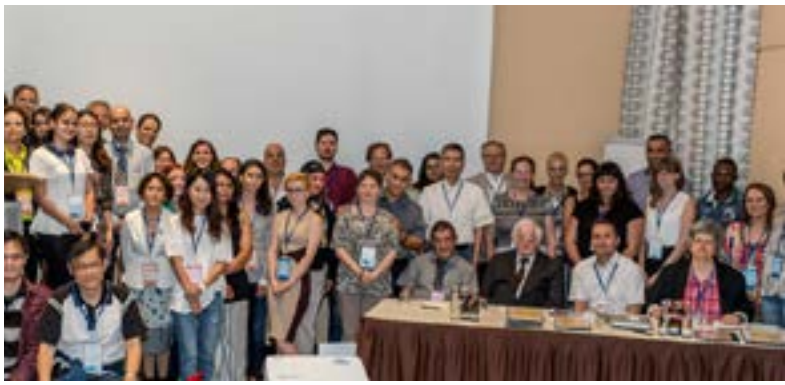
2481st Conference

American Dental Congress



27TH AMERICAN DENTAL CONGRESS

December 07-08, 2018 | Chicago, USA

Keynote Forum

Day 1

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Matthias Kern

Christian-Albrechts University, Germany

Resin-bonded bridges made from zirconia ceramic - A true alternative to single tooth implants

Resin-bonded fixed dental prostheses (RBFDPs, so-called Maryland bridges) with two metal retainer wings have been introduced over 30 years ago for a minimal invasive replacement of missing teeth. However unfortunately due to various reasons metal-ceramic RBFDPs are not considered a comparable treatment modality to implants by most of the dentists Cantilevered RBFDPs with a single ceramic retainer wing were introduced 20 years ago. They provide better esthetics and are less invasive than two-retainer RBFDPs. In the meantime long-term data of this minimal invasive treatment option are available. Similar concepts are now also implemented for the replacement of posterior teeth that show promising medium-term outcomes comparable to single tooth implants. This lecture summarizes when RBFDPs present a favorable, minimally invasive and less costly treatment alternative to single tooth implants.

Biography

Matthias Kern graduated 1985 in Dentistry from Albert-Ludwigs University at Freiburg, Germany. He was Assistant Professor in the Department of Prosthodontics in Freiburg, from 1985-1991 and from 1994-1997. From 1992-1993 he was Visiting Research Associate Professor at the University of Maryland at Baltimore. Since 1997 he is Professor and Chairman of the Department of Prosthodontics, Propaedeutics and Dental Materials at the Christian-Albrechts University at Kiel, Germany. From 2012-2016 Matthias Kern was President of the German Association for Prosthetic Dentistry and Biomaterials and serves in the Editorial Board of various peer-reviewed scientific journals.

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Mohamed Mehanny

Minia University, Egypt

Observers agreement in perception of non-cavitated approximal dental caries by CCD digital radiography at different exposure parameters and corresponding required radiation dose

Ionizing radiations have a biologic damage effect either somatic or genetic effects on the living system and poor radiographic detection of early proximal caries. In addition to, digital systems are characterized by their flexibility: the acquisition dose can be reduced at the expense of image quality and vice versa. The imaging parameters must be optimised according to the best performance of a particular system. Digital techniques increasingly offer options for dose reduction. At the same time, there is a risk of substantially increasing the patient dose, possibly unawares, due to the lack of visual control. Therefore, implementation of dose indicators and dose monitoring is mandatory for digital radiography. Moreover, proper selection of exposure parameters to avoid re-exposure to patients due to poor image quality. In addition to, identifying and survey parameters that allow the detection of artificial lesions or the semi-quantitative assessment of subjective image impression, as a surrogate for image quality and relate these parameters to a reference of dose. Then, determined accuracy of CCD systems in early detection of proximal caries in regard to the required radiation dose.

Biography

Mehanny has completed his PhD at the age of 33 years from Minia University and doing postdoctoral studies from University of Texas, School of Dentistry. He is assistant professor of Radiology, Minia University, School of Densitry, Egypt. He has got a postdoctor scholarship govered by USAID to Univesity of Texas Health and Science Center, USA.

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Michael J Pontack

Smile Right Dental Laboratories, Inc, USA

Rationale and method for securing an elite dental laboratory workforce

Dentistry has an opportunity of choice. While there exists numerous dental assisting and hygiene programs at colleges across the country, the dental technology teaching institutions are decreasing, numerically, nationally. Some thought leaders are basing the future of dentistry on digital utilization of technology to fabricate dental appliances. There are pitfalls to this approach. The educated dental technology workforce needs to grow, sufficiently, in order to meet the needs of baby boomers retiring into their major tooth loss years. To offset a supply crisis in treatment of edentulous and partially edentulous patients a workforce of licensed mid-level providers must also be trained and enabled to help dentistry, in partnership, meet the needs of this growing segment of the population. While digital fabrication of removable appliances is a benefit for some support casework, analogue processing is the artistic alternative to promote Prosthetic Privacy demanded by perspicacious baby boomer consumers demanding the best in removable appliances. The conventional processing methods provide jobs and careers for many thousands of talented individuals in a dignified medical field. Ostensibly, not all candidates in training will become licensed denture therapists (denturists), a more attractive career model will, most assuredly, attract many to the rewarding field of dental technology. Dental offices and dental laboratories will accept and welcome these denture technicians with open arms and bench chairs waiting. Axiomatically, there will be a renaissance of dental technology teaching institutions, some concentrating on premium removable prosthetics.

Biography

Michael graduated from Michigan State University College of Natural Science with Honors in 1975 Bachelor of Science degree Zoology. In 1977 he completed studies at the Michigan School of Dental Technology, Mt. Clemens, Michigan. He earned his CDT at National Board of Certification in 1989 in Complete Dentures. He owns and operates Smile Right Dental Labs since 1997 and has managed labs and denture departments at regional and nationally owned laboratory groups. Outside sales and dentist client representation adds to his experience. He has taught dental technology at the community college level. As a field instructor for the Geneva Dental Institute of Beverly Hills, CA, Michael was able to assist many dentists and dental technicians to learn the European Method of denture construction.

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Pisi Paolo

University of Bologna, Italy

Anatomical study of the Zygomatic Bone for the placement of Zygomatic Implants in totally Edentulous patients using Cone Beam Computed Tomography

The 3D computer-assisted technologies are the new trend of the last years in major surgeries as Maxillo-facial surgery for diagnostic imaging and surgery. It finds a large employment especially in complex clinical cases as the zygomatic implants where the evaluation of the bone available and the planning of the fixture trajectory results difficult with standard diagnostic imaging. This study is aimed to evaluate the amount of malar bone available in length on the possible ideal zygomatic implant trajectory. The ideal oblique slices, that simulated the different trajectories of the zygomatic implants (anterior and posterior) on the sagittal plane and that respected well defined and favorable occlusal parameters for the quad approach were obtained from 100 Computer Tomography of the facial mass of totally edentulous patients. For each oblique sagittal plane identified, three different implant trajectories were hypothesized on the frontal plane. Finally, the length of engaged malar bone, the intrasinus and the extrasinusal paths were measured for each implant trajectory. The research outcomes and the clinical implications will be presented.

Biography

Professor Paolo Pisi graduated in Medicine and Surgery (110/110 cum laude) in 1980. He became Specialist in Radiology (70/70 cum laude) in 1984, Academic Researcher at 27 years old. From 2008 he is managing director of the diagnostic imaging service of Hesperia Hospital in Modena. From October 2012 he is Academic Professor of the Department of Biomedical and Neuromotor Sciences at the University of Bologna and managing director of the Department of Dental Radiology Service.

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Amr Abouzeid

BDS Faculty of Dentistry, Tanta University, Egypt

The perfect shape of Ceramic Laminate Veneers

Porcelain laminate veneers have been a common treatment strategy in dental clinics. It is a conservative method for treatment of esthetic and functional problems in the anterior region of the oral cavity. A wide range of dental ceramics is now available on market for fabrication of laminate veneers. The clinician should have enough knowledge regarding the composition and properties of these materials in order to be able to choose the appropriate one according to clinical situations. In this Lecture, we will walk you through the world of esthetic dentistry generally and the porcelain laminate veneers specifically. Also, we are going to discuss the types of veneers and the different material available to produce the perfect design of the ceramic veneers. Moreover, we will share some tips in tooth reduction to know when to do the prep or the non-prep veneers. Finally, we are going to talk about the impression materials, cementation technique, follow-up session and how to manage the veneer failure.

Biography

Amr Abouzeid has completed his BDS in 2014, he has attended many courses in DSD with the DSD concept's inventors Dr Christian Cochman, Mrl. Livio Yoshinaga and he has become a DSD certified team member. He is a DSD course instructor in since 2016, he has given many courses in multiple cities in Egypt that include both software and clinical application. He has trained over 250 dentists on DSD template. He has finished NBDE 1,2 in 2018. Furthermore, he has many contributions at many conferences in Egypt, and the USA which includes oral presentations, poster presentations, and conference moderation. Also, he has publications in many Local and international journals.

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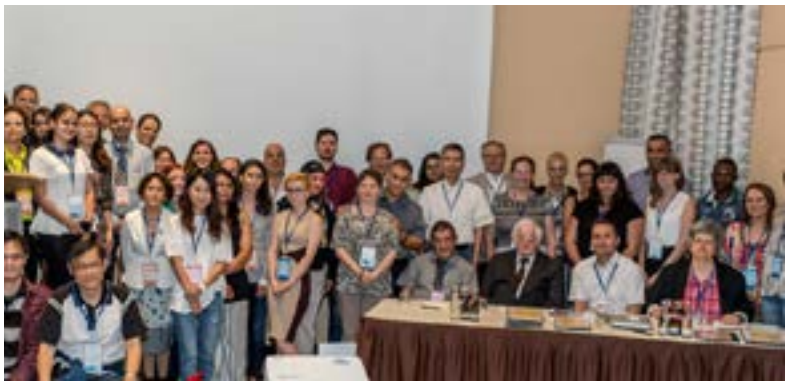

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Keynote Forum

Day 2

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27TH AMERICAN DENTAL CONGRESS

December 07-08, 2018 | Chicago, USA

Andre Galembeck

Universidade Federal de Pernambuco, Brazil

Silver nanoparticles: An alternative approach to treat dental caries

The use of silver in oral care is known for centuries and have recently renewed, since nanotechnology evolved and the outstanding antimicrobial properties of nanostructured silver-based formulations have been demonstrated against many different microorganisms. Several promising new technologies are currently under development and our group have recently demonstrated that formulations based on silver nanoparticles can be effective for caries arrestment without staining teeth, which make them a very attractive alternative to the "milling and filling" approach. Untreated dental caries in children remains a public health challenge in developing countries that affects future dental health, growth and cognitive development. The antimicrobial and cytotoxic activity of formulations containing silver nanoparticles (AgNP) against *Streptococcus mutans* were evaluated and compared to chlorhexidine and silver diamine fluoride (SDF). AgNPs is as effective as SDF in much lower doses and are non-cytotoxic. The clinical trials were carried out in children (6 - 9 years old) and the formulations were applied to deciduous teeth.

Biography

Andre Galembeck has a background in Materials Chemistry (UNICAMP, 1998) and is, currently, the Director of the Centro de Tecnologias Estratégicas do Nordeste (CETENE), a National Research Institute, in Brazil. He has been formerly a member of the National Advisory Committee on Nanotechnology, published more than 60 peer-reviewed articles in international journals and filed 8 patents. The research activities are related with nanostructured materials and polymer-based nanocomposites, mainly devoted for health applications.

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Miguel Monteiro

University of Rio de Janeiro State, France

Maximizing aesthetics on single implants

The beauty in implant dentistry is that every case is an individual challenge. An ideal implant treatment uses procedures, techniques, materials, and technologies that lead fast and on the shortest way to a maximally aesthetic result. The main goal is to achieve osseointegration and aesthetics in order to get long-term stability. For this, we need to obtain both, bone formation and gum thickness, as any failure in one of the 2 factors, will induce the loss of the second factor. The purpose of this presentation is to show participants the tissue stabilization factors and to demonstrate how to achieve the planned results at a single tooth replacement.

Biography

Miguel Monteiro de Carvalho Neto is now working as an invited Professor at Universidade do Estado do Rio de Janeiro (UERJ). He is also a Professor of French Implantology Association. Paris-France (afopi.com)

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Gouri Sankara Krishna Gattupalli

Shree Narayana Datte Dental Clinic, India

RODSMIPMTP Role of dental sleep medicine in the pregnency, migrain, type3 diabeties mellitus and post operative aspect of oral Cancer

Dental management of sleep disorders got stareed after the dental sleep medicine got emerged as a saparate branch which created the extension of the genaral dentistry to be a highly pronounced in the fild ofgeneral medicine A surveys are telling that 70% of world population was suffering from sleep disorders. as soon as this branch got extended into the filed of dentistry, the more and more options got evolved and so many complications of the treatment modalities available in the in the general sleep medicine got overcome which increased the size of the bred and butter for a dentist. But the main challenge here is the treatment protocols of some of the fields of general dentistry in the departments viz Oral medicine, Radiology and Diagnosis; oral and Maxillofacial surgery; Periodontics; Prosthodontics; Orthodontics; Paedodontics; Preventive and community dentistry; Foetal Dentistry and Leser dentistry and an extension got highly pronounced in the Cranio fssial surgery in the field of detal sleep medicine The filed of dentistry got extended in to some of the fields of general medical filed viz Cardiology; Nephrology; Endocrinology; Psychiatry; Pulmonology; Oto Rhyno Lrengiology; Nurology; Gynaecology; Foetal Medicine;Onchology; and Plastic surgery It is the right time for a dentist to get be aware of these changed protocol in the Genaral Dentistry and the extension of Dentistry in the above said Fields of General medicine Practice. In this concern we have to come to knoe in detail about Role of dental sleep medicine in the pregnency, migrain, type3 diabeties mellitus and post operative aspect of oral Cancer

Biography

Gouri Sankarakrishna Gattupalli, compleated my graduation in the fild if Dentistry at my 34th year from The Sharavathi Dental College And Hospita, T.H. Road Shimoga Karnataka India, Which is affiliated to The Rajeev Gandhi Unicercity Of Health Sciences, T Jayanahar, Bangalore, Karnataka, India and working in the field of The Dental Sleep Medicine. I am the owner of Shree Narayana Datta Dental Clinic Govt. Hospital Road. Kandukur, Prakasam District, Andhra Pradesh, India and cunsulant at Family dental hub Opp Thane Mucipal corporation Panch Pahad Thane Mumbai, Maharasthra. Presented Papers at Narayana Dental College And Hospital, Nellore, Andhra Pradesh, India; Costal Dental Branch, Vijayawada, Andhrapradesh India; Thai Mugambigambal Deamed Univercity, Chennai, Tamilnadu, India And All Indian Dental Conference 2017 at Mumbai, India.

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