



## Preliminary Program

2<sup>nd</sup> International Conference on

# Advanced Dentistry and Oral Health

28-29 December 2019 | Cape Town, South Africa



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Prof. Dr. Ralf Rössler  
Dean of DTMD University, Luxembourg



**Lecture: "Toothloss and the Management" Extraction: What Now?  
Sustainable treatment concepts for socket and ridge preservation**

Today we know, we will lose soft and hard tissue after tooth extraction. Within the first year 50% of the width and 1-3 mm of the height of the ridge will get resorbed. 60% of the bone resorption will take place within the first 3 months. The reconstruction of the dentofacial and esthetic harmony is a real challenge in modern implantology. With socket- and ridge preservation we can preserve and rebuild hard- and soft tissue. The presentation will highlight the scientific principles of ridge and socket healing and the possibilities in treatment before placing implants or prosthetic therapy.

**Biography:**

Study of chemistry (Dipl.) in Heidelberg and dentistry at the Hannover Medical School and the Justus Liebig University Giessen. From 1990 to 1998 research associate and senior physician of the Department of Periodontology in the Center for Dental, Oral and Maxillofacial Surgery of the University of Giessen. Research focuses on the development of biomaterials and tissue engineering. Teaching in periodontology, multiple publications and lectures nationally and internationally. From 1998 - 2006 Scientific Director of the ZMF School of the Dentistry Chamber of Lower Saxony. From 2001 to 2006 Lecturer at the CHARITÉ - Universitätsmedizin Berlin, Campus Benjamin Franklin, Department of Dentistry and Periodontics. Lecturer in the Master's Degree Program in Implantology at the Steinbeis University Berlin, as well as in curricular advanced training courses of various state dental associations and professional societies.

Dr. PirkkoLiisa Tarvonen  
University of Helsinki and University of Eastern Finland, Finland



**Lecture: Dental fillings and restorations by 3D printing technique**

Dental caries remains as one of the main health problems globally. Direct filling technique with composite has several shortcomings. Especially large fillings in lower posterior teeth are challenging. Indirect restorations are developed to overcome the challenges linked with direct restorations. Subtractive CAD/CAM (computer-aided design and computer-aided manufacturing) milling technology has been generalized along with the expanding role of digitalization. Additive CAD/CAM technique called 3D printing has been used in dental labs to manufacture splints, surgical guides, orthodontic aligners, removable dentures, crowns and facial prostheses.

RAYO 3DToothFill is a novel technique utilizing digital imaging and 3D printing to fabricate tooth fillings and other dental restorations. Based on a vitro study, the accuracy of 3D printing technique overcomes that of milling technique in the fabrication of dental inlay and onlay fillings.

**Biography:**

Dr. Pirkko-Liisa Tarvonen has a specialist degree in Dental Public Health from the University of Turku, Finland, and a PhD degree from the University of Eastern Finland. She acts as Dental Marketing Director at Rayo 3D-Toothfill Ltd and as University Lecturer at the University of Helsinki and at the University of Eastern Finland.

Dr. Milivoj Sherrington P.  
ICOR Academy, Chile



**Lecture: Maximum Outcome in 3D Digital Diagnosis using CBCT and STL Models**

Digital Dentistry is not the future, it's a reality, and this present congress is proof of that. Nowadays most of the industry's efforts are oriented towards record acquisition: CBCT, Optical scanners, facial models etc. or on the other hand, efforts are directed to the manufacturing process, 3D printers in metals, ceramics, aligners manufacturing, all of it is great! As a clinician I'm thrilled with the possibilities that new digital records and manufacturing process has to offer. This presentation will take care of the middle part of the digital dental treatment process, the diagnosis and treatment planning. This part, in my consideration, has not been fully developed, probably because we as clinicians haven't made ourselves heard enough. With simple digital tools, the goal of this presentation is to show a workflow that extracts as much useful information as we can from the digital records that are available in our daily practice as are DICOM and STL Files. In this way, diagnosis could act -as always- as a path that leads to clear planning goals and to successful and stable treatments.

**Biography:**

Dr. Milivoj Sherrington P. obtained his DDS degree in Chile, at "Universidad de Antofagasta" and his Orthodontics specialty at "Universidad Andrés Bello", Chile. He is Member at de Roth-Williams Society of Orthodontist and the Chilean Society of Orthodontists. He is an expert in Dental Photography and Digital Orthodontics, Brand ambassador for Sony Alpha. He works in digital dentistry closely with Prosthodontists and Maxillofacial Surgeons as he has a fellowship by ICOR Academy in orthodontics preparation for the Orthognathic Patient. Visitor Professor at Universidad Andrés Bello and Speaker at several Universities in Latin America.

Prof. Thalita Varela Galassi  
University of São Paulo, Brazil



**Lecture: Mini Implant Assisted Rapid Palatal Expansion**

Rapid palatal expansion have been widely used with predictable clinical results. Recently, orthodontist have successfully used mini implant assisted rapid palatal expander to achieve more skeletal expansion. Based on the knowledge of load system and biology, clinical effects and problems with the mini-implant assisted rapid palatal expansion will be presented.

**Learning Objectives**

- Identify the pros and cons of mini implant assisted rapid palatal expansion.
- Identify the limit of maxillary palatal expansion.

**Biography:**

Social director and professor in São Paulo Orthodontics Society. She received her Master Degree in Craniofacial Anomalies from Hospital of Rehabilitation of Craniofacial Anomalies, University of São Paulo in 2016. She is PhD Student at Faculty of Dentistry, University of São Paulo. She is orthodontist and has been in private practice since 2007. She has a post graduate in aesthetic dentistry. She is speaker and writer about orthodontics in social media since 2013.

Dr. Masahiro Iwata  
Matsumoto Dental University, Japan



**Lecture: Education for dental students about early detection of oral cancer in South-East Asian Countries**

Oral cancer is common cancer of global concern and is major health problem worldwide, causing over 128,000 deaths each year. Over two-thirds of cases and three-quarters of deaths due to oral cancer occur in developing countries. Oral cancer is 90% curable when found in its early stages, Unfortunately, over 70% of oral cancers are diagnosed in the late stages, Stage III, IV. Patients with early lesions have better chances for cure and less treatment associated morbidity, yet despite the easy accessibility of the mouth, most patients present with advanced tumors, when treatment is more difficult, more expensive and less successful compared to earlier stage tumors. Early detection has the potential to significantly reduce oral cancer deaths and morbidity.

I have been supporting oral surgical operations in South-East Asian countries for more than 20 years. The countries I have visited are many oral cancer-frequent areas, and are very high oral cancer mortality rates. Most oral premalignant lesions and cancers should be detectable at the time of a comprehensive oral examination. It is estimated that 84 % of the patients could potentially be detected by a dentist.

**Biography:**

Dr. Masahiro Iwata completed his DMD in 1986 from Okayama University, Japan and Ph.D. in 1977 from Okayama University, Japan. He was appointed as an Assistant Professor, Department of Oral and Maxillofacial Surgery, Okayama University in 1990.

Dr. Iwata is Assistant Professor, Division of Oral Maxillofacial Surgery, Department of Reconstructive Oral and Maxillofacial Surgery, Iwate Medical University. He is Visiting professor, Cebu Doctor's University, Philippines and Matsumoto Dental University, Japan

Prof. Dr. Adil Mageet  
Ajman University, United Arab Emirates



**Lecture: Immediate Effect of Mandibular Repositioning Appliance on Inspiratory and Expiratory Total Air**

Obstructive Sleep Apnoea / Hypopnoea Syndrome (OSAHS) is associated with obstruction of the upper airway and occurs as a result of repeated closure of the upper airway during sleep, either by anatomical or patho-physiological factors. During these episodes, the diaphragm and chest muscles involved in breathing work actively to re-open the occluded airway and suck air into the lungs. The aim of this study is to clinically investigate the changes in inspiratory and expiratory total air when a mandibular repositioning appliance (MRA) was used for the treatment of OSAHS and to suggest possible improvement in research technology when using the MRA.

**Biography:**

Prof. Dr. Adil Mageet is presently working as an Associate Professor at Ajman University. He completed his PhD from University of Edinburgh, UK, 2008 and his BDS from MRA Dental College, Bangalore University, India, 1991; MSc (Orthodontics): University of Edinburgh, UK, 2000

Dr. Mageet has completed his M.Orth.RCSEd from The Royal College of Surgeons of Edinburgh, UK, 2000 and FDS.RCSEd from The Royal College of Surgeons of Edinburgh, UK, 2013 and M(Ortho)RCPS(Glasg) & FDS.RCPS(Glasg) from The Royal College of Physicians Surgeons of Glasgow, UK, 2019.

# Preliminary Program 28-29 December 2019

## SPEAKERS

Dr. Hassan Koshak

Ministry of Interior Security Forces Medical Services, Kingdom of Saudi Arabia



**Lecture: Can alveolar ridge be completely preserved by Partial Extraction Therapies (PET) ? A case report**

**Aim:** To assess the effectiveness of partial extraction therapy (PET) for completely preservation of alveolar ridge.

**Introduction:** Tooth extraction is usually followed by partial resorption of the residual alveolar ridge. Different techniques such as ridge preservation procedure have been proposed to maintain the ridge dimension. However, applying these methods to extraction sockets could not completely preserve the coronal part of facial bone walls which were comprised almost entirely of bundle bone.

### Biography:

Dr. Hassan H Koshak is Consultant in Periodontics and Implant Dentistry. Head of the Dental Department and Dental Educator, Director of Academic and Education Affairs at Comprehensive Specialized Polyclinic, Ministry of Interior Security Forces Medical Services, Jeddah, Kingdom of Saudi Arabia, where he has been since 2016. He received a Saudi Fellowship In Dental Implant from the Saudi Commission for Health Specialties 2014-2016. He received a Saudi Board In Periodontics from the Saudi Commission for Health Specialties 2012 -2014. He received his Master of Science in Dentistry (MSD) and a Clinical Certificate In Periodontics from Riyadh Colleges of Dentistry and Pharmacy 2009-2012, Riyadh, KSA. With Honours. Also he received his Advanced Education in General Dentistry (AEGD) from University of South California School of Dentistry 2006- 2008. And he received his Bachelor of dental medicine and surgery (BDS) from Faculty of Dental Medicine and Surgery, King Abdul-Aziz University, Jeddah, KSA.

Dr. Jumana Sabarini

Jordan University of Science and Technology, Jordan



**Lecture: Esthetic restorations in Pediatric Dentistry. A new era**

A variety of esthetic restorative materials are available for restoring primary incisors and molars. Intracoronal restorations of primary teeth may utilize resin composites, glass ionomer cements, resin-modified ionomers, or polyacid-modified resins. Each has distinct advantages and disadvantages and the clinical conditions of placement may be a strong determining factor as to which material is utilized. Full coronal restoration of primary teeth may be indicated for a number of reasons. Crowns available for restoration of primary teeth include those that are directly bonded onto the tooth , which generally are a resin material, and those crowns that are luted onto the tooth and are some type of stainless steel crown.

### Biography:

Dr. Jumana Sabarini completed her Bachelor degree in Dental Surgery (1992) from Jordan University of science and Technology, Jordan and Master degree in Pediatric Dentistry (2005) from Alexandria University, Egypt and she was Jordanian Board in pediatric dentistry (March 2007).

She is Consultant in Pediatric dentistry in Arabella Private Center and Lecturer in Jordan University of science and Technology (JUST)-Irbid -Jordan.

Dr. Jumana is a Member of the European Academy of Pediatric Dentistry since 2013 and Clinical advisor of Esthetic Nusmile crowns in Jordan. She was Former Member and examiner in the Jordanian Board committee (Pediatric Dentistry) - Jordanian Medical Council.

Dr. Anak H Karkout

Dr. Aburas Dental Center, United Arab Emirates



**Lecture: Laser in the daily practice, a step forward**

It's a great time for dentists to consider an update to their practices! This can be achieved through using new technologies such as Laser. Unlike traditional tools, dental lasers can improve their patients' experiences by eliminating anesthesia, pain, bleeding and fear, as well as accelerating the healing.

In this lecture we will discuss all the laser advantages and disadvantages, and the importance of using laser in Biostimulation, Periodontal pocket disinfection, Root canal disinfection, Cavity preparation, Depigmentation, Gingivectomy, Frenectomy, Orthodontics, Fibroma excision, Impacted canine exposure, Coagulation, Tooth whitening, Pain relief and Periimplantitis.

### Biography:

Dr. Anas Karkout has been practicing Dental Lasers since 2012. He has published on this subject in the Asia and the Middle East. Dr. Karkout has attended as guest lecturer in Italy, France, Spain, Japan, Kuwait Lebanon ,United Arab of emirates and Syria. He holds a master degree in Dental Laser (Damascus University).

Dr. Yasser Othman

Minia University, Kingdom of Saudi Arabia



**Lecture: Ceramic Restorations Worn Against Different Occlusal Antagonist**

**Objective:** Wear assessment of different ceramic restorations placed against different occlusal antagonists.

**Materials and methods:** Sixty ceramic sample discs (13mm in diameter and 2mm in thickness) were divided into two groups; full contour zirconia (Zr) and lithium disilicate press on zirconia substrate (E.max) discs. Sixty antagonists were constructed and subdivided into three subgroups: (1) Discs wearing against extracted teeth. (2) Discs wearing against Porcelain fused to metal crowns (PFMc). (3) Discs wearing against full contour zirconia crowns (Zrc). Sample discs and antagonists were dynamically three-body loaded in dual axis chewing simulator with 49 N for 75000 loading cycles. Wear measurement for sample discs and antagonist were calculated using height, weight loss, and surface roughness.

**Results:** E.max showed statistically significant higher wear rate than the Zr group. Teeth showed higher wear rate more than ceramic antagonist but the difference was statistically non-significant. The surface roughnesses for groups and subgroups were changed but the differences were statistically non-significant.

**Biography:**

Dr. Yasser Othman has earned his Bachelors of Dental Surgery Degree from the University of Science and technology Sana'a Yemen. He further received Master degree in Fixed Prosthodontics from Cairo University Egypt. He granted Doctorate degree in Fixed Prosthodontics from Minia University Egypt in 2017. Dr Yasser is currently acting as a Head of Dental Department and Consultant Prosthodontist in Saudi German Hospital Jeddah KSA. He has published several research papers in relevance to his field of expertise.

Dr. Zubaida Al Karaawi

Prince Sultan Military Medical City, Kingdom of Saudi Arabia



**Lecture: Congenital Insensitivity to Pain with Anhidrosis: Dental Considerations and Management. A Case Report**

**Aim:** To report oral manifestations associated with CIPA and its management

**Case Report:** 1.5 years old Saudi girl attended with her parents to the department of pediatric dentistry at Prince Sultan Military Medical City. The parents requested extractions of the erupted teeth. Oral examination revealed multiple mouth ulcers affected her buccal mucosa, tongue and lips as a result of continuous biting her oral soft tissues. Upper central incisors were exfoliated following eruption. Primary molars erupted prematurely. The child had recurrent episodes of hyperthermia and anhidrosis. Genetic analysis confirmed diagnosis of CIPA. The parents are consanguineous. All teeth were extracted on the dental chair in subsequent visits. All ulcers healed nicely at the follow up appointment at age 2 however, the patient had hip dislocation and unable to walk.

**Biography:**

Dr. Zubaida Al Karaawi Graduated from King Saud University, Riyadh Saudi Arabia in 1990. Master degree in pediatric dentistry from UCL, UK, 1998 and Master in Clinical Dentistry UCL, UK 1999. Also completed his PhD in Clinical Dentistry UCL, UK 2004. Consultant in pediatric dentistry at Prince Sultan Military Medical City, Riyadh. He is a Board member in scientific committee of the Saudi Board in pediatric dentistry and Saudi Society in pediatric dentistry.

Dr. Oksana Soroka

UCAM Murcia, Ukraine



**Lecture: Orthodontics in the treatment of periodontally compromised patients**

Orthodontics in periodontal patients is an important component of treatment. It helps to maintain teeth and help to further stabilize the result.

An important point in the treatment of periodontal patients is the reproduction of not only function but also lost aesthetics with orthodontics and subsequent prosthetics

Correctly set priorities in the treatment( this is health, function, stabilize and aesthetics), will allow to achieve the desired results for a long period of life of the patient

To date, there are many methods of orthodontic treatment of perio patients. Knowledge of all indications and contraindications will allow us to obtain the result without significant loss of bone tissue

**Biography:**

Dr. Oksana Soroka completed her graduation in dentistry from Medical University of Ivano-Frankivsk, Ukraine. She specialized in Orthodontics from Medical University of Ivano-Frankivsk, Ukraine. Also, she is specialist in Gnathology and Occlusion-VieSID, Medical University of Vienna, Austria. Dr. Oksana is a Visiting Professor at UCAM University, Spain. Her Practise limited to orthodontics in Lviv (Ukraine)

# Preliminary Program 28-29 December 2019

## SPEAKERS

**Dr. Waleed Kurdi**  
Ministry of Health, Egypt



### **Lecture: Broken File Bypass (When, Why and How)**

Radicular separation of endodontic instruments is the worst nightmare facing every dentist in the modern dentistry. Instrument separation inside the canal worsens the root canal procedures and make cleaning and shaping the canal more difficult. Hindering the procedures will affect the outcome and the prognosis of the case. Separation mode is a complicated phenomenon affected by many factors which I will clarify in my lecture and how to prevent that Managing a separated instrument will range from orthograde to surgical option. Orthograde conservative conventional options including removal or bypassing the fragment will be the specific part of our lecture. A decision should be taken either to bypass or to retrieve according to many affecting factors which I will clarify. The main goal is not only removing the separated fragment but also the tooth integrity should be maintained so bypass is a good option in many situations. I will clarify when, why and how to bypass a broken file fragment through different protocols and trials. Clinicians should be familiar with all options in facing broken file cases even before referral if needed.

### **Biography:**

Dr. Waleed Kurdi has more than nine years of experience as a Clinician, Researcher and Lecturer in developing strategies and guidance in root canal treatment and dental hygiene. He is a lecturer and course director of Endo-Dam team for more than 3 years with 18-27 credit hours including lectures and workshop.

Dr. Waleed completed his Bachelor of oral and Dental Medicine B.D.S (2009) from Cairo university Excellent degree with honors and Master of Endodontics M.D.S (2013) from Cairo university.

He is an Endodontist and owner of BW dental clinic since 2013. Also, he is a dentist in the ministry of health, Egypt since 2009 and Endodontist at the Egyptian Armed Forces (2013-2016). He is a STYLE ITALIANO ENDODONTICS silver member, Speaker and K.O.L on behalf of many companies as COXO, FANTA and EIGHTEETH companies.

Dr. Kurdi was a speaker in many Expos (China, Egypt, Italy, Albania and India). Also, he was a course speaker and director of (BYPASS LIKE A BOSS) in many countries (Egypt, India, Albania and Poland).

**Dr. Rehana Younus Lakhani**  
Liaquat Medical College Jamshoro, Pakistan



### **Lecture: Oral Cancer (Tobacco)**

Oral malignancy is one of the most common cancer in the world. There are so many causes of oral cancer which we already know, but there is some unknown causes as well, which we cannot ignore. One of the leading and common cause is tobacco (Smoking and chewing), and second one is bad oral hygiene. In my opinion smoking is the leading preventable cause of death in most of our countries

Have a look on smoking risk:

- Coronary heart disease
- Stroke
- Mouth, Larynx, Pharynx, Vocal cords, Lung cancers

I believe alcohol and tobacco play an important role in malignancy in mouth cancer. Research shows that smoking is addiction in which Nicotine is the primary substance in cigarettes that causes addiction almost in all smokers, at the same time some of experts agree that it does not directly cause cancer and I agree with them. For every 15 cigarettes smoked, there is a DNA change which could cause a cell in the body to become cancerous.

The DNA in all our cells controls how they behave bad or good. If our DNA is damaged, than definitely things can go wrong. Here is one example, a chemical, benzo pyrene causes damage specifically at a part of the DNA that normally protects our cells from cancer, so this is very clear that we need to protect and nourish our guards.

### **Biography:**

Dr. Rehana Younus Lakhani has more than 27 years in dental practice, worked in Dubai and Pakistan, as a Medical Director and Dental practitioner. She has lectured at many international conferences. Dr. Rehana is running her own setup with the team of dentists. She studied in Pakistan, USA, Germany, Sri Lanka and Dubai.

Dr. Marta Riwansyah  
Government Hospital of Sejiran Setason, Indonesia



**Lecture: Semidirect Onlay Composite: From Nothing To Something**

Posterior teeth that have lost a substantial amount of coronal tooth structure as a result of caries, cavity preparation, fracture, tooth wear or endodontic access present the dentist with a dilemma in terms of treatment planning for subsequent restoration. Dental reconstructions with direct composite technique being more complicated. There are some problems such as polymerization shrinkage such contraction may result in the formation of cracks in the tooth / restoration interface, causing microleakage and postsurgical sensitivity. Besides that it require skill for carving the restoration and preparing proper points of approximal contact. The clinical use of composite resin has expanded in restorative dentistry. For larger restorations, it is possible to say that with the semidirect onlay technique , the composite material is placed indirectly in the prepared tooth by using silicone die and the primary polymerization is made by light activation with a handhold curing unit. Additional curing may use of different curing ovens. It provides the patient with the benefits of luted restorations without the procedure of indirect lab-made. So that, clinicians can restore large preparation in posterior tooth successfully in a single appointment by using the flexible die technique, resulting in satisfactory function and esthetic outcome. Entire clinical steps are described in detail with some discussions on outcome.

**Biography:**

Dr. Martariwansyah Born in Pangkal Pinang, Indonesia and graduated from Dentistry Faculty of Padjadjaran University of Bandung Indonesia in 2009. Since 2010 - Now is working as Civil Servant at Government Hospital of Sejiran Setason West Bangka and Private Practice. 2013, Achieving of a scholarship at Padjadjaran University and completed Conservative Dentistry Specialist Program in 2016. Winner Best of The Best Dental Photography Contest and Finalis Endo Contest Dentsply Sirona in 2017. Speaker at National Conferences Particularly interested in conservative dentistry and Aesthetic Restoration. He has contributed as Author and coauthor of some articles and dentistry books.

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