

“DOCTOR! HELP!”

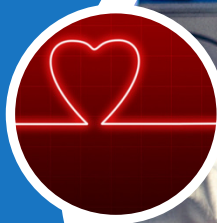
EMERGENCY MEDICINE (E-MED) IN YOUR AREA!

Organised
by:



What if the patient collapses in your dental clinic?
What do you do while your colleagues call for help/995?

This full day lectures with hands-on simulation will guide you through the possible emergencies you may encounter.



Date: 10th November 2024

**Venue: Seminar Room L1-S3,
Academia
20 College Road
Singapore 169856**

Lecture ONLY (incl. GST)

SDA Member: S\$ 109

Non-SDA Member: S\$ 218

**4 CORE
POINTS**

Lecture & Workshop (incl. GST)

SDA Member: S\$ 196.20

Non-SDA Member: S\$ 381.50

**8 CORE
POINTS**



Scan / Click here to register!

Morning Session

08:00 -
08:30AM

Registration and Welcome

08:30 -
09:15AM

Opening Address - Overview of Licensing Requirements under Healthcare Services Act for Outpatient Dental Service

By **Adj Assoc Prof (Dr) Raymond Chua**
Deputy Director-General of Health, Health Regulation
Assistant Commissioner (Cybersecurity – Healthcare)
Ministry of Health, Singapore

09:15 -
09:45AM

Dr William

Lecture 1 - Overview of Common Medical Emergencies in the Dental Office

- ✓ Introduction to the types of medical emergencies that can occur in a dental setting.
- ✓ Importance of preparedness and quick response.
- ✓ Legal and ethical considerations.

09:45 -
10:30AM

Dr Sha Yang

Lecture 2 - Syncope and Hypotension Management

- ✓ Causes and identification of syncope and hypotension in patients.
- ✓ Immediate management steps and prevention strategies.
- ✓ Discussion of case studies and real-world examples.

10:30 -
11:15AM

Dr Timothy

Lecture 3 - Allergic Reactions and Anaphylaxis

- ✓ Understanding the signs and symptoms of allergic reactions.
- ✓ Emergency management of mild, moderate, and severe allergic reactions.
- ✓ Use of epinephrine and other emergency medications.

11:15 -
11:30AM

COFFEE BREAK

11:30 -
12:15AM

Dr Wee Hsuan

Lecture 4 - Cardiac Emergencies: Acute Coronary syndrome, Myocardial Infarction, and Cardiac Arrest

- ✓ Recognizing symptoms of acute coronary syndrome (eg. angina), myocardial infarction, and cardiac arrest.
- ✓ Immediate steps to manage cardiac emergencies.
- ✓ Importance of CPR and defibrillator use in a dental office.

Afternoon Session

**12:15 -
01:00PM**

Dr Noah

Lecture 5 - Endocrine Emergencies: Hypoglycemia and Adrenal Crisis

- ✔ Identification and management of hypoglycemia in diabetic patients.
- ✔ Recognizing and managing adrenal crisis in patients with adrenal insufficiency.
- ✔ Discussion on the role of glucose, glucagon, and corticosteroids in emergency management.

**01:00 -
01:45PM**

Dr Intekhab

Lecture 6 - Emergency Drugs and the Emergency Trolley

- ✔ Overview of essential drugs and proper stocking and maintenance of an emergency trolley.
- ✔ Guidelines for the use of emergency equipment and medications.
- ✔ Demonstration of setting up an emergency trolley.

**01:45 -
02:30PM**

LUNCH BREAK

**02:30 -
03:30PM**

Dr Timothy

Simulation 1 - Managing Syncope/Anaphylactic reaction in a Dental Chair

- ✔ Participants work in small groups to manage a patient experiencing syncope
- ✔ Simulated emergency involving a patient with a severe allergic reaction
- ✔ Using SBAR to activate emergency services

**03:30 -
04:30PM**

Dr Noah

Simulation 2 - Handling an Hypoglycemic crisis

- ✔ Simulated emergency involving a patient with a hypoglycemic shock
- ✔ Emphasis on the use of emergency medications and coordination among staff
- ✔ Using SBAR to activate emergency services

**04:30 -
05:30PM**

Dr Bertrand

Simulation 3 - Responding to a Cardiac Arrest

- ✔ Full-scale simulation of a cardiac arrest in the dental office
- ✔ Use of CPR, AED, and emergency protocols
- ✔ Debriefing and discussion on performance

**05:30 -
06:30PM**

Review and Q&A

- ✔ Recap of the day's activities
- ✔ Open floor for questions and discussion
- ✔ Distribution of course completion certificates



**ADJ ASSOCIATE PROF (DR)
RAYMOND CHUA SWEE BOON**

Deputy Director-General of Health,
Health Regulation
Assistant Commissioner
(Cybersecurity – Healthcare)
Ministry of Health, Singapore

Biography:

A/Prof Raymond Chua graduated from the Faculty of Medicine in the National University of Singapore in 1997 and is a registered public health specialist and a fellow of the Academy of Medicine since 2007. He is currently the Deputy Director-General of Health for Healthcare Regulation in the Ministry of Health and concurrently appointed as the Assistant Commissioner for Cybersecurity by the Cybersecurity Agency of Singapore.

He also oversees the end-to-end regulations for healthcare services and information, from policy to inspection and audit to enforcement, as well as the cybersecurity policies for the critical information infrastructure in the healthcare ecosystem. Prior to this, he was the Group Director of the Health Products Regulation Group in the Health Sciences Authority from 2012 to 2016 as well as the Managing Director and Regional Medical Directors of 2 global pharmaceutical companies, Eisai and Shire, providing oversight to increase the initiation of global clinical trials in the Asia-Pacific region.

He is currently a member of multiple regulatory committees under the Public Service Division to steer and guide regulatory practices in public service.

Speakers

(ACCORDING TO LECTURE SEQUENCE)

1



Dr William

Dr William Lim completed his Basic degree in Dental Surgery in 2008 with the Outstanding Undergraduate Research Prize.

He subsequently went on to pursue his Masters in Oral & Maxillofacial Surgery in the year 2010.

Dr William Lim served as a Consultant in the National Dental Centre Singapore where he was the Head of the Oral and Craniofacial Implant Program.

Dr William Lim became a Fellow of the Academic Medicine Institute in 2016. He served as the President of the Association of Oral and Maxillofacial Surgeons Singapore in 2021 and believes in giving back to the profession.

Dr. Sha Yang obtained her Bachelor in Dental Surgery from National University of Singapore (NUS) in 2013. After graduation, she served in various public health institutions for 4 years, during which she developed a strong interest in Oral and Maxillofacial Surgery. In 2017, Dr Sha was admitted into the Oral and Maxillofacial Surgery Residency Programme in NUS and received her Master in Dental Surgery in 2020. Dr. Sha currently works in Khoo Teck Puat Hospital, Department of Dental Surgery as an Associate Consultant. Aside of her regular clinical work, Dr Sha enjoys promoting professional growth via inter-disciplinary and inter-institutional collaborations. She regularly works alongside her peers to organize various nationwide advanced training, locoregional OMS conventions and several community outreach programme for dental practitioners and fellow OMS surgeons. She has served as an executive committee member of the Association of Oral & Maxillofacial Surgeons Singapore for several years before being elected as the current Honorary Treasurer for the association. Dr Sha has a particular clinical interest in orthognathic surgeries, facial aesthetics and reconstructions, and craniofacial implantology. She is currently a member of the SDC Aesthetic Facial Procedures Oversight Committee.

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Dr Sha Yang

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Dr Timothy

Dr Sng Jie Han Timothy graduated from the National University of Singapore (NUS) with a Bachelor of Dental Surgery in 2017. He completed his residency training and attained a Master's degree in Oral and Maxillofacial Surgery (OMS) at NUS in 2023. Dr Sng is currently a registrar at the National University Centre for Oral Health Singapore and holds the position of Academic Fellow in the Faculty of Dentistry at NUS. He helps oversees the coordination of the OMS undergraduate module at the NUS Faculty of Dentistry. His clinical and research interests are centred on craniomaxillofacial deformities and dental implantology. In 2024, he was awarded the AO CMF Asia Pacific fellowship at the Peking University School of Stomatology, broadening his exposure to the surgical care of patients with cleft & craniofacial deformities.

Speakers

(ACCORDING TO LECTURE SEQUENCE)

4



Dr Wee Hsuan

Dr Ng Wee Hsuan graduated from the National University of Singapore (NUS) with a Bachelor of Dental Surgery in 2015. He was accepted into the NUS Oral and Maxillofacial Surgery (OMS) residency programme, and graduated with a Master of Dental Surgery in 2021. He was fully accredited as an OMS specialist by the Dental Specialist Accreditation Board in 2023. Dr Ng Wee Hsuan is currently working at Khoo Teck Puat Hospital as an Associate Consultant, practicing Oral and Maxillofacial Surgery. His clinical interests include orthognathic surgery, implantology, facial aesthetics, and reconstruction of facial trauma. Aside from clinical work, Dr Ng has an interest in clinical research. He has published widely in various high impact-factor peer-reviewed journals. Dr Ng is also involved in the Association of Oral and Maxillofacial Surgeons Singapore, having served for several years in the executive committee. Dr Ng's true passion is in education. He believes strongly in passing on knowledge and empowering others. In the spirit of teaching, he has conducted and taught in many basic and advanced courses, both locally and internationally. Dr Ng is also certified in both Advanced Cardiac Life Support and Advanced Trauma Life Support, and is well-trained in the management of medical emergencies.

Dr Noah Teo is a UK Fellowship trained Oral & Maxillofacial Surgeon. He has a special interest in Facial Deformity Reconstruction and Acute Facial Injury, having completed a Fellowship in the United Kingdom.

Journeying together with younger colleagues and witnessing their professional growth makes him excited.

He has been supervising and teaching colleagues in Orthognathic Surgery, Jaw Cysts and has taught multiple courses on Impacted Wisdom Teeth. He was invited as Chief Instructor and also Teaching Faculty for Surgery courses in Singapore and overseas.

He has published research papers in internationally renowned journals and was invited to contribute toward a medical textbook.

He believes that patients should get a positive experience during consultation and treatment journeys. His efforts were recognized with him winning Service Champion Awards by the hospital he worked in.

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Dr Noah



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Dr Intekhab

Associate Professor Intekhab Islam graduated from the University of North Bengal, India with a Bachelor of Dental Surgery. He was awarded the NUS Research Scholarship to pursue a post graduate degree in Restorative Dentistry and obtained his MSc in Restorative Dentistry. He went on to pursue postgraduate training in Oral and Maxillofacial Surgery at the National University of Singapore and followed it with a PhD in Bone Tissue Engineering.

Intekhab pursued subspecialty training in Temporomandibular Joint reconstruction and replacement as a National Council for Post Graduate Dental Education Scholar in Nine Wells Hospital Dundee, Scotland under the Academic Medicine Development Award awarded jointly by the National University Health System and the Ministry of Health, Singapore.

He has been the recipient of the NUS and Faculty of Dentistry Teaching excellence awards. His research interests include Bone Tissue Engineering and using Virtual and Augmented reality for Simulation Surgery, Training and for Undergraduate Dental Education.

Dr Intekhab is currently an Associate Professor currently in Oral and Maxillofacial Surgery, Faculty of Dentistry, National University of Singapore and a Senior Consultant in Oral and Maxillofacial Surgery, National University Centre for Oral Health Singapore.

Simulation Instructors



Dr Timothy



Dr Noah



Dr Bertrand

Dr Chew Shen Hui, Bertrand obtained his Bachelor of Dental Surgery from NUS in 2001. He obtained his Masters in Dental Surgery (Oral and Maxillofacial Surgery) from NUS in 2006 became a fellow of the Royal Australian College of Dental Surgeons (FRACDS). His postgraduate studies was sponsored by the NHG (Alexandra Health) from the second year. He is an accredited Oral and Maxillofacial Surgeon and obtained the Fellowship of the Academy of Medicine, Singapore (FAMS). In 2012, he also obtained the SAF Overseas Fellowship to further specialize in Implantology at UCLA, USA.

Dr Chew's experience includes being the Singapore Armed Forces Head Dental Officer, a Consultant at Ng Teng Fong General Hospital and Jurong Medical Centre, and Visiting Consultant to the Khoo Teck Puat Hospital, Alexandra Health and National University Centre for Oral Health, Singapore. He was also a visiting Consultant and the member of the Oral Health Academician program at National Dental Centre Singapore. At the Faculty of Dentistry, NUS, Dr Chew taught the post-graduate and undergraduate courses in Implant Dentistry as a Senior Clinical Lecturer. Likewise, he is a certified Trainer for the Advanced Trauma Life Support Course (ATLS). He is also currently a Senior Visiting Specialist in the SAF and practices at Raffles Hospital.

His clinical interests include bone/soft tissue grafting, implantology, dental alveolar procedures and upperwisdom tooth removal.

In his spare time, he helps out at the community (such as overseas mission trips) and he holds an Advanced Certificate of Community Leadership, a joint program by the People Association and the Republic Polytechnic.