



**The College of Dental Surgeons, Singapore (CDSS), in conjunction with 2nd AMM-AMS-HKAM Tripartite Congress  
And 47<sup>th</sup> Singapore Malaysia Congress of Medicine is Proud to Present a Full Day Symposium:**

DATE: 24 August 2013 (Main Congress 23-24 August 2013)

VENUE: Grand Copthorne Waterfront, Singapore

**MAIN THEME: The New Reality in Medicine-Caring for Patients with Multiple Co-Morbidities**  
**SUBTHEME (CDSS): Advancing Together in Clinical Dentistry**

Time: 8.00am- 5.30pm

CPE: 7 points

Congress Entitlements: All lectures, Poster Presentations, 2 Tea Breaks, 1 Lunch

Main Website: <http://www.smcm-ams.com>

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#### **MESSAGE FROM GUEST OF HONOUR, PRESIDENT, SINGAPORE DENTAL COUNCIL**



A warm welcome to all participants attending the 2nd AMM-AMS-HKAM Tripartite Congress and the 47th Singapore-Malaysia Congress of Medicine.

A day has been specially planned for dentists to attend a symposium on "Advancing Together in Clinical Dentistry" This is a very appropriate theme. Development in the practice of dentistry is growing rapidly with the changes made in treatment modalities and introduction of new technologies.

A joint conference to discuss this issue is a good platform for us to keep abreast of such development. I am confident that this symposium will benefit all who are attending the conference. I wish all overseas guests a very pleasant visit to Singapore and hope you will also have some time to relax and interact with your friends and colleagues.

Professor Chew Chong Lin  
President, Singapore Dental Council

#### **MESSAGE FROM PRESIDENT, COLLEGE OF DENTAL SURGEONS, SINGAPORE**



This tripartite meeting is an excellent opportunity for dental specialists of the three countries to come together for exchange of knowledge as well as to build upon the ties that we have established over the years. Singapore, Malaysia and Hong Kong have many similarities having inherited them from the British when we were all colonies.

Modern dentistry requires a multidisciplinary approach and as Colleges that houses all recognized specialties in our respective countries, we are best placed to provide an integrated multi-specialty continuing education program to our dental fraternity.

The organizing committee has worked very hard to produce an excellent scientific program that compasses the philosophy of the theme. "Advancing together in Clinical Dentistry" drawing upon the expertise of the three Colleges. I am confident that participants will gain tremendously from this program.

Chan Siew Luen  
President  
College of Dental Surgeons, Singapore

## SPEAKERS' CV AND LECTURE SYNOPSIS



**Dr. Edmond Pow**  
BDS, MDS(Pros Dent), PhD, FRACDS,  
MRACDS(Pros), FCDSHK(Pros), FHKAM(Dental  
Surgery), FICD

Dr. Edmond Pow is a tenured Associate Professor and the Postgraduate Programme Director in Oral Rehabilitation as well as the

Deputy Postgraduate Programme Director in Implant Dentistry, Faculty of Dentistry, The University of Hong Kong. He is also the Assistant Director of the Centre for Advanced Dental Care of the Prince Philip Dental Hospital.

As a registered specialist in Prosthodontics in Hong Kong, Dr. Pow has been actively working in implant dentistry for nearly 20 years. He is currently the Supervisor of the Specialty Board in Prosthodontics as well as the Honorary Secretary of the College of Dental Surgeons of Hong Kong. He was the Chair of the Asia Regional Committee of the Royal Australasian College of Dental Surgeons and the Vice-president of the Hong Kong Prosthetic Dentistry Society. His research interests include dental implants, biomaterials and medically compromised patients. He has published widely in many international journals and he serves on the editorial board of the Clinical Oral Implants Research, Journal of Prosthodontics and Journal of American Dental Association (Chinese Edition).

### Lecture: Predictable dental implant placement

The long term success of an implant-supported prosthesis depends much on whether the implant was placed in its optimal position and angulation during surgery. Transferring the implant planning to the surgical site is always a challenge. In this lecture, various popular methods and surgical guides for implant placement will be revisited. New advances in implant surgery will also be discussed.

### Lecture: Material selection for implant prostheses: metal vs ceramics

Although the survival rates of dental implants are shown to be high, various biological and technical complications are not uncommonly found. The management of such complications is usually uncomplicated but it can also be very demanding in certain situations. The occurrence of some of the complications might be prevented by the good selection of materials during planning and fabrication of the prosthesis.



**Dr. Seow Liang Lin**  
BDS, MSc, FDS RCS, PhD

Associate Professor Seow Liang Lin is currently the Associate Dean of Clinical Oral Sciences at School of Dentistry, International Medical University in Kuala Lumpur. Prior to this appointment, she was the Director of Oral

Health Centre, IMU from 2009-2012. Before joining the International Medical University she has served as lecturer and senior lecturer at the University of Malaya for ten years.

She was the Founding President of the Malaysian Association for Prosthodontics and currently the Immediate Past President for this Association (2011-2013), the Honorary Publication Secretary for Malaysian Dental Association (2007-2010) and the Country Representative (1997-2005) and Council Member (2005-present) of the Asian Academy for Prosthodontics. She is a Fellow of the Royal College of Surgeons, England and a Fellow of the International College for Dentistry. She was also the Secretary (2004-2006) and Council Member (2006-2010) of the International Association for Dental Research (Malaysian Chapter).

### Lecture: Current concepts in the restoration of endodontically treated teeth

Factors influencing the strength of endodontically treated teeth have been extensively reviewed in the literature. It has been demonstrated that the strength of an endodontically treated tooth is directly related to the bulk of remaining dentine. It has been observed that fracture of root-filled teeth is relatively common and can be devastated to both patients and dentists. Therefore, root canal therapy cannot be considered complete until the tooth has been restored to ensure its viability clinically. Inadequate coronal restoration and coronal microleakage has been cited as one of the important factors determining the successful outcome of endodontically treated teeth. The ideal restoration for an endodontically treated tooth should therefore restore form, function and aesthetics. This lecture aims to present an overview of the current concepts pertaining to the restoration of endodontically treated teeth, the various types and designs of posts and cores available and also the role of adhesives and all-ceramic restorations.



**Dr. Victoria SH Yu**  
BDS, MSc (with Distinction) in Endodontics,  
FAMS (Endo)

Dr Victoria Yu is the graduate endodontics programme director at the National University of Singapore. She is also an Assistant Professor at NUS and concurrently a senior consultant at NUHS. Her research interests include the persistent endodontic lesion and endodontic education. She is also the Chairperson for the Dental Specialty Accreditation Committee in endodontics. Dr Yu has lectured extensively both locally and regionally and her research activities include being the Co-investigator in the development of a rapid microbial-based monitoring method to determine the success of root canal disinfection (PI: Tan KS) and the Principal investigator in identifying risk of exacerbation of asymptomatic persistent endodontic lesions and building a risk assessment model for evidence-based management of asymptomatic persistent endodontic lesions as well as the principal investigator for hand Instrumentation in the Preclinical Endodontic Course at NUS, Singapore.

### Lecture: Endodontic decision-making in an era of advancing clinical dentistry

The past 60 years have seen the art and science of endodontic therapy being transformed. Traditional stainless steel instruments give way to sophisticated instrument designs promising ease of operation, more effective cleaning of root canals and higher cost effectiveness. Current root-filling materials are constantly being challenged as the search for a replacement of the lost dental pulp continues. The past 60 years have also seen much effort invested in evaluating healing after root canal treatment, providing evidence for modern clinical practice guidelines. Yet, endodontic lesions that resist treatment continue to exist and challenge clinicians regarding their management.

This lecture will examine the persistent endodontic lesion with regards to its prevalence, its risk of exacerbation and its potential impact on patient well-being and the practice of clinical dentistry. At conclusion, participants should be able to:

- Appreciate the concepts of treatment success and failure, healing of disease and tooth functionality.
- Appraise available evidence for clinical practice guidelines.
- Develop a strategy for the management of endodontic lesions that persist after root canal treatment.



**Dr. Andrew Tay**  
BDS, MDS, FDS RCS (Ed), FAMS (OMS)

Dr. 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. Dr. 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 the Director and Senior Consultant at the Department of Oral & Maxillofacial Surgery, National Dental Centre (NDC), and a Clinical Senior Lecturer 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.

#### Lecture: Advances in Restoration of Mandibular Defects

Mandibular bone may be lost as part of the resorption pattern seen after tooth loss or through diseases such as bone infections (osteomyelitis, osteoradionecrosis). Intraosseous tumors and oral malignancies often require mandibular resection with significant bone loss. These often severely diminish a patient's quality of life and daily function, affecting the patient's ability to speak and eat, and significantly impairing facial appearance with detriment to social interactions and self-esteem.

Current surgical techniques of reconstructing mandibular defects, e.g. free vascularised composite flaps, are not ideal, with long operation time, donor site morbidity and long hospitalization. Depending on the method of reconstruction, the restoration of functional dentition is often difficult or impossible. Efforts to develop alternative methods of mandibular reconstruction have been made for both small and large defects. This lecture will provide an update of these new alternative methods of restoring mandibular defects.



**Dr. Sungmin Chung**  
Periodontist, Ph.D, DDS, Ph.D., College of Dentistry, Kyung Hee University, Clinical Researcher, Implant center, Tuevingen Univ., Germany, Fellow, Implant center, Loma Linda Univ., USA, Director, Well Dental Clinic

#### Lecture: The challenge, the response in daily implant practice

With implant treatment, the quality and span of life have been leveled up. Implant itself is very interesting, exciting and satisfactory for dentist and patient. We have been satisfied with typical implant treatment, but over the limitation of our concept, there are many possibilities of the change of treatment concepts. Still we do develop various materials to overcome difficulties of typical implant treatment. Contents of presentation are:

- Anesthesia in 2nd stage surgery and prosthetic treatment
- Implant surgery; implant selection now and future possible implant system. one stage vs staged approach  
simple gingival augmentation with CaP + collagen based materials  
bone graft concepts  
simple sinus augmentation materials

- Prosthetic materials ready made vs customized  
abutment Zr prosthesis with metal base  
Precise cross arch Zr prosthesis  
minimal porcelain build up with reinforced fluorescence or opal porcelain
- Tools for maintenance care and complications  
ultrasonic interproximal tooth brush  
implant removal and fractured screw removal tools

With the innovative material development, the concepts of treatment have been developed and up graded. We wish to discuss about the daily implant treatment concepts openly.



**Associate Professor Dr. Roszalina Ramli**  
BDS, MSc (Oral & Maxillofacial Surgery), FDSRCS, FFDRCS  
Consultant, Department of Oral & Maxillofacial Surgery, Faculty of Dentistry, Universiti Kebangsaan Malaysia (UKM) and Universiti Kebangsaan Malaysia Medical Centre (UKMMC)

Roszalina is the Associate Professor of Oral and Maxillofacial Surgery at Universiti Kebangsaan Malaysia (UKM). She is also the Head of Trauma Research Group for UKM. Her clinical expertise includes management of chronic non-healing wound in the head and neck. Roszalina's research interests have focused on craniomaxillofacial injury, motorcycle injuries, with a particular interest in design and effectiveness of the crash helmets.

She is the editor of Atlas of Craniomaxillofacial Trauma and author of over 40 peer reviewed journal articles. She is a member of the Malaysian Association of Oral and Maxillofacial Surgeons (MAOMS) and Asian Association of Oral and Maxillofacial Surgeons (AAOMS). She is currently pursuing her PhD in Accident Research at Monash Injury Research Institute.

#### Lecture: Facial injury among motorcyclists - the effect of helmet visor

The function of a helmet visor is to protect the motorcyclist's face from small objects, i.e. dirt, insects and others. The visor was not designed to protect face against impact. To date, there is no literature addressing facial injury and motorcycle-helmet visor. However, clinical examination showed that a visor whether in intact or damaged form could cause facial soft tissue injury.

The objective of this study was to quantify the association between motorcycle-helmet visor and facial injury. 145 helmets were collected from participants involved in motorcycle crash. 140 were helmets with a visor while the rest were without a visor. However, only 103 visors (73.6%) were available for examination. Examination involved basic and physical characteristics of the visor, damage assessment, material characterization and scanning electron microscopy (SEM). Univariate and multivariate analysis showed significant association between visor type and damage with facial injury.

#### Management of irradiated patients undergoing minor oral surgery

Minor surgery to the jaw bone especially after radiation therapy is shown to be the most common precipitating factor for developing osteoradionecrosis. Ideally, patients going for radiotherapy to the head and neck area or bisphosphonate therapy should be referred for comprehensive dental care prior to their treatment. However, most of the patients were referred too close to the treatment date and some were not referred at all. We wish to highlight our management which consists of therapeutic ultrasound and buccal pad of fat flap following minor oral surgery.

## PROGRAMME DETAILS

TIME (SUNDAY)	SPEAKERS	TOPICS	MODERATOR/IC
8.00am-9.00am	Registration		AM Secretariat/ Dr Loh Poey Ling
9.00am-9.45am	A/P Edmond Pow (FHKAM)	Predictable Dental Implant Placement	Dr Ansgar Cheng
9.45am-10.00am	Opening Ceremony: Prof Chew Chong Lin, SDC President		Organizing Chairman - Dr Hong Yong Huat
10.00am-10.30am	Tea Break		Dr Hemalatha Nathan/ Shermaine Tan
10.30am-11.15am	A/P Edmond Pow (FHKAM)	Material Selection for Implant Prosthesis: Metal vs Ceramics	Dr Ansgar Cheng
11.15am-12.00pm	Dr Sung Min Chung (Dentium Sponsored)	The challenge, the response in daily implant practice	Dr Chan Siew Luen
12.00pm-12.45pm	Dr Andrew Tay CDSS'pore, FAMS	Advances in Bone Engineering in Oral & Maxillofacial Surgery	Dr Chan Siew Luen
12.45pm-2.00pm	Lunch	Lunch Symposium/Poster Presentations	Dr Benjamin Long
2.00pm-2.45pm	A/P Roszalina Ramli CDSM'sia, AMM	Facial injury among motorcyclists - the effect of helmet visor	Dr Andrew Ow
2.45pm-3.30pm	A/P Roszalina Ramli CDSM'sia, AMM	Facial injury among motorcyclists - the effect of helmet visor	Dr Andrew Ow
3.30pm-3.45pm	Tea Break		
3.45pm-4.30pm	A/P Seow Liang Lin (CDSS Sponsored)	Current Concepts In The Restoration Of Endodontically Treated Teeth	Dr Benjamin Long
4.30pm-5.15pm	Dr Victoria Yu CDSS'pore, FAMS	Endodontic Decision-Making In An Era Of Advancing Clinical Dentistry	Dr Benjamin Long
5.15pm-5.30pm	Closing Remarks: Dr Benjamin Long, President, College of Dental Surgeons, Singapore.		

### DENTAL POSTER COMPETITION WITH TOTAL PRIZE VALUE S\$1,000 FOR THE TOP POSTERS

In conjunction with the scientific meeting, CDSS will be organizing a dental poster competition with total prize value S\$1,000 for the top posters. We are now calling for submission of abstracts of the intended presentation and all participants must sign up for the main meeting and be present during the judging process to do a short presentation of their posters and also to receive a short Q and A session with the panel of judges.

#### Guidelines for Abstract Submission

All abstract(s) must be submitted online at <http://www.smc-ams.com/>. Submissions must be done in English, via online through the official website, and must attached a PDF format. Maximum words allowed is 250. Dateline for submission of abstracts is 15 July 2013. Please provide the Secretariat with your email address for administrative purposes.

Abstract format are as follows: • Title • Author(s) • Aims of Study • Methodology • Results • Discussion

### ORGANISING COMMITTEE

Dr Hong Yong Huat (Chairman)  
 Dr Bryce Lee (Secretary/Publicity)  
 Dr Loh Poey Ling (Treasurer/Souvenir)  
 Dr Johnathan Wee (Speakers Welfare)  
 Dr Benjamin Long (Poster Presentation)  
 Dr Andrew Ow (Photographer)  
 Dr Ansgar Cheng (Moderator i/c)  
 Dr Hemalatha Nathan (Hospitality)  
 Liszt Jimenez (AMS) (Secretarial Support)  
 Shermaine Tan (CDSS) (Secretarial Support)  
 Dr Chan Siew Luen (Ex-Officio)

**REGISTRATION FORM**

2<sup>nd</sup> AMM – AMS – HKAM Tripartite Congress & 47<sup>th</sup> SMCM 2013 Conference Secretariat  
 Academy of Medicine, Singapore, 81 Kim Keat Road, #12-00, NKF Centre, Singapore 328836  
 Tel: (65) 6593-7868 Fax: (65) 6593-7880 E-mail: [smcm@ams.edu.sg](mailto:smcm@ams.edu.sg)

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Email: _____ MCR No (local doctors) _____	
Name to appear on Certificate of Attendance: _____	
I am submitting an abstract for the conference:	[ ] Yes                      [ ] No
I am interested to register at the WIRES Workshop	[ ] Yes                      [ ] No

**REGISTRATION FEES**

A.	DAY REGISTRATION   Day 2: 24 August 2013, Saturday	Received and paid on/before 15 July 2013	Received and paid after 15 July 2013
<b>D1</b>	Fellows of AMS / AMM / HKAM*	<input type="checkbox"/> S\$175.00	<input type="checkbox"/> S\$225.00
<b>D2</b>	Members of SMA / CFPS / SDA**	<input type="checkbox"/> S\$200.00	<input type="checkbox"/> S\$250.00
<b>D3</b>	Residents / Basic & Advanced Specialist Trainees	<input type="checkbox"/> S\$125.00	<input type="checkbox"/> S\$150.00
<b>D4</b>	Medical/Dental Students	<input type="checkbox"/> S\$75.00	<input type="checkbox"/> S\$100.00
<b>D5</b>	Others	<input type="checkbox"/> S\$250.00	<input type="checkbox"/> S\$300.00

\* AMS – Academy of Medicine, Singapore;  
 AMM – Academy of Medicine of Malaysia;  
 HKAM – Hong Kong Academy of Medicine

\*\* SMA - Singapore Medical Association;  
 SDA - Singapore Dental Association;  
 CFPS - College of Family Physicians, Singapore;

**TOTAL PAYMENT DUE (A+B+C) = S\$ \_\_\_\_\_**

PAYMENT OPTIONS (Select one) - Payment of registration fee MUST accompany this form	
<input type="checkbox"/> Bank Draft / Singapore cheque enclosed (Payable to Academy of Medicine, Singapore in Singapore Dollars). All bank charges must be paid at source.	
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