalid Motlaq

DDS, MS, ICOI Diplomate, MSc
Faculty Member, King Khalid University, KSA

Ceramic Veneer: Everything You need to Know



AEEDC Conference Hall - D

09:00 - 09:45

C.E.R.P: 0.75 cr.

Ceramic veneers are considered a conservative solution for patients requiring improvement of the shape, color, or position of their anterior teeth. Ceramic veneers have been extensively and successfully used. This presentation and workshop aimed to describe the Digital Smile Design to offer the most reliable technique that allows dentists to design a unique, natural and realistic smile, how to design the wax up based on a digital smile, mock-up technique and the best material, then showing the different technique for veneer preparation. Later, discusses the best material and techniques for ceramic cementation.

Learning objectives:

- Understand the philosophy of esthetic dentistry.
- Design the smile by using Digital Technology.
- Learn teeth preparation for veneers, temporization, and cementation to achieve predictable results.



Said Dhaimy

BDS, MSc, PhD, Professor in the Department of Restorative Dentistry and Endodontics
School of Dentistry Hassan II University of Casablanca, Morocco

Improving the Root-Canal Disinfection: Update on the New Technologies



AEEDC Conference Hall - D

09:45 - 10:30

C.E.R.P: 0.75 cr.

Effective Irrigant delivery and its agitation are now a well-known fundamental necessity to enhance the root-canal disinfection and the debris removal in order to promote a successful endodontic treatment and therefore prevent infection persistence and treatment failure. Our topic presents an overview of the currently available technologies to improve the canal cleanliness and disinfection by potentiating the irrigants effect. We analyzed several mechanical activation systems such as manual agitation techniques using endodontic files, gutta-percha cones or endodontic specific brushes, vibrating systems activated by low-speed hand-pieces, sonic agitation, activation by ultrasonics or Laser and apical negative pressure activation systems. In addition to the above-mentioned systems, further disinfection systems, designed to enhance the destruction of biofilms and the elimination of microorganisms by a specific chemical action, were analyzed and described such as light-activated disinfection, direct Laser action and Ozone. The ultrasonic activation of sodium hypochlorite turns out to be the referential protocol to which other mechanical agitation systems were compared. Furthermore, current trend is directed to the study of some alternative systems, such as nanoparticles, bioactive glass and natural plant extracts, which may promote antibacterial effects but there is not enough evidence yet concerning those techniques. From this overview, it is clear that the use of different irrigation systems provides several advantages to succeed the endodontic treatment, and facilitates the everyday clinical practice.

Learning objectives:

- To present an overview of the currently available technologies potentiating the irrigants effect.
- To analyze several mechanical activation systems
- To present the upgrading of all endo-canal disinfection means
- To bring a complete knowledge on the importance of the activation of the irrigator in the sustainability of the results.
- To establish an effective and efficient disinfection process



Mandar Pimprikar

BDS, PCAD (NYU)
Clinician and Innovator, Private Practice, India

Newer Irrigation Strategies and Irrigants in Endodontics



AEEDC Conference Hall - D

10:30 - 11:15

C.E.R.P: 0.75 cr.

Successful root canal therapy depends on thorough debridement of pulpal tissue, dentin debris, and infective microorganisms. Currently, it is impossible to predictably eradicate intraradicular infection with mechanical instrumentation alone. Therefore, irrigants are required to be used as an important addition in the disinfection process.

Learning objectives:

- Why irrigation is important newer irrigation and disinfection strategy fluid dynamics in endodontic irrigation activation and agitation of irrigating solutions techniques for clinicians to incorporate in day today practice



Prashant Bhasin

BDS, MDS

Professor & Head of Department, Sudha Rustagi College of Dental Sciences, India

Endodontics Decoded



AEEDC Conference Hall - D

11:15 - 12:00

C.E.R.P: 0.75 cr.

The lecture will focus on the different aspects in endodontics , focusing on case selection , how to achieve anesthesia in difficult cases , access and its importance, application of ultrasonics, role of magnification in endodontics , negotiating endodontics challenges like ledge bypass, management of severely curved canals ,removal of guttapercha and apical surgery.

Learning objectives:

- The learning objective will focus on clinical aspects in endodontics from basic to advance level with specific to access design, ultrasonic, magnification, management of endodontic challenges



Marcelo Favari

DDS, PhD

Periodontist, Associate Professor, Guarulhos University, Brazil

Resorbable and Non-resorbable Membranes in Advanced Bone Reconstruction. How to Select Them?



AEEDC Conference Hall - D

14:00 - 14:45

C.E.R.P: 0.75 cr.

Guided bone regeneration (GBR) is an effective alternative for the reconstruction of atrophic ridges. Several treatment modalities have been proposed to regenerate bone where barrier membranes play an important role by isolating soft tissue and allowing bone to grow. Not all membranes biologically behave the same way, as they differ from their origin and structure, with reflections on their mechanical properties and on their clinical performance. In addition, adequate flap management together with immobilization of the barrier membrane and graft are crucial to ensure successful regenerative radiographic and clinical outcomes. Therefore, the aim of this conference will be discussing how to select different membranes to be used in guided bone regeneration.

Learning objectives:

- Identify the importance of barriers / membranes in guided bone regeneration
- Identify the types of barriers/membranes for using in guided bone regeneration, resorbable or non-resorbable
- Perform an appropriate surgical planning for a correct selection of the membrane/barriers
- Identify predictors of surgical success for better planning

"This session has been made possible by Bioinnovation"



Constantine Pavlakos

DDS

Orthodontics & Dentofacial Orthopedics Practitioner, New York University, USA

Periodontal Surgical Procedures to Enhance Restorative Treatment: Gingival Augmentation/Root Coverage



AEEDC Conference Hall - D

14:45 - 15:45

C.E.R.P: 1 cr.

Aesthetic dentistry is a major driving force in our current environment. Individuals are enamored by the aesthetics of popular social figure and wish to emulate them in their appearance, including their smiles and teeth. The gingival unit is an important component in creating aesthetic harmony. Achieving and maintaining optimal aesthetics requires detailed treatment planning and many times a multi-disciplinary approach.

This lecture will provide attendees with an understanding of aesthetic evaluation in relation to restorative treatment. The course will focus on how periodontal surgical procedures such as subepithelial connective tissue grafts and gingival augmentation with allograft can enhance aesthetic restoration.

The presentation is clinically based with detailed instructions as to how to evaluate and complete these procedures. This will give attendees the information they need to achieve the most favorable outcomes.

Learning objectives:

- Understand the concepts of gingival harmony and the ability to visualize discrepancies
- Be able to diagnose, treatment plan, and execute aesthetic basic periodontal surgical procedures
- Learn to identify fundamental restorative and surgical principles
- Recognize potential pitfalls by not addressing the periodontium prior to restorative treatment
- Gain the ability to discuss treatment options and expected results with the patient



Fabio Mizutani

PhD, MSc, Professor
Faculty of Dentistry of the University of São Paulo, Brazil

Preparing the Graft Material for the Highest Performance in Reconstructive Surgery: From Pure use to 3d Customization



AEEDC Conference Hall - D

15:45 - 16:30

C.E.R.P: 0.75 cr.

The selection of the grafting material is one of the crucial points in the success of bone augmentation therapy. The indication of the best material for the bone site depends on factors such as morphology and regenerative potential. The preparation of the graft for its highest performance starts from the choice of material, going through increments with growth factors, mixing with autogenous bone, reaching customized preparations with 3D technology. The purpose of this presentation is to present, through clinical cases and scientific basis, the current possibilities in the selection and customization of the best graft for the bone defect.

Learning objectives:

- At the end of this activity, participants will be able to match their previous knowledge to the technique presented, identifying specific topics of this procedure, and comparing the results to their clinical experience. The correct and indication of the bone graft and their association to morphogenic proteins, iPRF and autologous bone, will allow doctors to manage and control the volume with predictable outcomes in augmentation surgeries. The use of the 3D graft preparations can turn faster and predictable as well. Applying these techniques on their daily practice, better outcomes will be found.

"This session has been made possibly by Bioinnovation"



Mohamad Kolielat

DDS, Doctorate in Odontological Science (DOS) - France
 Consultant Periodontist, Oral and Maxillofacial Surgeon, Rashid Hospital, Trauma Center, UAE

Error in Treatment Planning Management in Daily Practice Focused to Surgical Dentistry



AEEDC Conference Hall - D

16:30 - 17:15

C.E.R.P: 0.75 cr.

Positive diagnosis is a must to proper treatment planning. Determination of the Prognosis will follow to predicate the duration, the outcome and the Risk of the disease. The Prognosis is based on the specific information about the clinical case. It is based also on the manner in which it can be approached, and on the experience of the health care provider outcomes in matter of Successes and Failures. Prognosis can be divided into overall and individual tooth Prognosis.

Many factors to consider when determining a Prognosis:

Age, Patient compliance to oral hygiene, Medical and systemic disease or condition, Smoking and stress, Dentition and Occlusion, Periodontal disease and severity, Tooth specific anatomy, Tooth topography, Prosthetic and restorative Factors and possibilities.

The treatment plan is the blue print for the case Management. The treatment plan will be explained to the patient. Predictability, Short and long term Survival, Success and Failure are keywords discussed between patients and involved dental specialists.

Different clinical scenarios will be presented to discuss the Error in treatment plan due to wrong assessment of the Prognosis like: Ectopic teeth Impaction extraction versus orthodontic surgical forced eruption, Impaction teeth extraction with cyst enucleating versus conservative surgical cyst enucleating, Saving tooth with Crown elongation and restoration versus extraction and implant placement, Missing tooth replacement with implant versus fixed partial denture, bony impacted teeth for surgical extraction versus conservative observation, extraction non restorable tooth with immediate implant placement versus delayed implant placement.

As Implant dentistry became a routine daily practice, we need to consider the risk of implant therapy failure in periodontitis susceptible patients versus proper infection control periodontally compromised patient.

In conclusion, practicing dentistry in ethical and predictable manners is a high challenge. Satisfying dental customer is our main goals. Setting diagnosis, prognosis and suitable treatment plan are the utmost daily clinical practice turn point. In case of doubt, health care specialist provider needs to search for the Evidence base dentistry in literature.

Learning objectives:

- Importance of Positive diagnosis to set a proper treatment plan.
- Determination of the overall or individual tooth Prognosis.
- Gather the factors to establish risk for success or failures.
- Importance of the specialist knowledge, experience and skills in achieving treatments.
- Select predictable and adequate treatment options based on evidence dentistry studies

Abstracts

DAY THREE

1 July 2021



Marwa Mohamed Sabry

BDS, MHA, MSc, PhD,

Lecturer, Pediatric Dentistry & Dental Public Health Dept, Director of Infection Control Committee,
Deputy Director of Quality Committee, Kafr El-Sheikh University (Egypt)

Epigenetics: A Promising Revolution in Dentistry



AEEDC Conference Hall - A

09:00 - 09:45

C.E.R.P: 0.75 cr.

Epigenetics involves genetic control by factors other than an individual's DNA sequence. Epigenetic changes can switch genes on or off and determine which proteins are transcribed. Epigenetics is involved in many normal cellular processes. Consider the fact that our cells all have the same DNA, but our bodies contain many different types of cells: neurons, liver cells, pancreatic cells, inflammatory cells, and others. Cells, tissues, and organs differ because they have certain sets of genes that are "turned on" or expressed, as well as other sets that are "turned off" or inhibited. Epigenetic silencing is one way to turn genes off, and it can contribute to differential expression. Silencing might also explain, in part, why genetic twins are not phenotypically identical. Dental anomalies are the result of complex interactions between genetic, epigenetic, and environmental factors during the long process of dental development. It is believed that various environmental factors that affect epigenetics include diet, drugs, mental stress, physical activity, and addictive substances such as tobacco, nicotine, and alcohol. Epigenetics has an indispensable role in explaining the cause of developmental anomalies, genetic defects, and cancer as well as substance addiction. Aim of the study: To study the possible relationships between different epigenetic mechanisms and oral diseases and how to prevent them and/or reduce its progression by altering environmental and behavioral factors that affect gene activity. Material and methods: The study included manual search based on the screening of the citations of the relevant studies considered investigating some implications of epigenetics for the dental practice. Aside from head and neck cancer research, much epigenetic research in dentistry relates mainly to periodontology and orthodontics. Periodontology: study demonstrated that the immune system and inflammatory responses are highly dependent upon epigenetic mechanisms to function. This has implications for all inflammatory diseases, including periodontitis. Orthodontics: study an epigenetic process that ranged from the macro environment (e.g. joint loading), down to and including specific. Results: Epigenetics promises to become increasingly relevant to dentistry because of the role it plays in gene expression during

development which is subsequently influencing oral disease susceptibility. Thus, if there is a chance to improve an epigenetic profile of a patient and provide a more personalized level of care that can help doze off the body's response to oral health problems that it can be prevented or its impact can be managed or reduced.

Learning objectives:

- Identify the epigenetic molecular mechanisms and their implications in dental practices.
- Discuss the possible relationships between different epigenetic mechanisms and periodontal diseases.
- Distinguish the concept of 'epigenetic orthodontics'
- Illustrate the potential role of epigenetic approaches in the treatment of damaged dental pulp.
- Discuss the various epigenetic pathways that are altered in odontogenic tumors.
- Analyze how to prevent oral diseases or reduce its progression by altering the environment and behaviors that affect gene activity



Samer Abdelrahman

BDS, MFD RCSI, MSc,
Paediatric Dentist, Dubai Health Care City Authority (UAE)

Avulsion- are you Confident About Managing it?



AEEDC Conference Hall - A

09:45 - 10:30

C.E.R.P: 0.75 cr.

Upon deciding the suitable clinical management approach and expected prognosis, such decisions should be governed by group of factors. The basic circumstances that should govern this decision include root maturity, extra-alveolar time and storage medium. Before replantation, the tooth must be clean. Root surface treatment is beneficial and should be always considered. However, there are significant variations between the old and new IADT guidelines that clinicians should be aware of.

Learning objectives:

- Increase clinician confidence regarding the emergency management of dental trauma enable clinicians to select the correct timing for endodontic management of avulsed teeth ensure the clinicians are aware of all types of resorption that may arise after avulsion enable the clinicians to make a decision regarding the controversy of surface treatment agents making clinicians advocate to guide non dental professionals to manage avulsion in emergency situations



Faisal bin Abboud

BDS, MSc, SB-PD, Senior Registrar Pediatric Dentist,
Asir Health Affair – Ministry of Health, KSA

Parental Stress and Its Implications Effects on Their Child Behavior and Oral Status



AEEDC Conference Hall - A

10:30 - 11:15

C.E.R.P: 0.75 cr.

Individuals with children may experience stress due to a number of factors; in fact, parenting itself may be considered a stressful life event. Stress in parents affects their behaviors and has negative effects on their children. Stressed parents are likely to respond negatively to the stress in their child. Within the context of the family stress, parenting stress has been divided into stress of the child, which refers to those qualities in the child that make it difficult and stressful for the parent to fulfill their parental roles in providing child's needs.

Parental behavior is as important as children's anxiety in the way fasting instructions are adhered to in same day surgery situations. It was shown that Mothers who did not comply with fasting requirements perceived the procedure as more threatening, were more anxious and had lower conscientiousness levels. Additionally, mother's anxiety prior to surgery mediated the association between mothers' threat perception and compliance.

Numerous scales and questionnaires have been developed to assess dental fear and anxiety. Despite variations in prevalence rates, other findings related to dental fear and anxiety are mostly in line with each other.

The lecture will also aim to compare the parental anxiety between parents of children who get chair side treatment with or without using nitrous oxide to the parental anxiety felt by parents of children whom get their treatment under general anesthesia.

Learning objectives:

- Be introduced to the concept of parental stress
- Have an overview of the relation between parental stress and children stress
- Know some useful methods to assess anxiety
- Be exposed to different parenting styles and its reflection on their children behavior
- Be familiar with some tactics to deal with anxious parent



Neeta Chandwani

DDS, MScD, Director, Predoctoral Pediatric Dentistry & Associate,
Department of Dentistry, Boston Children's Hospital Assistant Professor,
Harvard School of Dental Medicine, USA

The Boston Children's Hospital Experience in Caring for Children with Special Health Care Needs



AEEDC Conference Hall - A

11:15 - 12:00

C.E.R.P: 0.75 cr.

DAY THREE

The American Academy of Pediatric Dentistry recognizes the importance of providing comprehensive preventive and therapeutic oral health care to individuals with special health care needs. Health care for individuals with special needs requires specialized knowledge, increased awareness and attention, adaptation, and accommodative measures beyond what is considered routine. Many of these individuals are routinely seen in an outpatient setting, thus dentists are obligated to educate themselves on the management of oral health care needs of these patients. The goal of this presentation is to discuss the management of individuals with special health care needs in a dental setting.

Learning objectives:

- Define special health care needs (SCHN)
- Discuss implications of SCHN in children
- Discuss the framework of oral care
- Evaluate barriers to care
- The Boston Children's experience



Zivile Grabliauskiene

DDS, MSc, PhD,
Endodontist, Lithuanian University of Health Science (Lithuania)

Root Apex From Radiology to Biology



AEEDC Conference Hall - A

14:00 - 14:45

C.E.R.P: 0.75 cr.

Knowing, understanding, evaluating the root internal anatomy is important in order to achieve successful endodontic treatment outcomes. The dentist must know how deep the instrument can enter into the canal and until where it should be obturated. Clinically to determine the position of apical constriction and apical foramina it is very difficult. It will be discussed methods for determination of working length, the reliability of the methods. On based evidence from scientific researches will be discussed is it possible to trust periapical x-ray or apex locator for working length determination, what are the accurate methods for WL determination, what are the possible errors of measuring the working length. We will discuss about the factors that can change and distort results during WL measurement. In the course of the lecture, we will explain how the knowledges about root apex and precise working length determination are important for endodontic treatment results. Many of clinical cases will be presented and examined.

Learning objectives:

- Knowing, understanding, and evaluating the root apex is important to achieve successful endodontic treatment results.
- Ideal apical limit for the working length has been recommended as the apical constriction in most of the studies.
- The most accurate method with the smallest display error for determining of working length is electronic apex locator.
- New research indicates that a better outcome rate is achieved when treatment includes obturation short of the radiographic apex.
- Factors that can change and distort WL measurement: organic liquids, metal restorations, open apex, destruction of apical periodontium, the size of apical foramina, size of instrument in time of measurement of WL



John J. Young Jr.

DDS, Member, American Dental Association,
GNYDM Committee Fellow, Private Practise – USA

Regenerative Endodontics



AEEDC Conference Hall - A

14:45 - 15:45

C.E.R.P:1 cr.

DAY THREE

The management of immature permanent teeth with pulpal necrosis is challenging because the root canal system is often difficult to debride, and the thin dentinal walls are at increased risk of subsequent cervical fracture. This can be a restorative problem because implants are generally contraindicated in a young patient with a growing craniofacial skeleton. Regenerative endodontic therapy provides an alternative treatment approach that builds on the principles of regenerative medicine and tissue engineering. The aim of the therapy is to successfully treat these challenging cases by regenerating functional pulpal tissue utilizing protocols referred to as regenerative endodontic procedures.

Learning objectives:

- What is regenerative endodontics?
- What is tissue engineering?
- What is the biological basis for regenerative endodontic procedures?
- What are the steps for regenerative endodontic procedures?
- Are regenerative endodontic procedures effective?



Edward J Miller Jr.

DMD, Diplomate American Board Oral & Maxillofacial Surgery,
GNYDM Committee, USA

Management of Impacted Teeth



AEEDC Conference Hall - A

15:45 - 16:45

C.E.R.P: 1 cr.

The management of impacted teeth is a daily occurrence in all varieties of dental practice. The oral healthcare team has to decide how to assess and treatment plan patients presenting with impacted teeth. Assessment includes the patient interview and history, the clinical exam, the appropriate imaging exams and then a treatment plan. Each patient has unique circumstances and clinical problems. This presentation will allow all members of the oral healthcare team to assess and treat these often-complex patients.

Learning objectives:

- Interview and Examine the patient with impacted teeth.
- Assess difficulty of anticipated treatment.
- Recognize and implement different treatment options.
- Recognize complications and how to generally manage complications
- Assess when to refer to specialist



Ira Titunik

BS, DDS, DABFO Diplomate, American Board of Forensic Odontology,
Lecturer and Adjunct Professor of Forensic Science, Henry C Lee College of Forensic Sciences,
Committee member, GNYDM – USA

Medicolegal Investigation of Death and Assault Victims, Including Pattern Injuries and Bitemarks, Human Identification of the Living and the Dead



AEEDC Conference Hall - A

16:45 - 17:30

C.E.R.P: 0.75 cr.

The attendee will be presented an overview of Forensic Odontology.

The attendee will better understand the importance of forensic medicine and forensic odontology in the local community and respective country. Issues of human identification, ageing and pattern injuries, bitemarks, will be discussed along with the responsibilities of the dental professional.

Learning objectives:

- The attendee will be better able to identify evidence if called upon by local, state or federal investigators.
- The attendee will be better able to evaluate evidence that is presented for an opinion.
- The attendee will be better able to interpret evidence in a specific criminal inquiry.
- The attendee will be better able to explain the interpretation of findings in a specific inquiry.
- The attendee will be better able to formulate an opinion based upon the above noted objectives.

DAY THREE

Dental Education Session - "Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era"



Manal Al-Halabi

BDS, MS, Diplomate, American Board of Pediatric Dentistry
Dean, Hamdan Bin Mohammed College of Dental Medicine, MBRU
Mohammed Bin Rashid University of Medicine and Health Sciences (MBRU), UAE

COVID-19 and Dental Education, Moving Forward



AEEDC Conference Hall - B

09:00 - 09:45

C.E.R.P: 0.75 cr.

The outbreak of Coronavirus disease 2019(COVID-19) necessitated an abrupt transition from on campus, face-to-face teaching and learning to online, distance learning in higher education institutions all over the World including the UAE. Many educators had never delivered sessions in online environment, which required them to acquire an extensive set of skills and adapt their course content and structure to the new delivery method over a short period of time. The impact of the COVID restrictions was exacerbated in dental education, due to the suspension of elective treatments where the associated clinical training constitutes a major part of the learning and teaching. Moreover, many changes and precautions had to be adopted before allowing the students to go back to practicing dentistry in the clinics. Given the urgency of the COVID-19 situation, institutions did not get the space to plan for and adapt the proper, systematic way of transitioning, which usually involves a substantial amount of capacity building. The learners who were accustomed to face-to-face interactions had to rapidly adapt to distance learning and the online environment. The experience of the faculty and learners at MBRU as well as their perceptions of the transition were investigated and will be reflected upon in the presentation. The platforms used by MBRU to deliver the distance learning as well the methods employed to deliver assessments online will be summarized during the presentation. Finally, a reflection of the lessons learnt, and benefits reaped from this transition as well as the steps taken by MBRU to capitalize on the momentum of change will be presented.

Learning objectives:

- To summarize the steps that MBRU took to mitigate the COVID-19 required changes in education.
- To summarize the steps that MBRU took to mitigate changes in clinical service delivery as a result of the pandemic.
- To share the experiences of MBRU engagement with the public and the community service initiatives to help stop the spread of the pandemic.
- To reflect upon the experiences of the learners and faculty after the rapid transition to the distance learning.
- To share the forward steps in education that MBRU took to utilize the opportunities presented by the experience.

"This session is not accredited by MOHAP"

Dental Education Session - “Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era”



Abdulghani Ibrahem Mira

BDS, MSc, CAGS, DSCD,
Professor, Operative Dentistry Division, Conservative Dental Department,
Dean, Faculty of Dentistry, King Abdulaziz University (KSA)

KAUFD Experience during COVID-19 Pandemic - The Challenge



AEEDC Conference Hall - B

09:45 - 10:30

C.E.R.P: 0.75 cr.

DAY THREE

During COVID-19 Pandemic COVID-19, KAUFU assembled emergency teams to evaluate the impact on the delivery of our educational programs and patient dental care. Plans were devised around two main phases: the lock-down phase (I), and the coming back to workplace phase (II).

The main goals of Phase I included:

1. Moving to “Distance Education” and using innovative strategies to reduce disruption to the academic program.
2. Securing the integrity of KAUFU assessment and exams.

For Phase II, we aimed to:

3. Resume clinical practice while applying all protective measures
4. Adapt a “hybrid distance learning” model
5. Restore KAUFU role in community services

Learning objectives:

- Relate to KAUFU/KAUDH aspirations and future views for the post- COVID 19 era.
- Benchmark against KAUFU/KAUDH approach and protocol for risk assessment and crisis management during the pandemic.
- Reflect on KAUFU/KAUDH’s experience in adapting virtual learning
- Reflect on KAUFU/KAUDH’s experience in securing the integrity of its assessment scheme
- Reflect on KAUFU/KAUDH’s experience in maintaining community services and delivery of patient care.

Dental Education Session - "Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era"



Ibrahim Al Shahrani

BDS, MSc, Ortho Cert., PhD,
Professor of Orthodontics, Dean, King Khalid University (KSA)

COVID-19: Successes and Challenges in Online Teaching



AEEDC Conference Hall - B

10:30 - 11:15

C.E.R.P: 0.75 cr.

The COVID-19 pandemic was declared as a Public Health Emergency of International Concern on January 30, 2020 by World Health Organization and as a pandemic on March 11, 2020.

One such key area, where the need for change had become apparent, was education (Ashar, 2020). The consequences of this pandemic and its preventive measures have flipped over the life of students, parents and teachers. In the face of a crippling pandemic, technology has emerged as a major lifesaver. The clear disruption in the 'normal' functioning of education was replaced by 'Online learning' using various online platforms and mobile phone

Online teaching especially during lock down period had both pros and cons. It is a new way of learning which has its own limitations too. The need of the hour is to understand this new way of teaching and learning to get maximum output out of this.

Learning objectives:

- To overcome disruption in conduct of face-to-face teaching
- To integrate students and faculty with the online teaching system
- To achieve the program and course learning outcomes
- To integrate online teaching system in the curriculum
- To prevent spread of infection in classrooms and clinics

Dental Education Session - "Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era"



Hezekiah Mosadomi

BS, DMD, MS, FAAOMP, DABOMP, FWACS, FMCDS
Professor & Consultant, Oral & Maxillofacial Pathology,
Riyadh Elm University (KSA)

Dual Dental & Medical Degree Program for Selected Dental Specialties



AEEDC Conference Hall - B

11:15 - 12:00

C.E.R.P: 0.75 cr.

The frontiers of quality health care, health awareness, health education, disease prevention, health promotion and cost management continue to expand significantly across the world regardless of extremely unequal access to health care in many parts of the world. Specifically related to this "World Health" awareness is the vastly increased recognition of the importance of oral health and health practice formats as integral part of general health care. Innovating a dedicated program (in participating institutions that can afford it) which allows selected dental specialists to acquire a medical degree will add value and quality to expanded services that these specialists can offer to their communities in both private and public dental clinics and hospitals.

Learning objectives:

- Know unambiguously what has been described as a dual degree program in selected dental specialties
- Understand the Training Tracks available to implement the program
- Feel empowered to promote this novel idea where practicable in their institutions (Clinics, Hospitals, Dental and Medical Schools, health Ministries)
- Know that the dual-degree program is not intended to make a dental specialist practice as a physician rather it is to make the dental specialist more proficient in scope and quality when giving his or her services to the community

"This session is not accredited by MOHAP"

DAY THREE

Dental Education Session - "Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era"



Hossam Abdelatty Eid Abdelmagyd

PhD, BDS, MSc, DDS (MSc Med. Education)

Professor & Associate Dean Clinical Affairs, MDS Periodontics Program Director, Dental Internship Program Director, College of Dentistry, Gulf Medical University, Ajman - UAE

Reform of the Assessment System within Dental Curriculum: A Novel Initiative



AEEDC Conference Hall - B

14:00 - 14:45

C.E.R.P: 0.75 cr.

The medical education curriculum has been started as traditional topic-based or Subject centred curriculum type. In the twentieth century, regulating the medical profession highlighting the importance of patient safety which led to the concept of competency-based Student (learner) centred curriculum type which focused on what the graduates can do rather than what they must learn. Problem statement: The current student assessment system within the competency-based curriculum type still 100% summative and doesn't have a weightage for formative process to assess and improve the competency component as an integral part as it should be and to show it has been considered and reflected on student progress. In this presentation will try to discuss a Suggested assessment system model for competency-based curriculum.

Learning objectives:

- Criticize the current assessment system
- Differentiate between exam and competency way of assessment
- Integrate formative assessment in the decision-making process
- Scan the student performance diseases early
- Decide graduation of competent students only

"This session is not accredited by MOHAP"

Dental Education Session - "Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era"



Vivek Padmanabhan

BDS, MDS, PhD,
Assistant Professor, Specialist Pediatric Dentist,
RAK College of Dental Sciences (UAE)

Online, Physical, and Hybrid: Challenges of Dental Education in the Pandemic Era



AEEDC Conference Hall - B

14:45 - 15:30

C.E.R.P: 0.75 cr.

DAY THREE

COVID-19 has been an epic tragedy that has hit the human population not only in terms of health and healthcare, but also quality of life. This includes the quality of dental education within universities as well. Dentistry has become even more challenging during these times because of the fact that Dentistry as a clinical practice even while learning as a student, needs hands on experience and no volume of virtual leaning helps.

Every college or university had its own ways of dealing with the situation and so did RAKCODS. This presentation highlights what are the changes brought about by the college to ensure quality education to be provided to the students and at the same time keeping safety as a priority during these unprecedented times.

However, the pandemic can be seen to also represent motivation to invest in the necessary technological innovation to deliver the best possible education to our future dentists. This presentation will also try and emphasize on the road ahead in terms of the use of technology which can essentially become the future of dentistry.

Learning objectives:

- To discuss the rationale of having a completely physical or online or Hybrid teaching mechanism
- To illustrate the advantages and disadvantages of online systems
- To compare the advantages and disadvantages of each of the systems (Onsite alone or online alone)
- To reiterate on the significance of onsite teaching mechanism
- To discuss the possible future of dentistry



Hamad S AIRumaih

BDS, MSD, FACP, AFAAID

Consultant in Prosthodontics and Implant Dentistry, Assistant Professor in Prosthodontics, Imam Abdulrahman bin Faisal University (University of Dammam), Dammam, Saudi Arabia

Applications of Intraoral Scanners in Prosthodontics



AEEDC Conference Hall - B

15:30 - 16:15

C.E.R.P: 0.75 cr.

This review aimed to identify the reported intraoral scanning (IOS) applications in fabricating different types of removable and fixed prostheses in the prosthodontics field. Material and Methods: In this review, a comprehensive electronic search was performed using the PubMed and MEDLINE databases. This review included in vitro studies and clinical reports published between January 2013 and January 2020. Results: In this review, 33 papers (22 clinical reports, 8 dental techniques, and 3 clinical studies) were included in the final analysis.

Conclusion: The proof of concept regarding the use of IOS in the field of removable & fixed prosthodontics is documented. However, there is a need for more clinical studies to identify IOS-usage protocols, as well as to yield reliable and valid data.

Learning objectives:

- Expand the knowledge of prosthetic dentistry using intraoral scanners.
- Learn how to examine, diagnose and make surgical and prosthetic treatment plans.
- Know how to approach complex situations in a systematic manner.
- Discuss the complications and managements of provided treatments.
- Explain the benefits, risks and outcome of selected treatments

"This session has been made possibly by MEDIT"



Hezekiah Mosadomi

BS, DMD, MS, FAAOMP, DABOMP, FWACS, FMCDS
Professor & Consultant, Oral & Maxillofacial Pathology, Riyadh Elm University (KSA)

Promotion of Dental Diseases Preventive Measures by “Gown” and “Town” Stake Holders



AEEDC Conference Hall - B

16:15 - 17:00

C.E.R.P: 0.75 cr.

Disease preventive measures in general health and certainly in dental health have not always attracted the attention they deserved in the past especially when dire consequences could not be immediately associated with neglecting such preventive measures. The history of the emergence of practically all the vaccines that have been in use throughout the world in the last century confirm that it was usually when communities or countries faced existential threat to their adult or pediatric populations that they are compelled to frantically seek preventive or therapeutic measures. HIV/AIDS is a good example. Dental diseases normally do not fall into this category.

Within the last two decades or so, higher institution-based researchers (the Gown) and industry-based/other researchers (the Town) have been literally forced to co-operate in specified translational researches that are more goals-specific and focused. This was due in part to operational costs and enhanced community benefits consciousness. The spirit of cooperation in translational research has been so much higher than similar research cooperation in the past even when the intentions were the same. Identifiable areas requiring greater co-operation between Town and Gown are expanded varnish application, selective community screening for oral pre-cancer and cancer, early oral detection of significant systemic diseases, tobacco use cessation and continued search for dental caries vaccine.

The current world-wide efforts to produce safe and effective anti Covid 19 vaccines point to how quick, palpable and measurable results could be achieved when researchers in apparently different research environmental settings decide to cooperate meaningfully without making financial reward the primary leitmotif for the cooperative research.

DAY THREE

Learning objectives:

- Know who the “Town and Gown” stake holders are in respect of Oral Diseases Prevention measures
- Understand why “Town and Gown” stake holders need to cooperate meaningfully to achieve community, regional, national and trans-national positive results I dental diseases preventive measures
- Promote achievable discussion and cooperation between Town and Gown on specific and focused dental diseases preventive measures
- Know how to utilize the existing WHO and other Agencies remarkable collated data in moving forward more aggressively cooperation between Town and Gown on debilitating oral diseases that are not normally fatal such as Caries, severe periodontal diseases, edentulism, oral precancer and cancer
- Be able to initiate sustainable easy-to-achieve preventive dental diseases measure in both PRIVATE and PUBLIC dental clinics and encourage yearly visit to the dentist
- Should incentivize members of their clinical dental team to recognize and practice “preventive measures” during routine dental clinical examination and therapy



Laila Bahammam

BDS (Hon), MSc, Cert Endo, MsMed, Post doc
Professor and Consultant of Endodontics, King Abdulaziz University, Faculty of Dentistry, KSA

The Journey of a Patent From Idea to Grant



AEEDC Conference Hall - C

09:00 - 10:00

C.E.R.P: 1 cr.

DAY THREE

What is Patent? How long does patent protection last? When to use from The Fishbone Method or the TRIZ while learning the Stages of Creative Thinking.

Learning objectives:

- How to come up with a good research problem.
- Methods used to produce innovative ideas to solve the research problem.
- Where to search for prior art.
- Criteria for the patentable idea.
- How to write your idea and fill a patent application.
- Where to file your idea.
- Steps of filing to have a granted patent.
- What is intellectual property, its domain, and the difference between them.

"This session has been made possibly by International Association of Dental Research - IADR"



Murad Alrashdi

BDS, MSc, MAS

Pediatric Dentist, Assistant Professor, Qassim University, KSA

Fundamentals of Designing a Clinical Trial



AEEDC Conference Hall - C

10:00 - 11:00

C.E.R.P: 1 cr.

Most errors in clinical trials are a result of inadequate planning. Detailed statistical methods cannot rescue design flaws. Therefore, Issues in trial conduct and analyses should be anticipated during trial design and thoughtfully addressed. In this lecture, we will highlight issues that must be considered when designing clinical trials and understand its fundamentals. Fundamental of designing clinical trials that will be discussed include but not limited to clearly defining the research question, determining the primary and secondary objective, randomization and stratification, blinding, placebos, selection of a control group, selection of the target population, the selection of endpoints/outcomes, sample size, and planning for interim analyses.

Learning objectives:

- Participants will learn why clinical trials are necessary, how to define research question and objectives, how different kinds of trials are designed and how bias can be minimized, how trials are managed and then analyzed, interpreted and reported.

"This session has been made possibly by International Association of Dental Research - IADR"



Fawad Javad

DDS, PhD, Assistant Professor
Eastman Institute for Oral Health, University of Rochester, USA

Vaping & Oral Health



AEEDC Conference Hall - C

11:00 - 12:00

C.E.R.P: 1 cr.

Studies have shown that vaping impairs myofibroblast differentiation, thereby jeopardizing lung function and also promotes mitochondrial stress and DNA damage. Moreover, it has been shown in-vitro that vaping with flavorings increases oxidative stress and levels of proinflammatory cytokines in human periodontal ligament fibroblasts and human gingival epithelium. Furthermore, exposure to E-cig vapor/aerosol increases the levels of cyclooxygenase-2 (COX-2) and prostaglandin-E2, which upregulate the expression of RAGE in gingival tissue. The purpose of this lecture is to highlight the detrimental effects of habitual use of ENDS on oral tissues and health. It is therefore imperative to educate the public as well as oral healthcare providers about the deleterious effects of using ENDS on oral health.

Learning objectives:

- The purpose of this lecture is to highlight the detrimental effects of habitual use of ENDS on oral and systemic tissues and health
- Vaping is not a safe alternate to smoking
- E-liquids with or without nicotine damage fibroblasts
- Vaping is a potential risk factor of periodontitis and possibly peri-implant diseases
- Vaping is linked with respiratory and cardiopulmonary diseases
- Vaping induces oxidative stress in tissues

"This session has been made possible by International Association of Dental Research - IADR"



Faaiz Alhamdani

Oral & Maxillofacial Surgeon,
Vice Dean for Scientific Affairs, College of Dentistry,
Ibn Sina University of Medical & Pharmaceutical Sciences (Iraq)

How to Think, How to Read, How to Write?



AEEDC Conference Hall - C

14:00 - 15:00

C.E.R.P: 1 cr.

Conducting a research project is not about doing a particular experiment alone. In other word is not merely a technical procedure. Research aims to tackle the question at hand from different aspects and angles, besides it is an intertwining process of thinking, reading, and writing alongside performing the research experiment.

This presentation hopes to provide an insight toward research thinking, critical reading, and proper writing skills. The speaker will share his experience in writing, which extends 30 years in different fields of knowledge.

This lecture will focus on helping the targeted audience (dental researchers) to implement their scientific knowledge through the best possible way, and enable their research findings to be available for largest possible readers.

Learning objectives:

- Provide an insight on research thinking
- Shed a light on the proper academic reading strategy
- Guide the audience on the proper style of writing through the paper sections
- Give a glance on suitable choice of journal for publication

"This session has been made possibly by International Association of Dental Research - IADR"



Olaniyi Taiwo

BDS, MCP, MPH, MSc, PhD,
President of IADR Nigeria Division, Head of Dept. of Basic Sciences & Research,
Intercountry Center for Oral Health (ICOH), Nigeria (Africa)

Writing Paper for Publication



AEEDC Conference Hall - C

15:00 - 16:00

C.E.R.P: 1 cr.

The presentation is intended to help clinicians translate their practice observations and ideas into written form and eventually into print in peer review journal and other scientific publications.

Learning objectives:

- Talk about the type of journals
- Types of manuscripts
- Author's perspectives and reader's priorities on manuscripts
- *Key elements of publishing:*
 - a. Ethical Issues
 - b. Style and language
 - c. Structure of paper
 - d. Components of paper (including proposed order to write a manuscript)
 - e. A brief discussion on referencing style
 - f. Article submission/journal selection
 - g. Publisher's process/peer review
 - h. Reasons manuscripts are accepted or rejected
 - i. Scientific misconduct
 - j. Nuggets for writing abstracts for scientific conferences

"This session has been made possible by International Association of Dental Research - IADR"



Abhishek Kumar

BDS, PhD,

Unit of Oral Rehabilitation, Division of Oral Diagnostics & Rehabilitation,
Department of Dental Medicine Karolinska Institutet, Sweden

Designing Research Study



AEEDC Conference Hall - C

16:00 - 17:00

C.E.R.P: 1 cr.

DAY THREE

Effective science communication is an essential skill for researchers. Scientific writing and publications are indispensable for documentation, dissemination, communication and advancing scientific knowledge. Scientific publications in peer-reviewed journals are one of the most essential and effective methods of translating research findings to practice in public health. Apparently, these resources are entirely dependent on if the manuscript in question has been accepted for publication in a scientific journal.

As a reviewer, it is at times quite disheartening to reject a manuscript because a good idea has been poorly communicated. Hence, the purpose of the talk is to present a reviewer's perspective on how to prepare a manuscript for a successful scientific publication. Specifically, the presentation will attempt to describe the peer review process and how authors could better prepare manuscripts, select journals, and referees, design cover letters for efficient peer review and thereby successful publication. The presentation will also provide a brief introduction to orofacial neuroscience and research activities at the Department of Dental Medicine Karolinska Institutet, Sweden.

Learning objectives:

- The purpose of the talk is to present a reviewer's perspective on how to prepare a manuscript for a successful scientific publication. Specifically, the presentation will attempt to describe the peer review process and how authors could better prepare manuscripts, select journals, and referees, design cover letters for efficient peer review and thereby successful publication. The presentation will also provide a brief introduction to orofacial neuroscience and research activities at the Department of Dental Medicine Karolinska Institutet, Sweden.

"This session has been made possible by International Association of Dental Research - IADR"

Digital Dentistry Forum



Amr Tuhami

BDS, MSc Oral & Maxillofacial Radiology,
Clinical Diploma of Implantology, DSD Certified,
Digital Dentistry & Guided Surgery Consultant
Egypt



Asmaa Seliem

BDS, MSc, Orthodontics
Assistant Lecturer of Orthodontics,
Faculty of Dentistry, Ain Shams University
Egypt

The Complete Puzzle of Artificial intelligence & Computer Guidance in Digital Dentistry



AEEDC Conference Hall - D

09:00 - 10:00

C.E.R.P: 1 cr.

The future of digital dentistry is bringing revolutionary oral techniques that will turn dental appointments into quick and safe visits. The use of artificial intelligence in different imaging modalities, is a new uprising powerful tool that will change the diagnostic outcome in the dental field. Combining artificial intelligence and computer guided dental solutions will enhance treatment outcome with more predictable results. In this lecture, I will illustrate the fundamentals of how Artificial intelligence being utilized in different imaging interpretations and I will explain computer guided dentistry concept using 3D digital solutions for accurate and more desirable outcome in different dental specialities , as oral radiology , Endodontics , implantology , orthodontics & aesthetic dentistry. Through the lecture, clinical cases will be presented, emphasizing digital and clinical workflow, discussing the benefits of artificial intelligence and digital guided dentistry & illustrating novel techniques for guided dentistry planning.

Learning objectives:

- Identify AI in dental imaging capabilities & limitations
- Outline advances of Computer guided planning for Endodontics, implantology, orthodontics , aesthetic dentistry
- Describe the updated Digital dentistry workflow & clinical applications
- Recognize the quality control for clinical cases after digital planning.
- Evaluate the usability of different 3d printed guides in clinical applications



Steven Gold

DDS, FACD, FICD

Assistant Professor, Coordinator of Digital Dentistry
Western University of Health Sciences, College of Dental Medicine - USA

Tooth Preparation for Conservative CAD/CAM Restorations Part I



AEEDC Conference Hall - D

10:00 - 11:00

C.E.R.P: 1 cr.

Conservative tooth restorations have been shown to result in better long term oral health when compared to more invasive restorative procedures like full crowns. Bonded indirect restorations including those fabricated with chairside CAD/CAM technology allow for more conservative restorations and require a detailed tooth preparation protocol for optimum success. Tooth preparations can be further enhanced by adhesive dentistry procedures. Proper burs are essential to achieve the shape and dimensional requirements of tooth preparations. A CAD/CAM design system can be helpful in evaluation and improvement of tooth preparations.

Learning objectives:

- Describe how conservative tooth preparations can lead to better restorations and long-term tooth health
- Synthesize a tooth preparation process to yield the most conservative restoration for a given tooth condition
- Explain how adhesive dentistry procedures can enhance tooth preparations for better clinical outcomes
- Identify burs and their characteristics to achieve optimum conservative CAD/CAM tooth preparations
- Discuss how a CAD/CAM design system can be used as a quality check for conservative tooth preparations



Steven Gold

DDS, FACD, FICD

Assistant Professor, Coordinator of Digital Dentistry
Western University of Health Sciences, College of Dental Medicine - USA

Tooth Preparation for Conservative CAD/CAM Restorations Part II



AEEDC Conference Hall - D

11:00 - 12:00

C.E.R.P: 1 cr.

DAY THREE

Conservative tooth restorations have been shown to result in better long term oral health when compared to more invasive restorative procedures like full crowns. Bonded indirect restorations including those fabricated with chairside CAD/CAM technology allow for more conservative restorations and require a detailed tooth preparation protocol for optimum success. Tooth preparations can be further enhanced by adhesive dentistry procedures. Proper burs are essential to achieve the shape and dimensional requirements of tooth preparations. A CAD/CAM design system can be helpful in evaluation and improvement of tooth preparations.

Learning objectives:

- Describe how conservative tooth preparations can lead to better restorations and long-term tooth health
- Synthesize a tooth preparation process to yield the most conservative restoration for a given tooth condition
- Explain how adhesive dentistry procedures can enhance tooth preparations for better clinical outcomes
- Identify burs and their characteristics to achieve optimum conservative CAD/CAM tooth preparations
- Discuss how a CAD/CAM design system can be used as a quality check for conservative tooth preparations



Steven Gold

DDS, FACD, FICD

Assistant Professor, Coordinator of Digital Dentistry
Western University of Health Sciences, College of Dental Medicine - USA

Tooth Preparation for Conservative CAD/CAM Restorations Part III



AEEDC Conference Hall - D

14:00 - 15:00

C.E.R.P: 1 cr.

Conservative tooth restorations have been shown to result in better long term oral health when compared to more invasive restorative procedures like full crowns. Bonded indirect restorations including those fabricated with chairside CAD/CAM technology allow for more conservative restorations and require a detailed tooth preparation protocol for optimum success. Tooth preparations can be further enhanced by adhesive dentistry procedures. Proper burs are essential to achieve the shape and dimensional requirements of tooth preparations. A CAD/CAM design system can be helpful in evaluation and improvement of tooth preparations.

Learning objectives:

- Describe how conservative tooth preparations can lead to better restorations and long-term tooth health
- Synthesize a tooth preparation process to yield the most conservative restoration for a given tooth condition
- Explain how adhesive dentistry procedures can enhance tooth preparations for better clinical outcomes
- Identify burs and their characteristics to achieve optimum conservative CAD/CAM tooth preparations
- Discuss how a CAD/CAM design system can be used as a quality check for conservative tooth preparations

Digital Dentistry Forum



Abeer Al Subait

BDS, MSc, AEGD, Dip (Public Health)
Consultant AGD, KADC, CR/ KAMC - NGHA- KSA

Artificial Intelligence in Dentistry



AEEDC Conference Hall - D

15:00 - 15:45

C.E.R.P: 0.75 cr.

Technological advancements have played a critical role in fostering the health sector. Among the major advancements in technology which have brought significant impact in the health sector is the artificial intelligence. Most countries have largely embraced the use of artificial intelligence in health care. In this lecture I will introduce AI in Dentistry and Assess the AI awareness among dental staff.

Learning objectives:

- Introduce the Artificial Intelligence to the dental Field
- Explore different applications of AI in to Dentistry
- Increase accuracy and reduce human errors in dentistry
- Explore Dental staff concern about AI
- Assess Dental staff awareness level about AI

DAY THREE



Les Kalman

BSc, DDS, GPR

Assistant Professor, Restorative Dentistry, Schulich School of Medicine & Dentistry
The University of Western Ontario (Canada)

Disrupting Dentistry: Recent Advances and Novel Workflows in 3D Printing



AEEDC Conference Hall - D

15:45 - 16:30

C.E.R.P: 0.75 cr.

3D printing has experienced a surge in popularity in dentistry, but has been limited to plastics for guides, aligners and dentures. 3D printing with metal and ceramic is still in its infancy, but the workflow has significant advantages over conventional approaches. This presentation will explore innovations in metal and ceramic 3D printing for dental applications with novel workflows, examples and comparisons to conventional production. These advances present innovative approaches that are simple, efficient, customizable and inexpensive alternatives.

Learning objectives:

- Appreciate the fundamentals of 3D printing Recognize the difference between subtractive and additive manufacturing Understand CAD/CAM and 3D printing applications in dentistry Appreciate novel workflows in 3D printing Conclude if 3D printing is a fit for your practice



Steven Gold

DDS, FACD, FICD

Assistant Professor, Coordinator of Digital Dentistry
Western University of Health Sciences, College of Dental Medicine - USA

Become Digitally Indispensable: CAD/CAM for Dental Assistants



AEEDC Conference Hall - D

16:30 - 17:15

C.E.R.P: 0.75 cr.

CAD/CAM technology continues to revolutionize restorative dentistry. Fabricating high quality indirect restorations, in-office, in a single visit, has tremendous appeal to both patients and the dental team. This course will provide an evidence-based overview of the current state of CAD/CAM dentistry and specific clinical skills the dental assistant can contribute to the process. Becoming “digitally indispensable” can be an extremely rewarding addition to any dental assistant’s career!

Learning objectives:

- Discuss the current state of CAD/CAM dental technology as supported by scientific evidence
- Identify the steps in fabricating a single-tooth CAD/CAM restoration from start to finish.
- Learn basic skills required to obtain digital scans and design a CAD/CAM restoration.
- Identify steps in preparing a milled CAD/CAM restoration for cementation.
- Learn the dental assistant’s role in the cementation of CAD/CAM fabricated restorations.

Advanced Speciality Courses

The Advanced Courses will be running parallel to the AEEDC Dubai Conference and provide the following benefits:

- Provide the advanced and updated theoretical and methodological approaches concerning the topics of the speciality.
- Provide systematic and comprehensive knowledge on the main and current theories in regards to different subjects of interest.
- Enhance the practical expertise of the dental specialists.
- Build a knowledge platform among qualified specialists across the globe.
- Gain extra CME points.
- Advanced Speciality Courses are on limited attendance basis.
- Nominal fees with greater benefits

Accreditation

AEEDC Advanced Speciality Courses has received Accreditation from the following Authorities

Dubai Health Authority

ADA CERP® | Continuing Education
Recognition Program

INDEX Conferences & Exhibitions Organization Est is an ADA CERP Recognized Provider.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

INDEX Conferences & Exhibitions Organization Est. designates this activity for continuing education credits on an hour for hour basis

Advanced Speciality Courses

**DAY
ONE**

Time: 14:00 – 18:00

Restorative Dentistry

Golden Rules for Successful Posterior Composite Restorations

Prof. Ahmed Abd El Fattah El Zohairy

Teaching Method: Participation

Accreditation: 4 CME (DHA) / 4 CME (ADA)

Novotel World Trade Centre Hotel – ONYX & PEARL Room

Made Possible by



Registration Fee:
AED 790

**DAY
TWO**

Time: 09:00 – 13:00

Endodontics

**Reciprocation or Continuous Rotation with Heat Treated NiTi Files,
What to Choose in Curved and Calcified Canals?**

Prof. Edmond Koyess

Teaching Method: Participation

Accreditation: 4 CME (DHA) / 4 CME (ADA)

Novotel World Trade Centre Hotel – ONYX & PEARL Room

Made Possible by



Registration Fee:
AED 790

**DAY
THREE**

Time: 09:00 – 12:00

Aesthetic Dentistry

Unfolding Anterior Esthetics: The Science Behind Veneers

Dr. Ritul Agarwal

Teaching Method: Participation

Accreditation: 3 CME (DHA) / 3 CME (ADA)

Novotel World Trade Centre Hotel – ONYX & PEARL Room

Registration Fee:
AED 685



Prof. Ahmed Abd El Fattah El Zohairy

BDS, MSc, PhD, Professor

Department of Conservative and Esthetic Dentistry, Cairo University - Egypt

Restorative Course

Golden Rules for Successful Posterior Composite Restorations

The clinical success of posterior composite resins restorations depends greatly on attention to details on each of the steps required to prepare, applied, cure and finish the restoration,

The key factors in direct composite resin restorations in the posterior, including isolation, matrix systems, light curing and placement methods. Successful implementation of these key elements is essential for survivability of posterior composite restorations.

Introduction:

Since their introduction in 1970s, composite resins have become very popular restoration for anterior and posterior teeth. Their ability to bond to tooth structure allows for minimally and even non-invasive preparations.

Learning objectives:

- To differentiate the multiple factors influencing the quality and long-term behavior of tooth-colored posterior restorations
- To recall the criteria of cavity preparation for posterior composite resin restoration
- To distinguish the scientific background leading to the choice of the adhesive concept and system, the restorative techniques and materials
- To identify techniques that can minimize postoperative sensitivity with posterior composite resins
- To master the clinical application of different direct composite restorations, including the new bulk fill techniques

Who should attend?

- General Practitioners
- Dental Students

Demonstration and Workshop:

A: Provided materials and equipment (for each participant):

- Plastic posterior models
- Light curing units
- Hand instruments and compule extruders
- Capsule mixers and extruders
- Dental adhesives and composites
- Matrix system

B: Procedure and demonstration steps:

- Sectional matrix application
- Bonding techniques
- Building class II composite restoration using different techniques, Incremental and Bulk fill
- Using the new composite material that needs no condition steps

Course Outline:

- 14:00 - 15:00 Presentation of Ideal Class II Conditions
- 15:00 - 16:00 Demonstration and Step-by-Step on Plastic Models
- 16:00 - 17:00 Presentation of Non-Ideal Class II Conditions
- 17:00 - 18:00 Demonstration and Step-by-Step on Plastic Models and Q&A

Accreditation: 4 CME (DHA) / 4 CME (ADA)

Made Possible by



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Prof. Edmond Koyess

DDS, MSc, PhD, Director of Postgraduate in Endodontics, Instructor, Department of Endodontics, Faculty of Dental Medicine, Chairman, Department of Endodontics, Lebanese University - Lebanon

Endodontics

Reciprocation or Continuous Rotation with Heat Treated NiTi Files, What to Choose in Curved and Calcified Canals?

The main purpose of the course is to discuss the new technology in design and manufacturing of NiTi files, in regards of improvement in safety and security, in shaping complex root canal situations. After a short classification of NiTi files according to manufacturing process, we will interpret the results of a number of research papers and help understand the advantages of state-of-the-art NiTi files. The author will describe the dynamics and technique to shape safely curved and calcified canals, using continuous rotating and reciprocating files.

Introduction:

The success of endodontic therapy is based essentially on cleaning the root canal system, which inevitably requires an enlargement of the root canal space, to allow to disinfecting solutions, reach all areas of the canal. Shaping calcified and curved canals are challenging, it requires the respect of the original trajectory and the security in preventing the fracture of the shaping file. The Flexibility and the cyclic fatigue are detrimental factors to maintain the integrity of the file while shaping canals. New manufacturing processes of NiTi wires have led to an important level of preventing file separation. The objective of this presentation is to discuss the importance and understanding the physical properties. We will also describe the operator's role in establishing optimal conditions of shaping in respect of security and safety.

Learning objectives:

- Recognize the difficulties of shaping the root canal, and the risks of deformation or perforation due to curvatures and degree of calcification.
- Classify NiTi files, and identify the physical properties of advanced technology and manufacturing, to match the needs of security and safety while shaping canals.
- Describe the advantages of kinematics, reciprocating and continuous rotation of NiTi files.

- Discuss the security and safety of glide path preparation prior to using the shaping files.
- Explain the design and clinical use of two types of files, WaveOne Gold and ProTaper Gold.

Who should attend?

- General Practitioners
- Specialists

Demonstration and Workshop:

A. Provided Materials and Equipment (for each participant):

- Motor and hand-piece
- Disposable irrigating syringe and needle
- Disposable tweezers
- Complete training kit with a set of files including manual stainless-steel files
- Glide path shaping NiTi Files and
- ProTaper Gold and WaveOne Gold
- Corresponding paper points the final shape of the canals
- Matching gutta-percha points

B. Procedure and Demonstration Steps:

- Short Presentation
- Short demonstration with a step-by-step on plastic block
- Establishing working length and glide-path development
- Shaping with ProTaper Gold and WaveOne Gold
- Questions and answers.

Course Outline:

- 09:00 – 10:00 Pros and Cons of Heat Treated NiTi Files and Reciprocation versus Continuous Rotation. Best System and Adequate Sequence for Curved and Calcified Canals.
- 10:00 – 11:00 Demonstration and Step-by-Step Preparation on Plastic Blocks
- 11:00 – 12:00 Establishing Working Length and Glide-Path Development
- 12:00 – 13:00 Shaping with Protaper Gold and WaveOne Gold and Q&A

Accreditation: 4 CME (DHA) / 4 CME (ADA)

Made Possible by



This Session has been made possible by Dentsply Sirona

**Dr. Ritul Agarwal**

BDS, MDS, MProsRCSEd (UK), FDSRCSEd (UK)
Specialist Prosthodontist & Implantologist, Private Practice – UAE

Aesthetic Dentistry

Unfolding Anterior Esthetics: The Science Behind Veneers

The treatment of esthetic areas has received a great deal of attention since the turn of the century. The constant search for a natural, harmonious and pleasant smile clearly reflects the fact that there are more-demanding and better-informed patients. An accurate knowledge of facial topography and the dynamics how the patient performs their basic oral is essential and must form the basis of any analysis of the intraoral aspects.

Introduction:

The presentation discusses strategies of how to relate appropriately facial and intraoral aspects. In facial analysis, images can be vital for diagnostic development and the preparation of a treatment plan. The use of images/photography in which the patient exhibits lips parted in a resting position is essential for determining the best length and exposure of upper incisors at the end of treatment. The use of facial photographs allows a better identification of potential discrepancies associated with esthetic sites. Soft-tissue esthetics represents a constant challenge for the clinician and its accomplishments requires a differentiated preoperative individualized treatment plan, followed by a meticulous execution of each of the proposed steps in order to limit potential errors.

Learning objectives:

- Asses the patients smile
- Learn to prepare the indexes for guided tooth preparation
- Learn the technique of direct mock up
- Learn to relate the patient's psychology with tooth shape
- Discuss the importance of various parameters in smile designing

Who should attend?

- General Practitioner
- Specialists
- Dental Students

Demonstration and Workshop:

A. Provided Materials and Equipment (for each participant):

- Restorative Composites
- Putty, lightbody
- Blade
- Plastic Instrument

B. Procedure and Demonstration Steps:

- Demonstrate the technique of direct mock up followed by hands on
- Fabrication of mock up index
- Fabrication of preparation index

Course Outline:

- 9:00 – 10:00 Lecture: Principles of Smile Design
10:00 – 11:00 Hand on: Direct Mock Up Technique
11:00 – 12:00 Hands on: Index Fabrication

Accreditation: 3 CME (DHA) / 3 CME (ADA)

Poster Guidelines & Judges

AEEDC Digital Poster Display Guidelines

- All poster presenters should be present at their display stands or available virtually at the respective time provided to them in case other participants would like to ask questions.
- For digital poster display schedule refer to AEEDC website <https://aeedc.com/poster-presentation/>
- All AEEDC posters should be submitted prior to the event (i.e. before 29th of June 2021).
- No Posters will be accepted onsite on the day of the event.
- No accepted poster will be displayed without pre-registering for the conference.
- Author(s) or Co-Authors who are registered for the conference will receive a certificate of appreciation.
- Authors names will be included in the booklet with the titles.
- Posters will be displayed on 40" TV screens and rotated over the course of the event.
- No paper posters will be accepted or displayed. ONLY digital copies will be displayed.
- Poster competition presenter will be requested to present their poster in 7 minutes, followed by 3 minutes of discussion and Q&A Session in front of the judging panel on 30th June 2021 in conference Hall B of DWTC .
- If you are a participant shortlisted for the Poster Competition, your presence at the time of the competition is mandatory because the evaluation committee will judge your presentation on 30th June between 09:00 – 12:00.
- The abstract must be based on original research or original clinical case studies.
- The content must meet the standard of an academic / scientific presentation. The outline must have an Introduction, Objectives, Materials and Methods, Results and Conclusions.
- The abstract must describe the Objectives, Methods, Results (data and statistical analysis [where appropriate] and Conclusions).
- The judges will choose 3 winners & announce their names on 1st of July 2021.

Digital Poster Format Guidelines

- The poster orientation should be in the Vertical Format (like the usual paper poster)
- The poster file resolution should be 3840 (Height) x 2160 (Width) pixels.
- The poster file format / extension should be .JPG
- The poster file size should not exceed One (1) Giga Bytes.
- The Font Size should be 25 points and above for the text to be readable on the screen.

Poster Guidelines & Judges

Poster Competition Guidelines

- Poster Competition will be held on Day 2 of the conference i.e 30th June 2021 from 9am to 12noon at Hall B @ Dubai World Trade Convention Centre
- It is mandatory to provide your presentation slides in slide ratio 3:1.
- No slide changes will be permitted on the day of the event.
- All presenters should be present at Hall B at 8.30am.
- Maximum of two poster presenters per submitted poster are to present to the judges.
- Poster competition presenter will present their poster in 7 minutes, followed by 3 minutes of discussion and Q&A in front of the judging panel.
- Competition presentation program will be according to the schedule on the website.

Poster Judges

Dr. Abdul Rahman Saleh (Master Judge)

Professor, College of Dentistry, UAE

Prof. Laila Bahammam

Professor and Consultant of Endodontics, King Abdulaziz University, KSA

Dr. Vivek Padmanabhan

Professor, RAK College of Dental Sciences, UAE

Prof. Hesham Marei

Dean, College of Dentistry, Gulf Medical University, UAE

Dr. Turki A. Bakhsh

Associate Professor & Consultant, Department of Restorative Dentistry, King Abdulaziz University, KSA

Dr. Wael M. Talaat

Associate Professor of Oral and Maxillofacial Surgery, College of Dental Medicine, University of Sharjah, UAE

Prizes:

First Prize Winner you will be entitled for the following:

Free registration for AEEDC Dubai 2022

Free registration for one course in DWDM 2022

Second Prize winner you will be entitled for the following:

Free registration for AEEDC Dubai 2022

50 % off for one course in DWDM 2022

Third Prize winner you will be entitled for the following:

Free registration for AEEDC Dubai 2022

25 % off for one course in DWDM 2022

Poster Competition

Knowledge, Perception, and Attitude Regarding COVID-19 and Infection Control Measures Against it among Dental Students, Saudi Arabia

Afrah Alharbi – KSA

Association between COVID-19 pandemic conditions and perceived stress level among college students in Saudi Arabia

Ahad Sulaiman Albadah – KSA

Self-Reported Determination of Tooth Brushing Frequency in the Kingdom of Saudi Arabia

Amani Alzubaidi - KSA

Being a Left-Handed Dentist: Boon/Flaw?: A Survey in Dental Colleges around the UAE

Amneh Darwish – UAE

Knowledge on and attitude toward silver diamine fluoride among Saudi dental practitioners in Riyadh public hospitals.

Ghadah AlAjlan – KSA

Evaluation of fracture resistance of E max crowns with different preparation heights and cement types

Ghadah Alqahtani – KSA

Micro-hardness and Aging of Different Resin Based Fluoride Releasing Sealants – In Vitro Study

Imtinan Alhussain - KSA

Frequency of Color Vision Deficiency among Saudi Dental Students: A Cross-Sectional Study

Mashaal Alqahtani – KSA

Association of overweight/obesity with the severity of periodontitis using BPE code in an Iraqi population

Nada Kadhim Imran – Iraq

Knowledge and Attitude of Infection Prevention and Control Among Dental Team; Update Guidelines of COVID-19 In Dental Settings

Qutaybah Alwisali - KSA

Comparative Analysis of Canal Aberrations Using Different Rotary Systems in Simulated S-shaped Canals: A Hybrid Technique.

Sara Ahmad Alhimairi – UAE

Psychosocial effects of COVID-19 pandemic in dental universities in Saudi Arabia; a cross-sectional study.

Shahzeb Ansari – KSA

Knowledge, Usage and experience of Accelerating orthodontic vibratory device (AcceleDent) In KSA.

Wafa Alotaibi – KSA

Association of SARS-CoV-2 with dental problems

Zuhair Natto – KSA

Case Report

Non-extraction treatment of Class II Malocclusion with Impacted Canine using Pendulum and TAD supported anchorage appliance - A case Report.

Ahlam Habib - UAE

Dental Management of Liver Transplant Child under General Anesthesia

Areej Aljuaid - KSA

Dental Management of Child Patient with Noonan Syndrome

Areej Aljuaid - KSA

Pulp Revascularization in an Immature Mandibular Premolar Associated with Pulp Necrosis and Sinus Tract Discharge: A Case Report

Emad Alagamawy - Bahrain

Apexification using Mineral Trioxide Aggregate and Modified Internal Matrix: A Case Report

Emad Alagamawy - Bahrain

Rotation of 180 Degrees of Bilateral Mandibular First Molars in Pediatric Patient: A Case Report

Faris Alotaibi - KSA

Management of Skeletal Class 2 in Children what are the Particularities? About Two Clinical Cases

Kaotar Eddaouri - Morocco

Guided endodontics: a case report of non-surgical and surgical endodontic management of maxillary central incisor with pulp canal obliteration and root end deformity.

Nouf Alnaqbi - UAE

Posters Display

Centric relation: a mystery even for dental students.

Aalia Alharthi- KSA

Prevalence and Characterization of Musculoskeletal Disorders among Dental Students, Interns, and Residents in Riyadh, Saudi Arabia

Abdulmajeed AlRumi - KSA

Knowledge, Attitude & Practices towards COVID-19, A Comparison between Three Gulf Countries – A Cross Sectional Study

Abdulmohsen Alanazi – KSA

Dental Smart Insurance (DSI)

Abdelmonim Humida – Sudan

Dentochip (Smart readable microchip loaded within tooth fillings)

Abdelmonim Humida – Sudan

Correlation between maxillary sinus membrane and lateral wall thickness with facial index of patients: A CBCT based retrospective study

Abdulrahman Alaamri – KSA

Prevalence and Characterization of Musculoskeletal Disorders among Dental Students, Interns, and Residents in Riyadh, Saudi Arabia

Abdulmajeed Alrumi - KSA

Ectopic Maxillary Tooth as a cause of Recurrent Maxillary Sinusitis: A Case Report and review of the literature

Abdullah Alshuaibi- KSA

Does the interceptive extraction of the primary canine improve the position of palatally displaced canines? A meta-analysis

Ahlam Habib-UAE

Comparison of the Accuracy of Age Estimation Methods on Saudi Arabian Population: A Cross Sectional Study

Ahmad Alotaibi – KSA

Internal Bleaching of Endodontically Treated Teeth: A Dental Practitioner's Perspective from Kingdom of Saudi Arabia

Ahmad Alotaibi – KSA

The effect of usage and autoclaving on the cyclic fatigue resistance of heat-treated nickel-titanium instruments

Aisha Alshehhi - UAE

Posters Display

Patient Safety Culture at King Saud University Dental College

Aljoharah Alfehaid - KSA

Awareness of Dental Healthcare Professionals in the Middle East North African Region on Predatory Journals

Anas Basim - UAE

Awareness of Dental Healthcare Professionals in the Middle East North African Region on Predatory Journals

Anas Al Khafaji - UAE

Safe Zones For Miniscrew Implants In Orthodontics

Asli James - Oman

Clinical management of internal resorption with a periapical lesion

Asma Almujaani - Oman

Comparison of Platform Switched and Platform Matched Implants on Supporting Structures of Mandibular Overdentures: A Three-Year Follow-up Longitudinal Study.

Asmaa Ashour - UAE

Postoperative hypersensitivity and digital radiographic assessment of a zinc modified versus a conventional glass ionomer cement in deep carious lesion: randomized controlled clinical trial

Dina ElKady - Egypt

Effectiveness of Different Irrigation Agitating Devices on Debris and Smear Layer Removal: An In Vitro Comparative Study

Emad Alagamawy - Bahrain

Effect of Proximal Margin Elevation Technique on Marginal Adaptation of Ceramic Crowns.

Fahad Alshahrani - KSA

A Cross Sectional Assessment of Knowledge amongst Saudi Dental Clinicians on Maintenance and Complications of Oral/Perioral Piercing

Fahdah Alwaeil - KSA

The Effectiveness of Low-Intensity Laser as an Adjunct to Non-Surgical Periodontal Therapy in Diabetic Patients

Fares Nasereldin Al Hajeb - UAE

Knowledge on and attitude toward silver diamine fluoride among Saudi dental practitioners in Riyadh public hospitals.

Ghada Alajlan-KSA

Posters Display

Laser Treatment of Recurrent Aphthous Lesions

George Alexandru Maftai- Romania

Advantages and effectiveness of clear aligner therapy than fixed appliance for orthodontic treatment during outbreak of covid-19

Hanan Alrashidi-KSA

Evaluation of the root and canal morphology of Maxillary and Mandibular premolars in an Emirati Subpopulation Using Cone-beam Computed (CBCT) Tomographic Data.

Hanadi Almehrzi -UAE

Relapse in orthodontics a real challenge

Kaotar Eddaouri – Morocco

Oral hygiene practices, dietary habits and dental caries experience among primary children in Riyadh, Saudi Arabia: A cross-sectional study

Khaled Aldalaan-KSA

Attitude of Clinical Dental Students to Bleaching of Vital and Non-Vital Teeth

Khalid Al Anazi – KSA

Depression and suicidal ideation among dental students

Kholod Alqarni-KSA

Antibacterial Effect of Chloroxylenol Against E. Faecalis: An In-vitro study

Kholoud Alzahrani -KSA

Congenitally Missing Teeth (CMT)

Lama Mohammed Rahhal-UAE

Validation of diagnostic efficiency of Digital Panoramic radiographs in predicting Osteoporosis: Diagnostic performance of female undergraduate students.

Layal Aldughishem-KSA

Development of a Novel Dental Shade Determination Application

Les Kalman – Canada

Additive manufacturing in titanium a novel implant abutment: assessment of strength and torque as a precursor for clinical evaluation

Les Kalman – Canada

Current Concepts about Temporomandibular disorders: A Literature Review.

Lubna Ashour – KSA

Posters Display

The Considerations of Mandibular Incisor Extraction in Orthodontic Treatment: A Systematic Review

Luluh Alammarr - KSA

Oral Health-Related Quality of Life in Patients with Diabetes in Riyadh, Saudi Arabia

Imtenan Alhussain-KSA

Xerostomia, Salivary Secretion, And Oral Health Status Among Diabetic Patients

Maryam Bamasoud -KSA

Influence of Different Obturation Systems on the Fracture Resistance of Endodontically Treated Roots

Mazen Doumani - KSA

The internship dentists self confidence levels during root canal treatment procedures

Mazen Doumani - KSA

Saudi patients' knowledge and awareness about Mercury in Dental Amalgam

Mazen Doumani - KSA

Test Anxiety and Temporomandibular Disorders (TMD) in Health College Students (Imam abdulrahman bin Faisal university, DMM, KSA)

Mohammad Alasmari- KSA

Prevalence And The Factors Affecting Dental Anxiety And Fear Among School Going Children In Al Ahsa - Saudi Arabia

Mohammed Aldarwish- KSA

Erosion of Esthetic Restoratives Following Aging In Artificial Saliva

Najla Alqahtani - KSA

Preliminary evaluation of factors that influence the durability of CAD/CAM restorations

Nassir Almizban- Iraq

Correlations between mandibular asymmetries and temporomandibular disorders: A Systematic Review

Nawaf Alotaibi-KSA

Expression of S100, HMB45 and Melan A in oral and sinonasal melanomas, a systematic review.

Nikhil Malgaonkar - KSA

Sleep-disordered breathing among Saudi children seeking orthodontic treatment

Norah Almufadhi - KSA

Posters Display

Dental Bleaching: How Far Distance between Patient Demands and what Actually Achieved
Ohud AlGhamdi - KSA

Accuracy, Precision and Efficiency of 3D Dental Lab Scanners; a Comparative Study of Two Systems
Rahaf Alalwan - KSA

Factors Affecting Prosthodontic Decision Making of Missing Anterior Teeth
Rakan Alogaiel-KSA

Assessment Of Reliability Of Smartphone Cephalometric Analysis Applications
Rafeef Bugis-KSA

Dental Implant and Diabetic Patients: A clinical Study
Reem Alkhathami-KSA

Effectiveness of various modalities of physiotherapy in relief of pain associated with TMD: A Systematic review
Reoof Mohammad - KSA

What is the effect of maxillary expansion on the maxillary arch width in patients with bilateral cleft palate: A systematic review and meta-analysis
Rowaida Alrashoud - KSA

Chlorhexidine-modified nanotubes and their effects on the polymerization and bonding performance of a dental adhesive
Sara Kalagi -KSA

Comparison of Endodontic decision making for post-obturation flare up among dental students, post graduate trainees, general practitioners, and endodontists. A scenario - based electronic survey.
Sereen Al Shawaf - KSA

Different periodontal treatment modalities for an identical prosthodontic biological complication - the map to follow.
Shadene Saadi- KSA

New Trends in Forensic Odontology
Sharifa Jameel - UAE

Posters Display

Comparing Post Removal Kit With Different Systems Used In Removal Of Interradicular Posts From Root Canals- A Review

Shaya Aldossary – KSA

How to avoid losing £20K in 120 days

Shoukat Ashiti - Kuwait/UK

Evaluation of Radiation Exposure in Open Dental Clinics using Thermoluminescence Dosimeters (TLDs) And Questionnaires

Shuruq Aljarallah – KSA

Efficiency of the Herbst appliance in the early treatment of Class II division 1 malocclusion

Soukaina Sahim – Morocco

Predictability of orthodontic dental movements with aligners (Review)

Soukaina Sahim – Morocco

Development of Polycaprolactone (PCL) nanofiber blended with hydroxyapatite

Vellore Kannan Gopinath -UAE

Microbiological Study Of The Efficiency Of Root Canal Treatment With Er: Yag Laser

Yuliya Kozlova – Russia

Evaluation of Cross-Sectional Root Canal Shape and Presentation of New Classification of Its Changes Using CBCT

Yuliya Kozlova – Russia

AEEDC Student Competition

Venue: AEEDC Conference Hall B



Competition is a major factor in education on a global scale. National education systems intend to bring out the best in the next generation, by involving students in educational intellectual competitions and offering them incentives for self-improvement.

It's our pleasure to conduct the 12th edition of the AEEDC Student Competition virtually this year through a game-based platform. AEEDC Student Competition is one of the activities of the UAE International Dental Conference & Arab Dental Exhibition – AEEDC Dubai, which will be held between 29 Jun – 1 Jul 2021, at the Dubai World Trade Centre.

AEEDC Student Competition provides a unique opportunity to all dental & oral medicine students by participating through their universities. Each university is participating with a team of 5 students in their 4th & 5th academic years, who will actively interact with their counterparts from different dental colleges and universities. A vision of exchanging information, knowledge and expanding the students' horizons on various fields of dentistry. Competing students will be challenged to engage with questions in various subjects in oral & dental medicine ranging from Infection Control and Four Handed Dentistry to Implantology and Oral Surgery. Last year, AEEDC Student competition hosted 23 universities from MENASA region & Europe.

1. Objectives

- To involve dental students in AEEDC Dubai programs.
- To create interaction among dental students of different institutions.
- To expand their knowledge in various issues in dentistry by active participation.
- To support and shape up the knowledge hunting sense of the future dentists.
- To develop an exciting environment and cohesion among dental students.

2. General Guidelines and Regulations:

- This year the competition will be running virtually through a game-based platform.
- AEEDC Student Competition is open to all public and private dental universities/ colleges.
- Submission of the participation form does not automatically entitle the applicant to participate in AEEDC Student Competition 2021.
- All the team members and their supervisors must be registered in the conference.
- No participation forms will be considered after 17th May 2021.

- Incomplete participation form will not be accepted as all required information should be received before the submission deadline.
- Academic team is made up of (5) students which will be nominated from each university to be part of the competition.
- Participants must be in their clinical practice stage (4th or 5th academic year)
- Each team is supervised by one faculty member from the same university.
- The faculty member supervisor will nominate one team leader (captain) from the five students to be the representative of the team while answering the questions.
- A draw process will be done to select the competing teams in the preliminary round and will be announced to the participants of the competition.
- Participating teams' members are expected to represent their University in a professional manner, any socially unacceptable behavior will result in automatic disqualification of their team from the competition.
- For any withdrawals, the participants should notify the *organiser in writing as soon as possible or minimum of 1 month prior to the event.

3. Requirements:

Each team is requested to provide the following to be able to participate to the virtual competition;

- A dedicated stable Internet connection of at least 10 MB speed.
- The connection should not be shared with other activities.
- All team members along with their supervisor should be in one room
- Two devices - one to run the Zoom meeting and second one for the game-based platform

4. Competition Mechanics:

The competition will be composed of generally of 4 main rounds; Elimination A & B, Semi-Final and Final Rounds:

1. Elimination Rounds A:

- This will be conducted on the 29th of June from 14:00 - 17:00
- According to the final number of the participating universities, a random draw process will be done to select the competing teams
- Example;

Round 1:	Round 2:	Round 3:	Round 4:	Round 5:	Round 6:
Team 1	Team 3	Team 5	Team 7	Team 9	Team 11
Team 2	Team 4	Team 6	Team 8	Team 10	Team 12

Round 7:	Round 8:	Round 9:	Round 10:	Round 11:	Round 12:
Team 13	Team 15	Team 17	Team 19	Team 21	Team 23
Team 14	Team 16	Team 18	Team 20	Team 22	Team 24

2. Elimination Rounds B:

- This will be conducted on the 29th of June from 14:00 – 17:00
- Winners of the previous rounds will compete against each other
- Example:

Round 1:	Round 2:	Round 3:	Round 4:	Round 5:	Round 6:
Team 1	Team 3	Team 5	Team 7	Team 9	Team 11
Team 2	Team 4	Team 6	Team 8	Team 10	Team 12

3. Semi-Final Rounds:

- This will be conducted on the 30th June from 14:00 – 17:00
- Winners of the previous rounds will compete against each other
- Example;

Round 1:	Round 2:	Round 3:
Team 1	Team 3	Team 5
Team 2	Team 4	Team 6

4. Final Round:

- The final round will be conducted on the 30th June from 14:00 – 17:00
- The winners of the semi-final round will face each other in 1 final round. The team with the highest score will be announced as the **AEEDC Knowledge Champion 2021 (1st place winner)** and the team with the lowest score will be the 3rd place winner

5. Competition Policy:

- All (5) representatives of each university will work together to answer the questions as a team including the captain student, who will deliver the answer.
- Questions shall be in multiple choice forms (MCQ).
- Questions divided into two groups:
 - Group one** will be correlated to AEEDC Conference Lectures submitted by the speakers who are the only reference.
 - Group two** will be correlated to Clinical Dentistry submitted by each participating university and will be cross checked by independent academics.
- The conference lectures' questions will be from the respective session previous to each round, i.e. The morning session of each day.
- Excluded Conference Halls from the Competition questions are Hall A and B.
- Each round will be composed of (5) questions randomly chosen from the Conference lectures' questions & Universities questions and each team will receive the same questions during the same game (round).
- Each question will be equal to (1) point.
- In case of a tie, each team will have (1) tie breaker question, if both answered correctly, the process will be repeated until only one team gets the correct answer.
- Disqualification in case of receiving external assistance is to the organisers' discretion.

6. Awards & Certificates:

- a. The highest scoring team will be announced as **AEEDC KNOWLEDGE CHAMPION 2021**.
- b. Each member student of the champion team will receive 2,000 AED.
- c. Each member student of the 2nd place winner will receive 1,000 AED.
- d. Each member student of the 3rd place winner will receive 500 AED.
- e. Free registration for AEEDC Dubai 2022 for each member student of the champion team.
- f. Certificate of participation in the competition will be given to all teams' members & their supervisors

7. Competing Teams:



Ibn Sina National College for Medical Studies

Team Supervisor:

Dr. Roaa Alshafei

Team Members:

1. Abdulaziz Maleh
2. Anas Noor
3. Maryam Nasser
4. Remaz Mahmoud
5. Rim Khashfa

Imam Abdulrahman bin Faisal University, College of Dentistry

Team Supervisor:

Dr. Maram Al Ghamdi

Team Members:

1. Jumana Alagil
2. Maysaa Alghamdi
3. Reem AlKhateeb
4. Sarah Alqanas
5. Zainab Alyousif

King Khalid University



Team Supervisor:

Dr. Amal Shaiban

Team Members:

1. Faris Alqahtani
2. Ghadah Alqahtani
3. Mashael Alqahtani
4. Najla Alqahtani
5. Sami Alawwadh

King Saud bin Abdulaziz University for Health Sciences



Team Supervisor:

Dr. Lubna Alkadi

Team Members:

1. Ali Almutairi
2. Khlood Alghamdi
3. Marzouq Almutairy
4. Meshal Alwadi
5. Munirah Alotaibi

King Saud University



Team Supervisor:

Dr. Ahmed Almahdy

Team Members:

1. Hafsa Hassan Alali
2. Nada Saad Alghamdi
3. Rana Mohammad AlMazroa
4. Sarah Saleh Alnamlah



Lebanese University
Faculty of Dental Medicine

Lebanese University, Faculty of Dental Medicine

Team Supervisor:

Assoc. Prof. Maria Elias Saadeh

Team Members:

1. Antonella Farajallah
2. Antonio Farah
3. Marie-Lynn Dammous
4. Salma Zantout
5. Sara Awada

Majmaah University



جامعة المجمعة
Majmaah University

Team Supervisor:

Dr. Ashwaq Faia Asiri

Team Members:

1. Abdulaaly Alotaibi
2. Abeer Almosa
3. Khalid Almutairi
4. Mohammed Almana
5. Reoof Mohammad

NewGiza University

Team Supervisor:

Dr. Randa EISalawy

Team Members:

1. Martina Mark
2. Mohab Gawish
3. Samar Bassam
4. Shaza Shabbour
5. Youssef Soliman



Qassim University, College of Dentistry



Team Supervisor:

Dr. Faraj Alotaibi

Team Members:

1. Amjad Alshommemri
 2. Gharam Al-Harbi
 3. Mohammed Alraqibah
 4. Omar Almohsin
 5. Rahaf Alolayan
-

Riyadh Elm University



Team Supervisor:

Dr. Ahmad Assari

Team Members:

1. Alanoud Alqahatni
 2. Ali Alshamari
 3. Maram Hani
 4. Nada Al Sulaiman
 5. Tariq Wahass
-

Taibah University



Team Supervisor:

Dr. Yasser Alsahafi

Team Members:

1. Hamzah Allam
 2. Hazem Zubaidi
 3. Moath Allassaf
 4. Rahaf Alhazmi
 5. Safaa Susi
-

The British University in Egypt

Team Supervisor:

Prof. Fardos Rizk



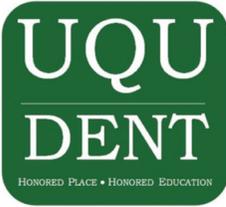
Team Members:

1. Ahmed Abdelmalek
2. Fayrouz Motamed
3. Gehad Mostafa
4. Huda Eljackey
5. Omar Emadeldin

Umm Al Qura University

Team Supervisor:

Dr. Sarah Alaql



Team Members:

1. Afrah Alharbi
2. Fatima Abdullah Ahmed Badghaish
3. Layan Alhemayed
4. Moayad Hadi
5. Mohammed Badaoud

Vision College of Dentistry and Nursing in Riyadh

Team Supervisor:

Dr. Nasser Hussein Shaheen



Team Members:

1. Ahmad Koujan
2. Bashayr Alanazi
3. Haneen Al-Hajj
4. Noora Alshammari
5. Obada Mandil



The dental industry is one of the fastest developing industries in the world that witnesses growth and technological advances that are truly commendable.

AEEDC Dubai organisers believe that recognition is required for those distinguished contributors and innovators within the whole oral health profession and industry. Thus, AEEDC Dubai is delighted to recognize those contributors yearly through AEEDC Dubai Awards that cover different categories.

AEEDC Dubai Award Categories

- AEEDC Dubai Personality of the Year Award
- AEEDC Dubai Young Researcher Award
- AEEDC Best Speaker Award
- AEEDC Dubai Excellence in Clinical Equipment Award
- AEEDC Dubai Best Stand Design Award
- AEEDC Dubai Best Stand Activities Award
- AEEDC Dubai Best Clinical Photo Award
- AEEDC Dubai Distinguished Exhibitor



"2020 AEEDC Dubai Personality of the Year Award"



AEEDC Dubai 2020 Best Stand Design Award



AEEDC Dubai 2020 Excellence in Clinical Equipment Award



AEEDC Dubai 2020 Young Researcher Award

Be part of 2021 Awards
aeedc.com

AEEDC Dubai Awards

There has been tremendous growth within the dental industry in recent years and the AEEDC Scientific Advisory Committee and stakeholders are delighted to recognize the distinguished leaders and innovators within the world of oral health.

The AEEDC Dubai 2021 Awards are designed to show appreciation by recognizing the significant achievements of both individuals and organisations and their outstanding contributions to oral health.

AEEDC Dubai 2021 Award Categories

1. AEEDC Dubai Personality of the Year Award 2021

This is an annual award, which is granted to the person that has made a significant contribution to oral health on a global scale. The nominees and the winner will be selected by the AEEDC Awards Committee.

2. AEEDC Young Researcher Award 2021

This award is designed to acknowledge the young talent within the field of dental science and will allow the young dentists to share their ideas, innovations and observations with world class institutions and authorities in the oral health field, by simply providing them with the deserved exposure.

Through this endeavour, we encourage the young researchers in the field of dental science to contribute their accomplished studies, for the benefit of all oral health professionals participating in the AEEDC Dubai event.

The single winner of the AEEDC Young Researcher Award 2021 will be entitled to the following:

- Admission to AEEDC Dubai 2022.
- 4 Nights Accommodation (provided by AEEDC Dubai Organizers).
- Admission to 1 AEEDC Advanced Speciality Course of his/ her choice.
- Certificate of participation.

Please note that all nominees will receive a certificate of participation.

3. AEEDC Best Speaker Award 2021

This award seeks to recognize the “Champion” presenter of the year; all AEEDC Dubai conference speakers’ names will be automatically included in this competition. The best speaker should be the most popular and the one that attracted the biggest number of attendees; he/she should get the highest recognition from the audience. The winner will be officially announced by the AEEDC Awards Committee after the final counting of “audience” votes. Recognition certificate and trophy will be presented to the winner. Announcement of the winner will be through the following:

AEEDC Dubai Awards

- Personal correspondence with the winner
- AEEDC Dubai Website.
- Wall of Recognition during AEEDC Dubai 2022.

4. AEEDC Dubai Excellence in Clinical Equipment Award

This award commemorates the dental clinic product/equipment that is a revolutionary breakthrough in the professional oral care, or has achieved groundbreaking improvement to an existing product. The winner will be selected by the AEEDC Awards Committee. Criteria for selection:

- Innovation or modernization of existing equipment, materials, or instruments.
- Outstanding quality of production.
- Safety of product.
- "A" to "Z" time.
- Simplicity of steps.

5. AEEDC Dubai Best Booth Design Award

Selection of this award will be through participants' voting on a daily basis. The votes will be collected by the exhibitors themselves and handed over to AEEDC organizers everyday of the event.

6. AEEDC Dubai Best Booth Activities Award

The best booth activity will be through participants' voting on a daily basis. The votes will be collected by the exhibitors themselves and handed over to AEEDC organizers on a daily basis.

7. AEEDC Dubai Best Photo Award

Purpose

The purpose of this award category is to celebrate the necessity of details in dentistry and to appreciate effective and beautiful documentation work.

Form

AEEDC Dubai Best Photo Award is a competition, where applicants can submit up to 5 photos for the committee's consideration.

Categories:

- Clinical
- Workplace
- People

Who can apply ?

Any dentist, dental student, hygienist, dental technicians, and dental assistant who have given attention to details and taken the time and placed effort to have the ideal photo documentation, and consider their work to be good enough to receive an award.

Requirements

The images must be in JPG or Jpeg formats, a title and date is necessary for each image. Please note that it is possible that the committee will ask for a higher resolution for final decision making process. Entries that have won any competitions or awards cannot be considered, therefore any such work must be declared. A 50 word description of each image is mandatory to understand the work and consideration.

It is advised to remember the following points for better results in the award competition:

Originality of the work, creativity, impact, excellent visual elements, colour and light balance, sharpness and contrast, serving the purpose for which the picture is taken.

Copyright

By submitting your work to the committee as part of the Photo Awards, you consent to their use in whichever way (not clinical, not part of a CPD) the committee finds suitable in connection with the Photo Awards, their publicity and exposure, including but not limited to publications both hard and soft versions, and as well as media. Any other purpose for the use of the image(s) needs prior consent of the owner/applicant.

Consent

In case of an image that features a face, the person appearing in the image must give a written consent understanding and agreeing to the Award and Copyright conditions.

Decisions

All committee decisions in relation to the winner(s) selection are final and not debatable.

Young Researcher Award 2021



Reliability of Interproximal Bone Height Measurements in Bone and Tissue Level Implants: A Methodological Study for Improved Calibration Purposes

Dr. Kelvin Ian Afrashtehfar

DDS, EdCert, MSc, MScD, Dr, Dip. Pros., MFDS RCPS, MFDS RCS.Eng, MCGDent, MFDT.Ed, FADI, ITI Fellow
Assistant Professor in Prosthodontics, College of Dentistry, Ajman University, UAE RekGero Scientific Team Member, School of Dental Medicine, University of Bern, Switzerland



Reliability of Three-Dimensional Imaging for Assessment of Upper Airway in Obstructive Sleep Apnoea Patients: A Systematic Review and Meta-Analysis

Dr. Mai Abdelsalam

BDS, MSc, Orthodontics Resident Orthodontics & Dentofacial Orthopedics (MBRU), Orthodontics Resident, Dubai Dental Hospital (DDH). American and European Association of Orthodontics member since 2017



Evaluation of Anti-Carcinogenic Potential of *Cissus quadrangularis* Linn on Human Oral Cancer cells

Prof. Dr. M.J.Ravindranath

BDS, MDS, MBA, PhD, FIMSA, Visiting Professor, Department of Orthodontics & Dentofacial Orthopedics, Priyadarshini Dental College & Hospital(India), Specialist Orthodontist, Private Practise, UAE

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