

13th Faculty of Dentistry Symposium

Pain: Inter-Connections in Dentistry and Medicine

Grand Copthorne Waterfront Hotel Singapore
Grand Ballroom, Level 4
392 Havelock Road, Singapore 169663

27 & 28 January 2018
Saturday and Sunday

CPE Points: 13

Pending CME points accreditation

Organised by:



Faculty of Dentistry

Co-Sponsors:



Dear Colleague...



Pain is the most common complaint from patients seeking care from doctors and dentists. Patients and their loved ones, want to know the cause and treatment for these painful conditions that is affecting them. These painful conditions can have tremendous impact on families and the society.

The 13th Faculty of Dentistry Symposium will feature a team of speakers who will share the knowledge of Painful Conditions, as common as Toothache and Headaches to Widespread Pain in the human body.

Thank you for your interest and participation in this annual event. We wish to acknowledge and extend our appreciation to our trade partners for their collaborations and support over the years.

We hope that you will find the programme educational and beneficial.

Dr Tan Hee Hon
Scientific Committee Chairman
13th Faculty of Dentistry Symposium

13th FACULTY OF DENTISTRY SYMPOSIUM PROGRAMME SCHEDULE

DAY 1 (SATURDAY, 27 January 2018)

TIME	TOPIC	SPEAKER
8.00am to 8.30am	Registration	
8.30 am to 8.40am	Opening Address by Dean	Professor Finbarr Allen
Chair: Associate Professor Victoria Yu		
8.45am to 10.15am	Differential Diagnosis of Persistent Pain Following Root Canal Treatment-Odontogenic Causes	Associate Professor Donald Nixdorf
10.15am to 10.45am	TEA & TRADE EXHIBITION	
10.45am to 12.15pm	Temporomandibular Disorder and Chronic Overlapping Pain Conditions	Dr Tan Hee Hon
12.15 pm to 1.30pm	LUNCH & TRADE EXHIBITION	
Chair: Associate Professor Yeo Jin Fei		
1.30 pm to 2.30pm	Chronic Pain as a Disease Entity and Not a Symptom	Dr James Tan
2.30pm to 3.00pm	TEA & TRADE EXHIBITION	
3.00pm to 4.00pm	Psychiatric and Psychological Challenges in Pain Management	Dr Lui Yit Shiang
4.00pm to 5.00pm	Diagnosing Persistent Non-odontogenic 'Tooth' Pain	Associate Professor Donald Nixdorf
5.00pm	End of Programme	

DAY 2 (SUNDAY, 28 January 2018)

TIME	TOPIC	SPEAKER
8.00am to 8.30am	Registration	
Chair: Associate Professor Catherine Hong		
8.30am to 9.30am	How Applicable Are Pragmatic Trials?	Associate Professor Donald Nixdorf
9.30am to 10.00am	TEA & TRADE EXHIBITION	
10.00am to 11.00am	Pragmatic Trials in Pain Research – Discussion of Ongoing National Dental PBRN trials	Associate Professor Donald Nixdorf
11.00am to 12.00pm	Gut-Brain-Microbiota Interaction in Irritable Bowel Syndrome	Dr Kewin Siah
12.00pm to 1.30pm	LUNCH & TRADE EXHIBITION	
Chair: Dr Tan Hee Hon		
1.30pm to 2.30pm	Neuropathic Pain – Diagnosis and Management	Dr Tay Kwang Hui
2.30pm to 3.00pm	TEA & TRADE EXHIBITION	
3.00pm to 4.30pm	Individualising Care to Optimise Outcomes for Patients with Chronic Orofacial Pain Q&A	Associate Professor Donald Nixdorf
4.30pm	End of Programme	

Speaker Profile



Associate Professor Donald Nixdorf DDS, MS

Dr Donald Nixdorf graduated from the University of Alberta, Faculty of Dentistry in 1996. He then completed a residency in hospital dentistry with a Masters at The Ohio State University, Anesthesia fellowship at Johns Hopkins University, Orofacial Pain fellowship at the University of Alberta, an internship within the Summer Institute in Clinical Dental Research at the University of Washington, and was a visiting research fellow at the University of Oxford with Dr Irene Tracey's group at FMRIB. Recently he completed a Master of Science in Clinic Research, UMN School of Public Health, as a part of his NIH-funded K12 training programme.

Dr Nixdorf is an Associate Professor, Division Director, and past Graduate Programme Director at the University of Minnesota in the Division of TMD & Orofacial Pain. He is also an adjunct Assistant Professor in the Department of Neurology, Research Investigator in the HealthPartners Institute for Education and Research, and the Deputy Director of the Midwest Region within the National Dental Practice-Based Research Network. Dr Nixdorf is a Diplomate of the National Dental Board of Anesthesiology (NDBA) and the American Board of Orofacial Pain (ABOP). Furthermore, he is a past Chair of the Written Examination Council for the ABOP, past Director of the ABOP, a current member of the Trigeminal Neuralgia Association's Medical Advisory Board, and the co-chair of the Taxonomy Committee of the International RDC/TMD Consortium.

Dr Nixdorf is active in research with past and current funding support from the National Institutes of Health (NIH) and foundations. His research is focused on the topic of persistent non-odontogenic "tooth" pain, looking at issues related to classification (e.g., consensus building), diagnosis (e.g., development of criteria, imaging, screening questionnaires), epidemiology, (e.g., determining predictive factors, assessing of impact), exploration of mechanisms (e.g., sensory testing, functional imaging), and treatment options (e.g., clinical trials).

Dr Nixdorf also maintains a clinical practice restricted to the diagnoses and management of chronic TMD pain, headaches and neuropathic pain. He sees patients within the multi-disciplinary TMD, Orofacial Pain, and Dental Sleep Medicine Clinic at the School of Dentistry as well as within the M-Heath hospital system in conjunction with physician and pharmacy colleagues.

Lecture Synopsis

Differential Diagnosis of Persistent Pain Following Root Canal Treatment

Using root canal treatment as a model of surgical pain in humans, this lecture will review the common and uncommon reasons pain persists following root canal treatment. It will also review the diagnostic process, classification of orofacial pain, and highlight the level of evidence related to supporting the ability to accurately categorise patients with orofacial pain complaints.

Diagnosing Persistent Non-odontogenic 'Tooth' Pain

The complaint of 'tooth' pain is one of the most common reasons why patients seek dental care. While dentists are well equipped to address pain arising from odontogenic etiologies, they are less so when the patient's complaint of 'tooth' pain is not the emanating from the tooth in question - or any tooth at all. This lecture covers the necessary clinical information that needs to be collected to diagnose the majority of non-odontogenic etiologies for pain presenting as emanating from a tooth when the source is not the tooth.

How Applicable Are Pragmatic Trials?

This lecture will review what a pragmatic trial is and what it is not, as well as discuss the advantages and limitations of this approach to addressing research questions.

Pragmatic Trials in Pain Research - Discussion of Ongoing National Dental PBRN trials

Following the previous presentation on the topic of pragmatic trials, this lecture will dive deeper into the topic with an emphasis of how previous trials inform the development of future trials. Also, this lecture will detail an ongoing study assessing pain following root canal treatment and report on emerging data from that trial.

Individualising Care to Optimise Outcomes for Patients with Chronic Orofacial Pain

In an effort to tie all the topics presented together, this lecture will stress the connection between diagnosis, as well as contributing factors, and treatment outcomes. It will include examples from clinic practice and research trials to elaborate on how this may be put into action within regular practice.

Speaker Profile



Dr Tan Hee Hon
MDS (Prosthodontics), BDS

Dr Tan Hee Hon has been a practitioner in the fields of Prosthodontics, Implant Dentistry and Orofacial Pain.

He earned his BDS from National University of Singapore in 1989 and completed his Prosthodontics Residency Programme in 1995. In 1999, he spent a sabbatical year under another sponsorship of Health Manpower Development Programme for the Study of

Orofacial Pain.

After working at the Oral Medicine Department, School of Dentistry, University of Washington, he returned to National Dental Center and became the Head of Orofacial Pain Management Programme. From 2004 to 2014, he was in full time private practice at Mount Elizabeth Medical Center. He is appointed to be a trainer for NobelGuide Concept and Mentor for NobelBiocare Implants educational programme in 2005.

Dr Tan maintains his passion for education. His lecture topics include implant dentistry, prosthodontics and orofacial pain/temporomandibular disorder. In 2014, his enthusiasm for education and research of Prosthodontics and Orofacial Pain prompted him to join National University of Singapore, as a full time member of the Faculty of Dentistry.

Lecture Synopsis

Temporomandibular Disorder and Chronic Overlapping Pain Conditions

Temporomandibular Disorders (TMD) is a group of Musculoskeletal Painful Conditions that affect the Stomatognathic System. Often patients who suffer from TMD are affected by other chronic painful conditions. The understanding of the inter-relationships of these painful conditions can affect our management of Temporomandibular Disorders in the dental practice. The comprehension of Temporomandibular Disorders will allow a better understanding of Chronic Pain.

Speaker Profile



Dr James Tan Wen Tien

**MBBS (London), MMed (Anaesthesiology)
FANZCA (Anaesthesiology, Australia and New Zealand)**

Dr James Tan received his basic medical education in the United Kingdom at the University of Leeds and University College London, where he obtained his MBBS (London) in 1998.

On returning to Singapore, he decided to train in Anaesthesia obtaining his Masters of Medicine (Anesthesiology) in 2004 and his specialist accreditation in 2006. He is also a Fellow of the

Australian and New Zealand College of Anaesthesia (FANZCA).

His background in Anaesthesia spurred his interest in pain medicine and he has been actively involved in pain medicine at both hospital and national level since 2004. He was awarded the HMDP scholarship to pursue pain medicine in Australia in 2009 and trained at the Royal North Shore Hospital in Sydney under the mentorship of Prof Michael Cousins. His comprehensive training at the well-known pain centre included exposure to the multidisciplinary management of chronic pain conditions and in particular, the ADAPT pain management programme based on cognitive-behavioural principles (headed by A/Prof Michael Nicholas), as well as various advanced interventional procedures performed in the management of refractory pain. He completed his Fellowship in Pain Medicine during his time in Australia.

He is currently Director of the Pain Management Unit, and Senior Consultant in the Department of Anaesthesia (National University Health System). He is also an Assistant Professor at the Yong Loo Lin School of Medicine (National University of Singapore). He served as a council member of the Pain Association of Singapore from 2007 till 2015 and was the scientific chairperson for the ASEAPS 2013 meeting held in Singapore which attracted more than 800 delegates from over 50 countries.

Lecture Synopsis

Chronic Pain as a Disease Entity and Not a Symptom

Acute pain has a useful protective warning function and is thought of as a symptom of underlying injury or disease. It is however wrong to think of chronic pain in terms of longer lasting acute pain. Chronic pain serves no useful physiological function and may not be related to any underlying injury or disease. Our current understanding of the pathophysiology of chronic pain indicates that there are profound changes in the central nervous system in a patient with chronic pain in particular the process of central sensitisation. It is also clear that chronic pain is no different to other chronic diseases

and is able to cause significant impairment to a patient's function and quality of life. The application of the holistic biopsychosocial model of pain to the management of a chronic pain patient leads to the utilisation of a multi-modal multidisciplinary team framework which can significantly help to improve the patient's functioning and quality of life.

Speaker Profile



Dr Lui Yit Shiang

MBBS, M Med (Psych), MRC Psych,

M Sc (Addiction Studies), AKC

Certified substance abuse counsellor (CSAC)

Certified gambling addiction counsellor (CGAC)

Dr Lui is currently working in the department of psychological medicine and has a special interest in transplant psychiatry, addiction medicine and psychosomatic conditions. He manages patients within the medical and surgical disciplines in the hospital with co-morbid substance use disorder. He assists in smoking cessation clinic and sees pre-transplant psychiatric assessments as well as mental capacity assessments for Lasting Power of Attorney (LPA). He is also developing the Addiction Clinic with the goal of building a service in the western corridor of Singapore. He has researched on the attitudes and perceptions of healthcare workers towards their patients with alcohol use problem and is interested in screening and brief interventions for substance use.

Lecture Synopsis

Psychiatric and Psychological Challenges in Pain Management

Severe chronic pain may carry consequences including psychological distress, job loss, social isolation and is highly co-morbid with depression and anxiety. Ignoring psychological component or adopting purely anatomical approach to pain care, may damage therapeutic relationship and introduce mistrust and blame. It demoralises patients who may feel blamed, disbelieved and unhelped. Patients with chronic orofacial pain may present with predominant or attendant psycho-emotional challenges. These challenges will be discussed and may include hypochondriacal presentation like somatisation, disease conviction as well as anxiety disorder. Psycho-pharmacological treatment consideration in this population and pain management from psychiatric point of view will also be touched on.

Speaker Profile



Dr Kewin Siah Tien Ho

MBBS (London)

MRCP (UK), FAMS (Gastroenterology)

Dr Kewin Siah completed his undergraduate studies at Royal Free and University College Medical School (University College London). He had undergone advanced colonoscopy training in Japan (Kyoto Prefectural University of Medicine) as part of the JSGE research fellowship award and received NMRC award to perform Irritable Bowel Syndrome research in world-renowned Oppenheimer Neurobiology of Stress Centre in UCLA (University of California, Los Angeles) where he concentrated on brain-gut-microbiota research. He is currently a gastroenterology consultant at the National University Hospital where he runs the Gastro-Motility Lab and Functional Gastrointestinal Disorders Clinic. He is the Vice President of Singapore's IBS Support Group and an Executive Committee of National Foundation Digestive Disease. He is also a member of the Scientific Committee of Asian Neurogastroenterology & Motility Association.

Lecture Synopsis

Gut-Brain-Microbiota Interaction in Irritable Bowel Syndrome

Irritable bowel syndrome (IBS) is a common functional gastrointestinal disorder characterised by recurrent abdominal pain or discomfort associated with constipation, diarrhea or mixed bowel habits. It is now evident that IBS is a multi-factorial complex of changes in microbiota and gut-brain axis. In Singapore, a recent community study showed that 1 in 5 Singaporean may suffer from IBS. The gut-brain-axis has a central function in the perpetuation of IBS and the microbiota plays a critical role. The gut-brain axis (GBA) consists of bi-directional communication between the central and the enteric nervous system, linking emotional and cognitive centers of the brain with peripheral intestinal functions. Both clinical and experimental evidence suggests that enteric microbiota has an important impact on GBA, interacting not only locally with intestinal cells and ENS, but also directly with CNS through neuroendocrine and metabolic pathways. In clinical practice, evidence of gut-brain-microbiota interactions comes from recent advances in brain imaging and gut microbiota research. In particular, IBS can be considered an example of the disruption of these complex relationships, and a better understanding of these alterations might provide new targeted therapies.

Speaker Profile



Dr Tay Kwang Hui

MBBS (Singapore)

MMed (Anaesthesiology, Singapore)

FANZCA (Anaesthesiology, Australia and New Zealand)

FFPMANZCA (Pain Medicine, Australia and New Zealand)

Dr Tay is a senior consultant with the Department of Anaesthesia in National University Hospital (NUH). He graduated from National University of Singapore (NUS) in 1997 and completed specialty training in Anaesthesiology in Singapore in 2004. He underwent subspecialty training in Chronic Pain management at the Prince of Wales Hospital and Sydney's Children Hospital in Sydney, Australia, in 2008.

Dr Tay has been instrumental in expanding and shaping the multi-disciplinary pain management service of NUH during his term as director of pain management unit from 2010-2016. He is currently the clinical director and oversees the provision of clinical service in the Department of Anaesthesia.

Dr Tay has been involved in undergraduate and postgraduate teaching in anaesthesia, pain management, regional anaesthesia and simulation. He is currently the Chief Examiner of the Master of Medicine Anaesthesiology Examinations in NUS as well as the Chief Examiner for Singapore Anaesthesiology panel for the American Board of Medical Specialties, Singapore.

Lecture Synopsis

Neuropathic Pain: Diagnosis and Management

Neuropathic pain refers to pain arising as a direct consequence of lesions affecting the somatosensory system. Neuropathic pain is often challenging as they are often chronic in nature and respond poorly to conventional analgesics. This talk gives an overview on the clinical features suggestive of neuropathic pain and some of the treatment options for commonly occurring neuropathic pain conditions in the head and neck region.

REGISTRATION DETAILS

Registration Fees

Register before [31 December 2017](#) to enjoy the early bird discount. Registration closes on [10 January 2018](#). For enquiries, please contact:

Ms Doris Wong (Tel: +65 6772 4965; Email: gdssec@nus.edu.sg)

Ms Azlia Aziz (Tel: +65 6772 5258; Email: denaaa@nus.edu.sg)

	Dentists/ Doctor/ Clinician- Scientist	Dental/Medical Auxiliaries/ Nursing/Allied Health	Full-Time Dental/ Medical/Nursing/ Allied Health Matriculated Students
Early Bird Registration Fee	S\$380.00	S\$280.00	S\$230.00
Registration Fee	S\$450.00	S\$300.00	S\$250.00
On-Site Registration Fee	S\$500.00	S\$350.00	S\$300.00

The registration fee includes admission to all the lectures at the 2-day symposium, trade exhibition, as well as lunch and tea for both days. Entry to the symposium is by registration only. On-site registration is subjected to availability of seats. The fees quoted are inclusive of 7% GST.

How to Register

Complete the registration form, including payment of the full registration fees, and mail/fax to:

13th Faculty of Dentistry Symposium Secretariat
Faculty of Dentistry
11 Lower Kent Ridge Road
Singapore 119083
Fax: (65) 6779 6520

For payment of fees, please provide either credit card information or cheque made payable to “**National University of Singapore**”. Please write your name and DCR number at the back of the cheque.

All registrations must reach the Secretariat latest by [10 January 2018](#).

A confirmation letter will be sent upon receipt of the full fee payment.

Cancellation/Refund Policy

Cancellations have to be made in writing. A cancellation fee of S\$50 will be charged for all cancellations requested on or before [10 January 2018](#). There will be no refunds after the closing date.

The organisers reserve the right not to conduct the course if there are not enough participants.

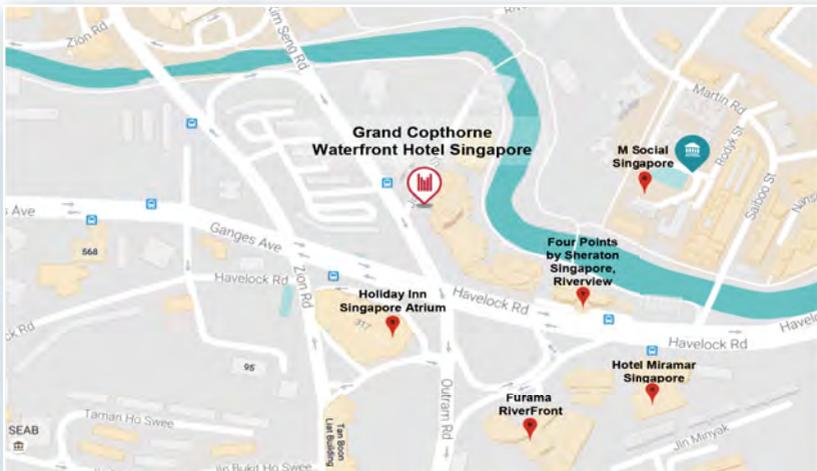
NUS & PDPA: Attendees should be aware that NUS, others on behalf of NUS and third parties may be taking photographs and/or videos during this event. NUS may use such photos and videos for the purpose of NUS publicity, marketing and media/social media. We may identify attendees by name in such media and/or share these with third parties (which may be in or outside of Singapore).

ACCOMMODATION

Below is a list of accommodations that are in the vicinity of the symposium venue. Please contact the hotel's reservation office directly to make the necessary arrangements.

Hotel	Contact for Reservations
 Grand Copthorne Waterfront Hotel Singapore 392 Havelock Road, Singapore 169663	+65 6733 0880 https://www.millenniumhotels.com/en/singapore/grand-copthorne-waterfront/
 Holiday Inn Singapore Atrium 317 Outram Road, Singapore 169075	+65 6733 0188 http://singaporeatrium.holidayinn.com/
 Furama RiverFront 405 Havelock Road, Singapore 169633	+65 6333 8898 http://www.furama.com/riverfront/
 Hotel Miramar Singapore 401 Havelock Road, Singapore 169631	+65 6733 0222 http://www.miramar.com.sg/
 Four Points by Sheraton Singapore, Riverview 382 Havelock Road, Singapore 169629	+65 6732 9922 http://www.fourpointssingaporeriverview.com/
 M Social Singapore 90 Robertson Quay, Singapore 238259	+65 6206 1888 https://www.millenniumhotels.com/en/singapore/m-social-singapore/

Location Map of Conference Venue:





Faculty of Dentistry

13th Faculty of Dentistry Symposium Secretariat
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