

1st MAY 2021

Orchard Hotel Singapore



Navigating the Confluence of Digital Technology and Biologics

Preliminary Announcement

WEBINAR PROGRAMME

Beyond Bone Grafting the next Frontier (Part 1) Beyond Bone Grafting the next Frontier (Part 2) Speaker: Prof Teoh Swee Hin

The potential of graphene in enhancing osteogenesis and decreasing implant infection Speaker: A/Prof Vinicius Rosa

"The Good, The Bad and the Ugly" – A Review of Current Trends in Endodontic Practice Speaker: A/Prof Patrick Tseng

Peri-implantitis: from assessment using digital dentistry to management Speaker: Dr Wong Li Beng

Managing Full and Partial Thickness Flaps with a Focus on Histology Speaker: Dr Benjamin Tan

Immediate implant placement with digital tools: Current concepts and chairside management Speaker: Dr James Lee

Managing Hard and Soft Tissues Distal to the Lower Second Molars Speaker: Dr Erica Anwar

The Use Of An Intraoral Scanner In Prosthodontics Speaker: Dr Kelvin Khng

Digital orthodontic treatment – When aligners are not giving you the result as planned, who or what is responsible for the failure? Speaker: Adj A/Prof Loh Kai Woh

Nerve injuries in Dentoalveolar surgery: How to stay out of trouble? How to manage if it occurs? Speaker: Cl A/Prof Andrew Tay

The Importance of Soft Tissues Around Teeth and Dental Implants Speaker: Dr Fu Jia Hui

Use of botulinum toxin to improve your clinical practice. Assessment, indication, and complication. Speaker: Dr Daniel Chang

Controlling the Outcomes in Total Immediate Implant-based Rehabilitation Speaker: Dr Alex Fibishenko

Preventing Prosthetic Complications Using Digital Occlusion Analysis Speaker: Dr Robert Kerstein

CBCT, IDN during wisdom tooth removal Speaker: Dr Bertrand Chew

Long term stability success with Camlog Screw Line Speaker: Dr Mario Beretta

Digital workflow with Camlog Screw Line Speaker: Dr Mario Beretta

A Sustainability Journey - From a Dental Company's Perspective Speaker: Dr Sanjay Haryana

Leveraging Digital Orthodontics for Comprehensive Dentistry into your practice. Speaker: Dr Rohit Chaturvedi

Programme is updated as of March 2021 and is subject to change without prior notice



INTRODUCING OUR SPEAKERS





Team approach to Full Arch Implant Patients

This 2 hour webinar will focus on Full--arch treatment options and current restorative material selection. We will review diagnosis and team treatment planning. A discussion on work-flows and treatment costs will be discussed.

- Understand the role of team in the digital world and the role to be undertaken by the surgeon, restorative dentist and laboratory technician
- Review and analyze appropriate information flow in digital dentistry chain and how to ensure effective information transfer
- Identify the clinical and laboratory benefits
 related to the incorporation of digital dentistry
- Describe how accepted treatment philosophies and protocols can be incorporated and preserved within the digital treatment chain

Dr Harris started in Dentistry as a fixed crown and bridge technician. His interest in Dentistry grew and led him to pursue his DMD degree at the University of Louisville School of Dentistry (ULSD) where he graduated in 2004. He immediately pursued his Prosthodontic residency at the University of Texas Health Science Center at San Antonio (UTHSCSA) where he focused on implant dentistry. While in residency he also earned his CDT credential in Crown and Bridge. Upon graduation in 2007 Dr. Harris returned to teach at Louisville. In 2011 he helped establish the ULSD's Advanced Education in Prosthodontics Program. Dr Harris left for private practice 2017 where he maintains a full-time practice limited to implant, fixed and removable Prosthodontics.



The potential of graphene in enhancing osteogenesis and decreasing implant infection

Graphene is a single atomic sheet of conjugated carbon atoms. It is the thinnest, lightest, and maybe the strongest material known. The films and scaffolds have been shown to induce osteogenic differentiation of stem cells and to bone formation when deposited on biomedical titanium alloys. Notably, graphene nanocoating on titanium can significantly decrease the attachment of microorganisms and the formation of biofilms from fungi, gram-positive and gram-negative bacterial strains without the use of chemicals or antibiotics. These exciting findings open avenues for the use of graphene nanocoating to improve the osteointegration and to decrease infection and loss of implants.

A/Prof Rosa is an Associate Professor at the Faculty od Dentistry, NUS. He obtained his DDS (Doctor of Dental Surgery) from the University of Passo Fundo in 2005 when he received the "Academy of Dental Materials Student Award", an award presented by the Academy of Dental Materials to the most outstanding student researchers in the field of Dental Materials.

He joined University of São Paulo in the same year to pursue a master degree in Dental Materials. In 2007, the work from his dissertation received the George C. Paffenbarger Student Research Award, an award offered by the Academy of Dental Materials to recognize the best paper in the field of Dental Materials annually. After obtaining MSc in 2007, he joined the PhD program in Dental Materials in University of São Paulo. The thesis was developed in collaboration with the Department of Cariology, Restorative Sciences, and Endodontics of University of Michigan under the guidance of Dr Jacques E. Nör. After graduating with PhD in 2010, Dr Rosa joined University of Passo Fundo where he worked as a lecturer till 2012. In the same year, he joined National University of Singapore. In 2014, Dr Rosa was appointed as a Faculty by the Centre for Advanced 2D Materials and Graphene Research Centre and Department of Material Science and Engineering, NUS. He currently serves as Associate Editor for Journal of Prosthodontics and Editorial Board Member for Dental Materials.



"The Good, The Bad and the Ugly" – A Review of Current Trends in Endodontic Practice

The Science and Practice of Endodontics is constantly changing.

Recent advances and developments in the diagnosis, instrumentation, irrigation and root filling techniques have raised whether they are a 'boon' or a 'bane'?

This lecture will list some of these advances and changes in clinical practice and assess the 'Good, the Bad and the Ugly' of Endodontic practice.

Learning objectives:

- 1. Know some of these advances and changes in current Endodontic practice
- 2. Understand some 'pitfalls' when using these advances inappropriately in clinical practice
- 3. Able to distinguish and balance these advances to achieve clinical excellence

A/Prof Patrick Tseng is the Assistant Chief Executive, Group Dental Services of the National University Health Systems (Singapore) and an Associate Professor in the Division of Endodontics, Operative Dentistry and Prosthodontics at the National University of Singapore (NUS). He is also a Senior Consultant at the National University Centre of Oral Health Singapore (NUCOHS).

He received his BDS from the National University of Singapore in 1985 and obtained his Masters of Science in Endodontics with Distinction from the University of London in 1990. He was the Chief Dental Officer at the Ministry of Health of Singapore and the Registrar of the Singapore Dental Council from 2006-2018. He was the inaugural Chairman of the Dental Specialist Accreditation Board of which he is still a member and also a member of the Healthcare Ethics Capability Committee of the Ministry of Health. He is also a member of the Committee of the Postgraduate Endodontic Residency Programme of the National University of Singapore.

A/Prof Tseng has lectured and conducted hands-on and continuing education courses extensively both locally and internationally and for his dedicated service to the Ministry of Health, A/Prof Tseng was awarded The Public Administration Medal (Silver) and The Long Service Medal at the National Day Awards in 2014.



Controlling the Outcomes in Total Immediate Implant-based Rehabilitation

Our patients don't just want "implants". What they want is the ability to smile and function with confidence, and uncomplicated possibilities in the event of failure. Our patients know that as dentists we are capable of "dental treatment", ...but what they actually need is a "solution" which does not merely replace one problem with a different problem.

The trend in full arch rehabilitation has been to use fewer implants and load them immediately. In pushing the boundaries of clinical therapy, bone grafting and other adjunct surgical and restorative techniques offer tremendous benefits in managing contingency and facilitating the most ideal implant placement for predictable aesthetics and optimal function, comfort, hygiene and longevity. Along with evolution in techniques and technology that help us to treat more patients more successfully with dental implants there has also been a significant evolution in patient expectations and in the definition of what is in fact "success".

This lecture will explore potential complications in full arch rehabilitation on implants and a means to control the outcome with a digital workflow along with surgical and restorative techniques to achieve predictable results when treating the edentulous, as well as those with failing dentitions.

Dr Alex Fibishenko Having attained his primary dental qualifications from the University of Melbourne in 1995 with accolades in Oral Surgery and Prosthodontics, Dr. Alex Fibishenko is one of today's most respected implant surgeons, innovators and educators. His practice is uniquely exclusive to Oral Implantology and Reconstructive Dento-Facial Surgery.

A key opinion leader, Dr Fibishenko is visiting lecturer at NYU College of Dentistry Linhart CDE Program, and a frequently invited speaker at universities and conferences internationally on advanced surgical concepts in dental implants and tissue augmentation.

Dubbed as on one the fathers of the All-On-4 treatment and known for introducing the 'Plus' factor and other innovative grafting and Zygoma techniques, Dr Fibishenko also developed a unique system to enable the delivery of immediate teeth that are final.

Dr. Fibishenko is the founder of All-On-4 Clinic, which has numerous facilities throughout Australia and New Zealand. His limited Clinical Residencies at his purpose-built facility in Melbourne have received high acclaim from all parts of the world and have welcomed some of the world's leading implantologists, specialists and university professors.

"Just because the clinical situation is different does not mean that patient expectations are different, and it doesn't change the definition of success or eliminate any of the parameters that are required to achieve it."



Peri-implantitis: from assessment using digital dentistry to management

The rising prevalence of peri-implantitis has resulted in greater attention to this chronic condition, with its eventual inaugural classification being announced in the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions. This presentation will focus on the current evidence on the use of digital dentistry in assessing disease progression, as well as the biological considerations in its management.

Dr Wong Li Beng is a Consultant and Periodontist at Ng Teng Fong General Hospital and Jurong Medical Centre in Singapore. He is currently the Director of Service for Preventive Dentistry. He obtained his Bachelor of Dental Surgery degree from the National University of Singapore (NUS) in 2005. He went on to pursue his post-graduate training in Periodontology and graduated with a Master of Dental Surgery degree in 2010. In the same year, he obtained his fellowship from the Royal College of Surgeons of Edinburgh (United Kingdom). In 2012, he received the certificate of Specialist Registration with Singapore Dental Council as a Periodontist. In 2013, he obtained his fellowship from the Academy of Medicine, Singapore. Besides Dentistry, he also obtained his Graduate Diploma in Acupuncture in 2011 from the Singapore College of Traditional Chinese Medicine (TCM). He is currently a registered Acupuncturist with the TCM Practitioners Board.



Managing Full and Partial Thickness Flap with a Focus on Histology

Contemporary periodontics and implantology place heavy demands on flap design. For Guided Bone Regeneration and Periodontal Plastic Surgery to be successful and predictable, it is insufficient to only know where to place the flap incisions. The depth to which one makes those incisions also matter. A focus on the histology of the oral soft tissue will aid the clinician design periodontal flaps in 3 dimensions.

The speaker will share how he manages Free Gingival Grafts, Coronally Repositioned Flaps, Connective Tissue Grafts and Apically Repositioned Flaps.

Adj A/Prof Benjamin Tan is a Dental Specialist in Periodontology in private practice and adjunct Associate Professor at the National University of Singapore. He has been involved in various leadership roles in the development and training of dentists in the fields of Periodontology and Dental Implantology in Singapore since 2000.

He received his Bachelor of Dental Surgery from NUS in 1996. He studied under Professor Maurizio Tonetti while at the Eastman Dental Institute, University College London, and received his Master of Science and Master of Clinical Dentistry (with distinction) in Periodontology in 2000.



Beyond Bone Grafting the next Frontier

The gold standard of bone graft materials has been autogenous bone as it contains viable cells (osteogenesis), growth factors such as BMP (osteoinduction) and a large surface area for bone ingrowth (osteoconduction). However, the need of a second surgery, difficulty of shaping to specific defect and the possibility of resorption have damped the use and alternatives are being sort after. Tissue engineering holds the key to body parts replacements. It has been heralded as the new wave to revolutionise the healthcare biotechnology industry especially with the new innovation in 3D printing technology. This is a highly multidisciplinary field and involves the integration of engineering principles, basic life/clinical science, and molecular cell biology. The aim of tissue engineering is to restore, maintain, or improve tissue and organ functions with minimal host rejection. The present talk will focus on the challenges and the next frontier in developing a platform technology which integrates medical imaging, advance manufacturing and electromagnetic field to produce 3D porous scaffolds for tissue engineering of bone as applied to dentistry, craniofacial surgery and long bone. Numerous clinical case studies will be shown. It has been well established, apart from biochemical, mechano-induction of osteoblast to express the appropriate extra cellular matrix needs to be addressed in the design of new load bearing scaffolds. The design philosophy of creating a bioresorbable scaffold with high surface energy, interconnected porosity that traps cells and promote angiogenesis, growth factors and eventually dissolves into carbon dioxide and water is elaborated. The use of bi-axial bioreactor to generate bone outside the body is illustrated. Bone is piezoelectric and recent work on applying electromagnetic field shows promising results and new thinking in bone grafting technology.

Teoh Swee Hin, a Professor at School of Chemical and Biomedical Engineering (SCBE) and Lee Kong Chian School of Medicine (LKC Med) at Nanyang Technological University (NTU) is the recipient of the President Chair of SCBE. He is well known for his excellence in teaching, research and entrepreneurship. He is remembered for his outstanding contribution to the development, commercialization and clinical translation of 3D bioresorbable scaffolds globally. Majoring in Materials Engineering (B. Eng -1st Class Hon and PhD, Monash University), his research journey focused at translating the materials research to biomedical benefits. He is a Fellow of the Academy of Engineers Singapore. Prof Teoh is one of a few who has brought research from lab to clinic and to public listing.

Prof Teoh is a global pioneer in adopting 3D printing technology for fabrication of clinical scaffolds To-date, Osteopore Internationals his spin-off has implanted in more than 30,000 patients globally. The company has been successfully IPO in 2019 His pioneering work on 3D printed scaffold led to him receiving the prestigious "Golden Innovation Award" at the Far East Economic Review, and the Institute of Engineers "Prestigious Engineering Achievement Award" in 2004. He was honoured with the Special Award for "Scientific Life-Time Achievement in Bone Tissue Engineering" at Bone-Tec 2015, Stuttgart. As a part of SG50 celebrations, he was featured as one of Singapore's profiled scientists in the book titled "Singapore's Scientific Pioneers". Recently, his team was awarded the "Patent for Good Award 2018" from Intellectual Property Office of Singapore. Presently, he focuses on regenerative medicine research from tissue engineering bone and skin to biomimetic bioreactors to fish collagen, decellularized organs and artificial egg shells, with a dream to eventually translate them clinically. With over 270 research publications and 22 patents and technical disclosures, he is a forerunner of translational regenerative medicine. He has won numerous "Excellent Teaching Awards" for his passion in teaching.



Immediate implant placement with digital tools: Current concepts and chairside management

Immediate implant placement following extraction has been considered an acceptable and predictable treatment modality with current evidence. By preserving the papilla height, the higher median PES can be achieved for aesthetic cases than delayed placement, with good success rate reported in literature. The advantages of immediate placement include reducing total treatment time, reducing the loss of soft and hard tissue and increasing patient's psychological satisfaction. The challenge can be very technical sensitive and requiring collaboration on multiple disciplines. First, it requires the surgeon to have the skill of atraumatic extraction to preserve the buccal plate and/or septum, good judgement of the angulation for the osseotomy and guick response to any complications. Second, if tissue aesthetics is potentially compromised, a delicate grafting technique will be involved. Finally, a good understanding by the restorative dentist of tissue response and emergence profile to modify the tissue with the immediate restoration, which is crucial for the anterior aesthetic cases. In the past decade, the surgical and prosthetic procedures have been updated and improved. Although challenges persists, with current digital CAD/CAM tool, surgeons and restorative dentists can have a better analysis and planning prior to the procedure followed by a precise execution. This presentation will show a step-by-step process on how digital tools can improve the precision of immediate implant treatment. A detailed dialogue between the surgical and restorative perspectives during the planning, surgical and restorative stages will also be presented. Possible complications and how they could be managed will also be discussed.

Dr James Lee received his Magna Cum Laude Doctorate of Dental Medicine Degree from Boston University in the United States, followed by one year of training in the Prosthodontics Department at University of Illinois at Chicago. He then conducted dental implant and biomaterial researches at Tokyo Medical and Dental University in Japan where he received a PhD in Prosthodontics.

His greatest interest is in the development of CAD/CAM digital implant dentistry and its application into surgical and restorative procedures. Dr James Lee currently maintains a full-time private practice in Singapore and is a frequent speaker in international dental conferences.



Managing Hard and Soft Tissues Distal to the Lower Second Molars

The distal aspect of the lower second molar often experiences extensive pathology due to the frequent presence of impacted wisdom teeth, as well as due to limited oral hygiene access. This lecture aims to discuss practical aspects to managing hard and soft tissue issues at this region - in particular, steps one can take when managing a deep periodontal pocket, as well as hard and soft tissue management when access to the distal aspect of the tooth is required for restorative management. Learning objectives:

- Managing deep periodontal probing depths distal to the lower second molars
- Indications and management for crown lengthening surgery distal to the lower second molars when a restoration is required

Dr Erica Jade Anwar obtained her dental degree in 2011 from the University of Western Australia and joined a Private practice as a General Practitioner since 2012. She subsequently obtained her Masters degree in Periodontology in 2020 from the National University of Singapore.



The Use Of An Intraoral Scanner In Prosthodontics

With the increase popularity of digital dentistry in today's practice, find out how with the help of the 3shape intraoral scanner, we can treat simple and complex prosthodontic patients predictably.

The patient's treatments shown in this lecture will include a few veneers, surveyed crowns, immediate 3D printed complete dentures as well as full mouth rehabilitation showing the versatility of these intraoral scanners.

Dr Kelvin Khng, B.D.S, M.S graduated from the National University of Singapore, Faculty of Dentistry in 2006. In 2009, Dr Khng pursued 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 International 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 also an instructor for the suction effective mandibular denture technique and lectures as well as gives hands-on courses to dentist around the region.



Digital orthodontic treatment – When aligners are not giving you the result as planned, who or what is responsible for the failure?

With the rapid advancement in digital dentistry, more dentists are jumping into the digital orthodontic bandwagon, especially the younger generation of dentists, who are very computer savvy.

What if the aligner treatment is not progressing as well as it should be? What if the molars are tipping, posterior open bite developing, roots are moved out of the alveolar bone, crowding not corrected or spaces that are not closing? It is important to ensure such problems do not happen and if they happen, how to overcome them. Choosing an appropriate case according to one's clinical experience and competence is especially important to ensure excellent result in digital orthodontic treatment.

Dr Loh was a full time instructor at the National University of Singapore till 1986. He initiated the formation of the Orthognathic Centre in 1983 at the University of Singapore to cater for treatment of patients with dento-facial deformities and was appointed as coordinator of the Orthognathic Centre.

He founded the Association of Orthodontists, Singapore in 1991. He was the President, Asian Pacific Orthodontic Society 2010-2012. He was the President of the Asian Pacific Orthodontic Society. Dr Loh has given more than 100 presentations in 24 countries including - Australia, Bangladesh, Cambodia, China, Hong Kong, India, Indonesia, Japan, Macau, Malaysia, Mexico, Myanmar, Nepal, Nigeria, Pakistan, Philippines, Russia, Singapore, Sri Lanka, South Korea, Taiwan, Thailand, United States of America and Vietnam.



Nerve injuries in Dentoalveolar surgery: How to stay out of trouble? How to manage if it occurs?

Injuries to the inferior alveolar nerve and the lingual nerve are well known complications of oral surgical procedures including third molar surgery, implant surgery, and bone grafting for implants. While these are uncommon, they do occur from time to time, with negative impact on the patient's quality of life and prolonged consternation on the part of the dentist. This lecture aims to review the potential pitfalls and danger signs that are associated with high risk of nerve injury, and measures that may obviate this risk.

Adj A/Prof Andrew Tay graduated from the National University of Singapore (NUS) with the Bachelor in Dental Surgery (BDS) in 1989. He did his oral surgical residency at the Government Dental Clinic from 1991 to 1994. He was awarded the Master in Dental Surgery (MDS) by the National University of Singapore, and the Fellowship in Dental Surgery (FDS) by the Royal College of Surgeons of Edinburgh in 1994. He was elected a Fellow of the Academy of Medicine, Singapore in 1999. Cl A/Prof Tay trained in the management of trigeminal nerve injuries in the orofacial region under the Ministry of Health HMDP programme at the University of North Carolina from 2001 to 2002. He is currently a Senior Consultant at the Department of Oral & Maxillofacial Surgery, National Dental Centre, Singapore (NDCS) and Singapore General Hospital (SGH). He serves as Associate Director, MDS OMS Residency Programme at the Faculty of Dentistry, NUS. He is also a Visiting Consultant at the Singapore National Eye Centre, where he operates as a member of the OOKP Team.



Singapore

The Importance of Soft Tissues Around Teeth and Dental Implants

Keratinized, attached and thick soft tissues is desired around teeth and dental implants as it is associated with improved oral hygiene and reduced tissue inflammation. Therefore, it is imperative to recognize the need for soft tissue regeneration in the promotion of oral health. This presentation will attempt to highlight the importance of the soft tissue cuff around teeth and dental implants and discuss the pertinent surgical principles that will aid in achieving clinical success in soft tissue regeneration. Learning objectives for the participants:

- Understand the importance of soft tissues around teeth and dental implants
- The indications for soft tissue regeneration
- The guiding surgical principles in soft tissue regeneration
- The characteristics of autogenous grafts and soft tissue substitutes

Dr Fu Jia Hui is a Senior Lecturer and Consultant in the Department of Periodontics at the National University of Singapore (NUS). She received her dental education at NUS and specialty training in Periodontics at the University of Michigan, Ann Arbor, USA. She is a Diplomate of the American Board of Periodontology and Academy of International Congress of Oral Implantologists and a member of the Expert Council in the Osteology Foundation. Besides being a recipient of several academic and research awards, one of which was the 2014 ITI Andre Schroeder Research Prize, Dr Fu has also published widely in internationally recognized peer-reviewed journals and co-authored book chapters in the field of Periodontics and Implant Dentistry.



Use of botulinum toxin to improve your clinical practice. Assessment, indication, and complication.

The assessment, indication and complication management forms the major tenets of successful botulinum toxin use. This lecture will focus on the following:

- 1. Patient assessment and consultation for botulinum toxins
- 2. Indications and contraindications for these pharmaceutical agents
- 3. In-depth instruction in the anatomy, neuro physiology, musculature and circulatory system of the oral and maxillofacial areas
- 4. Patient evaluation for the best dental and facial esthetic and therapeutic outcomes
- 5. How to avoid, manage, and treat possible adverse reactions and complications

Dr Daniel Chang is a medical esthetic doctor with more than a decade of experience. After he graduated from NUS medicine, he pursued his postgraduate studies at the Royal College of Surgeons Ireland in 2011 and attained a First Fellowship from the Royal College of United Kingdom in 2014. He subsequently completed a Master of Science in Aesthetic Medicine with Queen Mary University of London with Distinction in 2017.

Outside of his clinical practice, Dr Daniel Chang believes in giving back to the community. He teaches doctors in the region in advanced Medical Aesthetic Treatments and also founded a regional clinical thinktank, Asia Aesthetic Society and a probono mental health awareness grassroots project LivesofSG. Passionate about his profession, he has authored multiple articles and sits on the Editorial Board of International Peer-reviewed Journals. In 2018, he was one of the few doctors in Southeast Asia who received the Realself Top doctor accolade for his contributions to patient care and education.



Preventing Prosthetic Complications Using Digital Occlusion Analysis

Prosthetic failures can be caused by a number of variables. Research is showing the significant impact of occlusion in these cases. In this webinar, renowned occlusion expert Dr. Robert Kerstein will show you where technology can enhance and improve your treatment success. In this webinar, renowned occlusion expert Dr. Robert Kerstein will show you...

- Case examples where digital technology is used for occlusal analysis
- How to correct occlusal imbalances with the help of this technology
- How to ensure lasting prosthetic and implant treatments

Dr Kerstein received his D.M.D. degree in 1983, and his Prosthodontic certificate in 1985, both from Tufts University School of Dental Medicine. From 1985–1998, he maintained an active appointment at Tufts as a clinical professor teaching fixed and removable prosthodontics in the Department of Restorative Dentistry. Dr Kerstein has conducted original research regarding the role that occlusion and lengthy Disclusion Time plays in the etiology of Chronic Occlusal-Muscle Dysfunction and is recognized as a leading author and researcher in the field of Computerized Occlusal Analysis. He has published forty-five peer reviewed publications and authored four textbook chapters that highlight computerized occlusal analysis technology.



CBCT, IDN during wisdom tooth removal

The invention of Cone Beam Computer tomography CBCT allows dentist to visualise the path of the Inferior Dental Nerve(IDN). This helps the dentist to plan the removal of the wisdom tooth with the least chance of injuring the IDN.

Dr Bertrand Chew obtained his Basic Dental degree from NUS in 2001.He went on to become a fellow of the Royal Australian College of Dental Surgeons Masters in Dental Surgery (OMS) in 2006. His MDS was sponsored by the NHG(Alexandra Health) from the second year. He is now an accredited Oral and Maxillofacial Surgeon and obtained the Fellowship of the Academy of Medicine, Singapore. In 2012, he obtained the SAF Overseas Fellowship to further specialise in implantology at UCLA, USA. He is now in private practice.



A Sustainability Journey - From a Dental Company's Perspective

Today everyone is talking about sustainability and sustainable development, but what is the meaning of sustainable development? Sustainability entails so much more than recycling and protecting the environment, and it can be hard to keep up since the field is moving forward so quickly. Most dental companies strive towards a more sustainable organization today that can be confused with companies' environment impact. Environment is an important factor in sustainability, yet only the tip of the sustainability iceberg. To create a sustainable company, we must work on many levels and in conjunction with UN's sustainable development goals.

Aims :

- To provide an overview of sustainability from a commercial perspective
- Present TePe's sustainable product range
- Discuss how the dental profession can move towards a more climate and environmentally friendly way of practicing

Learning outcomes :

- · Have an understanding of the terminology used in communicating sustainability
- Be able to discern the difference between the terms 'climate friendly' & 'environmentally friendly'
- Understand the relevance of the sustainability journey in TePe's product development process in developing oral hygiene tools.
- Be aware of the climate and environmental impact of dental practice

Dr Sanjay Haryana graduated 2002 from Malmö University, Faculty of Dentistry. He worked privately in Malmö, Sweden, in a practice with focus on dental implants. In 2005 he moved to London and worked for an independent private group-practice in the city of London, where he also acted as the clinical director and principal dentist. During his years in London, he completed a MSc and an EMBA. When he returned to Sweden in 2018, he joined TePe Oral Hygiene Products as their Odontology and Education Specialist, responsible for internal and external education. 2021 he moved to TePe's regional support office in Singapore – to further support the Asian markets. Dr Haryana lectures internationally with topics connected to oral hygiene, compliance, and sustainability.



Leveraging Digital Orthodontics for Comprehensive Dentistry into your practice.

In comprehensive dental care, aesthetics, function and health are three important pillars. Many a times pre-restorative alignment is a foundation stone to achieve a successful long-term restorative outcome. Dental comprehensive together with care pre-restorative orthodontics enables clinicians to have even more control over their multidisciplinary cases. Invisalign Go system can help establish stable, healthy, а and functional occlusion which upon а practitioner can build further restorative work to achieve an enhanced clinical outcome.

Learning objectives

- Ease and benefits of the combination of treatment with Invisalign Go for comprehensive dentistry procedures
- Integrating the digital workflow into your practice. Including diagnosis, use of IOSIM and benefits in using iTero.
- Restorative workflow to manage short clinical crowns or harmonizing pink and white with contouring

Case presentation by the speaker on Orthodontic - Restorative cases

Dr Chaturvedi, originally from the UK, Graduated in Medicine (BMBS) from the University of Nottingham in 2006, embarked upon a surgical training pathway completing his exams for Membership to the Royal College of Surgeons Glasgow in 2010 and then gained admission to the prestigious 3 year Dentistry entry program for medical graduates at Kings College London. In 2014 Dr Chaturvedi became a member of the team at DB Dental (National Dental Care) Claremont in Western Australia. He enjoys all aspects of general dentistry with interests in digitally driven treatment planning, Invisalign clear aligners, aesthetic treatments and health coaching (specific to intra oral health). Dr Chaturvedi is currently an Invisalign Platinum Provider.

More speakers will be introduced shortly

- Dr Paulo Malo
- Dr Elvin Leong
- Dr Mario Beretta
- A/Prof Dr Mas Suryalis Ahmad
- A/Prof Dr Wey Mang Chek
- Mr Stephen van Heerden



SDA Convention 2021 webinar, please refer to the event site at http://www.sdaconvention2021.com