Asian Academy of Prosthodontics

Virtual Scientific Meet 2020
AAP-V1.0
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31st October, 2020

SPEAKERS

Kwantae Noh
Digital complete denture and hybrid: ontemporary approach and workflow
Starts @ 0630H GMT

Alex Yunn-Jy Chen
Why do some occlusal theories puzzle us?
Starts @ 0730H GMT

Kelvin Khng
Using Fundamentals Of Removable Prosthodontics In Today's Dentistry.
Starts @ 0830H GMT

Sushil Koirala
TMJA Harmony approach to Dental Occlusion & Oral Rehabilitation (DOOR)
Starts @ 0930H GMT

Chris Butterworth
Zygomatic Implant based rehabilitation in the management of maxillary & mid-face malignancy: a classification-based approach.
Starts @1030H GMT

MODERATORS

June-Sung Shim
Korea

William Lih-Jyh Fuh
Taiwan

Stephen B. Almonte
Philippines

Vinod K. Joshi
Malaysia

T V Padmanabhan
India

31st October 2020
0545 GMT Registration begins
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Name: **Professor Chris Butterworth**
BDS(Hons), MPhil, FDSRCS, FDS (Rest) RCS (Eng)
Affiliation: Consultant in Maxillofacial Prosthodontics
University Hospital Aintree Head & Neck Cancer Centre
www.maxilofacialprosthodontics.uk

Lecture Title: **Zygomatic Implant based rehabilitation in the management of maxillary & mid-face malignancy: a classification-based approach.**

Biography:

Professor Chris Butterworth is a leading Maxillofacial Prosthodontist based at University Hospital Aintree, one of the largest Head & Neck Cancer centres in Europe. Since his appointment back in 2003, he has built a reputation for innovative care in the field of oral & facial rehabilitation He is the lead clinician for dental implant treatment at the Dental Hospital and also leads the prosthetic rehabilitation service in Merseyside for the oral & facial rehabilitation of head and neck cancer patients. He has extensive experience in the prosthetic planning, surgical placement and restoration of osseointegrated dental implants and has pioneered the placement of zygomatic implants in Merseyside. He has a national reputation in the prosthetic rehabilitation of oral cancer patients and was the youngest national president of the British Society of Prosthodontics in 2011/12. He is interested in the use of computerized dental implant planning techniques for complex cases, the use of zygomatic implants, surgical tailoring of intra-oral free flaps and in quality of life outcomes following osseointegrated implant treatment. He is actively involved in head & neck cancer research and is co-investigator on the HOPON trial looking at the efficacy of hyperbaric oxygen in the prevention of Osteoradionecrosis following surgery in the irradiated mandible. Chris has authored over 40 scientific papers, several textbook chapters and is the lead author on the restorative guidelines for UK based head & neck cancer patients.

Synopsis: : Treatment paradigms for the dental and prosthetic rehabilitation of patients with head & neck cancer are changing. The use of osseointegrated implantology within a highly skilled multi-disciplinary surgical team environment together with modern microvascular reconstructive techniques have allowed for the management of this highly complex patient group. Dental and facial rehabilitation have been made increasingly possible in the most complex of cases due to the availability of specialized implants and techniques. This lecture will discuss the clinical approaches based on the degree of maxillary/mid-face resection together with novel approaches developed by the team in Liverpool to provide maxillary implant supported fixed dental rehabilitation often in a matter of weeks following maxillectomy for selected cases. Prospective data on the author's experience with zygomatic implants in head & neck cancer patients over the last 14 years will also be presented and discussed.

Name: Dr. Sushil Koirala

Affiliation: Koirala Dental Academy, Kathmandu Nepal

Lecture Title: TMJA Harmony approach to Dental Occlusion & Oral Rehabilitation (DOOR)

Biography: Dr. Sushil Koirala, the founder president of the Koirala Dental Academy is a well-known practitioner and author in the field of Minimally Invasive Cosmetic Dentistry (MICD) and TMJA Harmony Dental Occlusion & Oral Rehabilitation. Dr. Koirala is a visiting consultant at Walailak University International College of Dentistry, Thailand, and was the President of the Asian Academy of Aesthetic Dentistry (2014-16) and executive council member of the International Federation of Esthetic Dentistry (IFED). He has authored a book on cosmetic dentistry "A Clinical Guide to Direct Cosmetic Restoration with Giomer" published by DTI Germany. A book chapters in Handbook of Research on Computerized Occlusal Analysis Technology Applications in Dental Medicine and Oral Health Care and Technologies Breakthrough in Research and Practice published by IGI Global, USA. He is the editor- in -chief of Cosmetic Dentistry Beauty & Science, MICD Clinical Journal, Smile Makeup International and Asian Journal of Oral Implantology.

Synopsis: : The establishment of oral health, function and smile aesthetics of the patient is directly related with overall harmony of his/ her teeth, muscles, joints and airway (TMJA) complex, and dental occlusion and oral rehabilitation (DOOR) procedure should always consider the health of each TMJA components, underling functional and parafunctional forces, and achieve stable joints position for long-term clinical success. If the stomatoganthic function and force components are not documented, analyzed and finished properly during DOOR procedures, the clinician may encounter various problems like; damaged restorations, fractured teeth, tooth mobility, abnormal tooth wear and sensitivity, pain in the teeth, gingival recession, pain in muscles and jaw joints with various other sign and symptoms of TMJA disorders. There are various clinical techniques in oral rehabilitation; conventional methods use full-coverage crowns that required aggressive tooth preparation and generally demands high biological, financial and time cost and in conventional methods, the stability of joints, teeth positions and their physiological relation with muscles and airway complex are not objectively recorded during the case diagnosis, treatment and follow up visits. However, with the advancement of the science and technology in adhesive restorative materials and availability of the digital dental technology that can precisely measure and record different clinical parameters of the underlying functional and occlusal forces status and jaw movements in both static and dynamic state, have now supported a modern clinician to treat even the complex dental occlusion and oral rehabilitation cases with micro or minimally invasive ways and achieve TMJA harmony after the treatment. During the presentation, the concept and benefits of TMJA Harmony approach which was proudly introduced by the presenter in 2010 will be highlighted with various clinical cases of FMR and TMD management.

Name: Assoc. Prof. Dr. **Kwantae Noh, DMD, MSD, PhD**

Affiliation: Department of Prosthodontics, School of Dentistry, Kyung Hee University, South Korea
nhokt@naver.com

Lecture Title: **Digital complete denture and hybrid: Contemporary approach and workflow**

Biography:

Prof. Kwantae Noh has graduated from the School of Dentistry, Kyung Hee University in 1996. He received Master's degree and Ph.D. from the School of Dentistry, Kyung Hee University in 2009. He completed residency training at the Department of Prosthodontics, Kyung Hee University Dental Hospital. He was a Clinical Instructor at the Asan Medical Center from 2009 to 2010 and a Visiting Professor at the Department of Sport Dentistry in Tokyo Dental College from 2012 to 2013. He is currently Associate Professor at the School of Dentistry, Kyung Hee University.

He is also currently a board-certified prosthodontist, BPS (Biofunctional Prosthetic System) Clinical Instructor, Deputy Editor of JCDD (Journal of Clinical and Digital Dentistry), Director, Insurance Affairs of the Korean Academy of Prosthodontics. His interest lies in in Digital Denture, Complete Denture, Virtual Articulator and Full-arch Implant Prosthesis. He has authored over 30 scientific articles and several textbook chapters.

Synopsis: Digital technology such as facial scan, large FOV CBCT, intraoral optical scanning and numerous CAD/CAM systems have significantly changed clinical practice in dentistry.

In this presentation, I will show digital diagnosis and based on various digital informations for digital denture and implant supported full-arch hybrid.

I will show digital denture workflow base on BPS (Biofunctional Prosthetic System) concept and will discuss the advantages and disadvantages of Various Digital Denture Systems.

Moreover I will also discuss impression technique, optimal tray design, combination workflows of Digital and Analogue techniques, and method for preserve impression border and polished surface for digital denture.

Name**: Dr. Kelvin Khng** , B.D.S (Singapore) M.S (Iowa, U.S.A), Certificate of Prosthodontics (Iowa, U.S.A), Diplomate of American Board of Prosthodontics, F.A.M.S (Prosthodontics)

Affiliation:

Lecture Title: Using Fundamentals Of Removable Prosthodontics In Today's Dentistry

Biography:

Dr. Kelvin Khng, B.D.S, M.S graduated from the National University of Singapore, Faculty of Dentistry in 2006. In 2009, Dr. Khng continued to pursue advanced specialty training in Prosthodontics at the University of Iowa, USA. After successfully completing his postgraduate training and obtained his Master of Science degree in Oral Sciences he then worked as a clinical fellow at the University of Iowa, College of Dentistry for a year before returning to Singapore. He practices in private practice and also as a part time tutor at the National University of Singapore, Faculty of Dentistry.

Dr. Khng is a board certified prosthodontist both in the United States of America and in Singapore. He is a past-president of the Prosthodontic Society of Singapore, a Fellow of the American College of Prosthodontist, Fellow of the Academy of Medicine of Singapore, member of the Singapore Dental Association and a member of the American Prosthodontic Society.

Dr. Khng is an instructor for the suction effective mandibular denture technique and lectures as well as gives hands-on courses to dentist around the region.

Synopsis: :

Although removable prosthodontics might not be the first choice for many patients today, this lecture talks about how we can use the fundamentals of removable prosthodontics in treating patients who require removable, fixed as well as implant prosthodontics.

We will be examining the importance of looking at midlines, occlusal plane, occlusal vertical dimension as well as lip support.

A discussion of how we use these fundamentals on a few patients and how their problems were solved with the help of conventional as well as CAD-CAM technology.

Lastly, we will explore some of the technology available for removable prosthodontics which were debut at this year's Chicago Midwinter meeting 2020.

Name**: Assis. Prof. Dr Alex Yunn-Jy Chen**

Affiliation: National Taiwan university

Lecture Title: Why do some occlusal theories puzzle us?

Biography: Alex YJ Chen has graduated from the Dental school of the National Taiwan University in 1998. Then started his resident training in the National Taiwan University Hospital. Since he has shown great interests in the filed of TMD and Occlusion, he has his post-graduate traning in University of Zurich under the guiding of Professor Dr. Sandro Palla. During his staying in Switzerland between 1992 to 2000, he has started the studies of magnetic resonance imaging (MRI) in the masticatory system. He is one of the pioneers in developing true dynameic MRI of the human temporomandibular joint (TMJ). Based on thses studies, Dr. Chen has obtained his Dr. med. dent. in 2000 at the University of Zurich. From 2002, he has started his academic carrier in the Dental School of the National Taiwan University. His major clincial and research interests are in removable prosthdontics, dental occlusion, TMD and orofacial pain, and sleep apnea. Now he is assistant professor in the Dental school, and as the director of Prosthetic Dentistry of the National Taiwan University Hospital. He is also the immediate past president of the the Asian Academy of Orofacial Pain and Tempormandibular Disorders (AAOT, former known as Asian Academy of the Craniomandibular Disorders, AACMD).

Synopsis: :

Dental occlusion might be one of the most confused dental curriculums. It is probably at least due to the following reasons:

1. Linking the dental occlusion to the etiology of temporomandibular disorders
2. Believed the osseous morphology of the TMJ governing the jaw movements
3. Incomplete jaw movement recording used to simulate the mastication on articulators
4. Confusion between physiological occlusion and therapeutic occlusion

In this talk I will explain the above-mentioned problems, and wish, in the end of the presentation, we can know how to face the imperfectness of the traditional dental occlusal theories.