**Anaesthesia Patient** Safety Symposium combined with

Regional Obesity & **Bariatric Anaesthesia Conference 2025** 



# An Asia-Pacific Conference

Pre-Conference Workshops | 20 June 2025, Friday | Imperial Hotel Main Conference | 21-22 June 2025, Saturday-Sunday | Waterfront Hotel KUCHING, SARAWAK, MALAYSIA



# **E-PROGRAMME**

# **Highlights of Concurrent Tracks**

Patient Safety and Quality in Perioperative Neurosciences Advances in Bariatric Anaesthesia, Obesity & Sleep Apnoea

www.apssregional.com

































# NAVIGATING THROUGH APSS-ROBAC 2025 3 WELCOME MESSAGE 5 ABOUT APSS-ROBAC 2025 8 ORGANISING COMMITTEE 9 ORGANISING SOCIETIES 10 **GENERAL INFORMATION** 13 REGISTRATION 14 **INVITED SPEAKERS** 15 PRE-CONFERENCE WORKSHOPS 17 MAIN PROGRAMME 20 PLENARY SESSIONS 22 SYMPOSIA SESSIONS 23 INFOGRAPHIC THEMES 25 INFOGRAPHIC ABSTRACTS 26 **EXHIBITORS** 34





# Danum 3

Workshop Al: Perioperative Medication Safety Workshop

Workshop A2: Kiken Yochi Training (KYT) Workshop

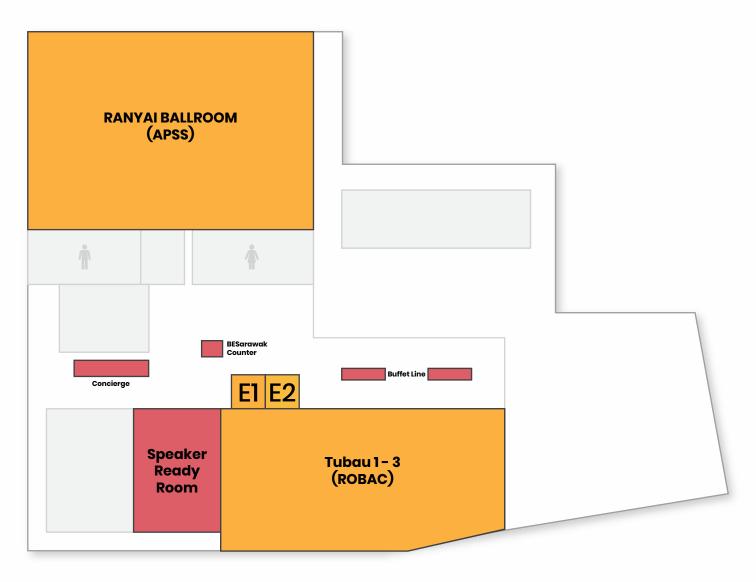
# **Danum 4 & 5**

Workshop B: Bariatric Anaesthesia Workshop



# **Main Conference**

21 - 22 June 2025 (Sat - Sun) Waterfront Hotel, Kuching, Sarawak 68, Jalan Tun Abang Haji Openg, 93000 Kuching, Sarawak



Exhibitors List			
Company Name Booth Number			
Ummi Surgical	El		
First Pharma	E2		

# Welcome Message from the Organising Chair



Dear friends and colleagues,

Warmest welcome to the second edition of Anaesthesia Patient Safety Symposium combined with Regional Obesity and Bariatric Anaesthesia Conference 2025 (APSS-ROBAC 2025), 20 - 22 June jointly organised by the Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC), Persatuan Kakitangan Anestesiologi Hospital Umum Sarawak- PEKA-HUS (The Association of Staffs in Anaesthesiology of Sarawak General Hospital), Anaesthesia Patient Safety Foundation (APSF), American Society of Anesthesiologists (ASA), International Society for the Perioperative Care of Patients with Obesity (ISPCOP), Society for Obesity and Bariatric Anaesthesia (SOBA), UK; Society for Neuroscience in Anaesthesiology and Critical Care (SNACC) and Singapore Society of Anaesthesiologists (SSA).

Following the successful organisation of the inaugural virtual APSS 2023, the physical APSS 2025 aim to deliver general and essential topics related to anaesthesia patient safety with a highlight on 'Safety and Quality in Neuroanaesthesia and Neurocritical Care'. The two-day concurrent track focuses on obesity, sleep medicine and bariatric anaesthesia. To our knowledge, ROBAC 2025 is the only conference to be held in the country and possibly in this region dedicated to promoting excellence in the perioperative care of patients with obesity presenting for bariatric and non-bariatric surgeries.

APSS-ROBAC 2025 will bring together global and local leaders and practitioners in their respective fields which will promise a great platform for academic discussion as well as networking. Don't forget to explore the sights, sounds and tastes of Kuching too, as Kuching has so much to offer to its guests. Thank you!

Peter Tan MD, MMed Organising Chairperson Consultant Neuroanaesthesiologist, Miri Hospital, Sarawak President, MSNACC, Malaysia



# Welcome Message from the Organising Co-Chair



Welcome to Kuching, Malaysia, and welcome to a transformative experience where knowledge meets excitement, and collaboration knows no bounds!

We are incredibly proud and excited to welcome our attendees, prospective attendees, enthusiastic experts, learners and supporters. As we gather against the beautiful backdrop of Kuching, Malaysia, we extend a warm invitation to gather, learn and collaborate with some of the world leaders in perioperative patient safety, neuroanaesthesia and bariatric anaesthesia.

Nestled in the heart of Kuching, Malaysia, our in-person meeting offers a unique opportunity to explore the rich cultural tapestry of this enchanting city while delving into the latest advancements in neuroanaesthesia and perioperative patient safety.

Our goal is to gather the world's experts in traumatic brain injury, optimal perioperative brain health, stroke and neuro-critical care as well as the leading voices in medication safety, challenges in innovative patient safety, and patient safety culture. The two day conference sets the stage for engaging discussions, guide best practices and invigorate new ways of delivering the best care. We envision an energetic platform to help us forge connections, drive innovation and cement a sustainable patient safety culture across diverse backgrounds and specialities.

Arney Abcejo, MD Organising Co-Chair Scientific Chair for the APSS 2025 Associate Professor of Anaesthesiology Division Chair Neuroanaesthesia and Radiology, Mayo Clinic, United States



# Welcome Message from the Organising Co-Chair



As the Co-Chair and Programme Lead for the Regional Obesity and Bariatric Anaesthesia Conference (ROBAC 2025), it is my privilege to welcome you to this meeting in Kuching, Sarawak on the weekend of 20 – 22 June 2025.

In addition to faculty from the Asia-Pacific, ROBAC 2025 is being planned as an opportunity to listen to some great talks and interact with our dynamic speakers coming to you all the way from North America, Europe, UK and Australia. We hope to see our delegates use this opportunity to meet old friends and former colleagues and make new connections and acquaintances.

The theme of ROBAC 2025 revolves around recent advances in Obesity, Sleep Medicine and Bariatric Anaesthesia. We have put together a programme with a nice mix of topics – all contemporary, most cutting edge and some even controversial!

The scientific content for this meeting has been developed in collaboration with a highly experienced group of educators, content experts and speakers- it is almost entirely based on previous delegate feedback from similar Obesity Anaesthesia meetings around the world. We hope that you will find the conference content thought-provoking, clinically relevant, stimulating and rewarding.

ROBAC 2025 also brings together three of the premier Obesity Anaesthesia associations- ISPCOP (International Society for the Perioperative Care of the Obese Patient), the UK-based SOBA (Society for Obesity and Bariatric Anaesthesia) and ESPCOP (European Society for the Perioperative Care of the Obese Patient). We envision that ROBAC 2025 will be the continuation of long-standing global partnerships between these Societies that share a common goal- improving the perioperative outcomes and safety of patients living with obesity.

I look forward to meeting you all in the beautiful city of Kuching, Sarawak.

Thank you and Welcome!

Naveen Eipe, MD @NaveenEipe Organising Co-Chair Scientific Chair for the ROBAC 2025 Associate Professor and Clinical Lead Bariatric Anesthesia, University of Ottawa, Canada



# **About APSS-ROBAC 2025**

# **The Background of APSS**

The inaugural, virtual, two-day APSS 2023, 20-21 May was jointly organised by PEKA-HUS, Malaysian Society of Anaesthesiologists and College of Anaesthesiologists, Academy of Medicine of Malaysia. The Organising Committee was truly honoured to collaborate with ASPF and ASA in this project which was also supported by the World Federation of Societies of Anesthesiologists. APSS 2023 was the only conference held in the country and possibly in this region dedicated to education and learning of anaesthesia patient safety. www.apss2023.com

## **About ROBAC 2025**

The perioperative care of patients with obesity presenting for bariatric and non-bariatric surgeries is challenging. There is increasing interest among the local and regional fraternity in this subspecialty of anaesthesia. Hence, it is timely to host the inaugural ROBAC 2025 targeting Malaysian and Asia-Pacific audiences which aims to promote excellence in clinical management and education in the care of this subgroup of patients.

# **APSS combined with ROBAC 2025**

Besides general and essential topics related to anaesthesia patient safety, the APSS 2025 will also highlight 'Safety and Quality in Neuroanaesthesia and Neurocritical Care'. This combined meeting will have a two-day concurrent track for ROBAC 2025 focusing on obesity, obstructive sleep apnoea and bariatric anaesthesia. The APSS-ROBAC 2025 acts as an ideal platform to cover lectures related to quality and safety in the bariatric field.







# **Organising Chairpersons**

# Peter Tan, MD, MMed

Consultant Neuroanaesthesiologist, Miri Hospital, Sarawak President, Malaysian Society of Neuroanaesthesiology and Neurocritical Care, Malaysia

# Arney Abcejo, MD

Associate Professor of Anaesthesiology Department of Anaesthesiology and Perioperative Medicine, Mayo Clinic, USA

# Naveen Eipe, MBBS, MD

Staff Anaesthesiologist, The Ottawa Hospital Clinical Lead, Bariatric Anaesthesia Associate Professor, Department of Anaesthesiology and Pain Medicine, University of Ottawa, Canada

# **Scientific Committee**

# Arney Abcejo, MD

(Scientific Chairperson for APSS 2025)

Associate Professor of Anaesthesiology Department of Anaesthesiology and Perioperative Medicine, Mayo Clinic, USA

# Naveen Eipe, MBBS, MD

(Scientific Chairperson for ROBAC 2025)

Staff Anaesthesiologist, The Ottawa Hospital Clinical Lead, Bariatric Anaesthesia Associate Professor, Department of Anaesthesiology and Pain Medicine, University of Ottawa, Canada

# Steven Greenberg, MD, FCCP, FCCM

Vice President, Anaesthesia Patient Safety Foundation (APSF) Editor, Anesthesia Patient Safety Foundation (APSF) Newsletter Clinical Professor, Department of Anaesthesiology Critical Care University of Chicago, Pritzker School of Medicine, USA

# Chan Weng Ken, MD, DrAnaes & CritCare, FCAI, AM

CritCare, FCAI, AM
Clinical Anaesthesiologist
Hospital Canselor Tuanku Muhriz
Universiti Kebangsaan Malaysia, Malaysia

# Alex Kim, MD, MHA, MBAHM

Deputy Director (Medical) II Sarawak General Hospital, Malaysia

# Kho Boon Phiaw, BPharm, MPA, MSc

Head of Pharmacy Resources and Information Section Sarawak General Hospital, Malaysia

# **Organising Societies**



# Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC)



There is an emerging number of anaesthesiologists with special interest in perioperative neurosciences from public, private and university hospitals in Malaysia. This subsequently catalyses the formation of MSNACC on 28 May 2021. The MSNACC is a non-profitable and self-generating professional body. Through its small but growing number of members, MSNACC aims to facilitate educational activities and development of guidelines on neuroanaesthesiology and neurocritical care in Malaysia. MSNACC also organises educational programme, formal attachments, workshops, international and national conferences, and local training platforms, all for the betterment of perioperative neurosciences in Malaysia.

#### www.msnacc.com.my

# Persatuan Kakitangan Anestesiologi Hospital Umum Sarawak (PEKA-HUS)



Persatuan Kakitangan Anestesiologi Hospital Umum Sarawak (PEKA-HUS) or The Association of Staffs in Anaesthesiology of Sarawak General Hospital is an institutional society established on 25 March 2018 which coordinates the practice and training of anaesthesiology and intensive care medicine via various training and educational activities. PEKA-HUS is also dedicated in strengthening the profession of anaesthesiology and intensive care medicine, as well as promoting the well-being of its members.

The board members of PEKA-HUS have wide experience in organising national and international events in partnership with other professional societies, namely the 7th Paediatric Anaesthesia & Analgesia Workshop 2010, the 12th Asian & Oceanic Society of Regional Anaesthesia & Pain Medicine Congress 2013, the Borneo Obstetric Anaesthesia Symposium 2014, the 6th Annual Asia-Pacific ICU Rehabilitation Conference 2019, the Neuroanaesthesia Symposium 2017 and 2021 (virtual), and Sarawak Medico-Legal Conference combined with the Medico-Legal Society of Malaysia-Medico-Legal Society of Singapore Joint Seminar 2022.

PEKA-HUS is currently digitalising its educational activities during this new norm, among them are the Webinars in Neuroanaesthesiology 2021 - 2022 and the Anaesthesiology Updates 2021 - 2022 series in collaboration with the Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC) and the University of Washington, Seattle respectively which have reached out to even a wider range of audience nationwide. The close partnership between PEKA-HUS and MSNACC has also brought to fruition of virtual regional Neurocritical Care Conference 2022, in-person Neuroanaesthesia Symposium 2023 combined with Anaesthesiology Updates 2023, and optimistically the organisation of Asian Pacific Neurocritical Care Conference 2024 and the 9th Congress of Asian Society for Neuroanaesthesia and Critical Care 2027 in Kuching, Sarawak.

# **Organising Societies**



# Society for Neuroscience in Anaesthesiology and Critical Care (SNACC)



The mission of the SNACC is to safeguard and optimise perioperative neurologic function and brain health through neuroscience research, education, and advocacy, thereby advancing high-quality, patient-centred anaesthesia and critical care. SNACC was founded in 1973 (as the Neurosurgical Anesthesia Society or NAS), in the United States, with many luminaries (both anaesthesiologists and neurosurgeons) in the field serving as its first leaders. Now in its 52nd year, SNACC continues to be a worldwide leader in the creation and dissemination of Neuroanesthetic and Neurocritical Care knowledge, discovery, practice guidelines, and education, having collaborated also with many affiliates and stakeholders across the globe. SNACC is committed to the worldwide furthering of Neuroanesthesia and Neurocritical Care as disciplines that are essential to the care of diverse patients, and to the advancement of these fields for the betterment of all of mankind.

# www.snacc.org

# **Singapore Society of Anaesthesiologists**



The Singapore Society of Anaesthesiologists (SSA) is a professional medical society open to all registered medical practitioners engaged in the practice of anaesthesia. We welcome anaesthesia specialists, trainees, residents, fellows, and medical officers to join us. Allied healthcare professionals & medical students with an interest in anaesthesia, perioperative care, critical care, and pain medicine may join SSA as Associate Members. The SSA organises and sanctions educational events that promote learning and interaction for its members.

# www.anaesthesia-singapore.org.sg

# American Society of Anesthesiologists (ASA)



At the American Society of Anesthesiologists (ASA), we take pride in our dedication to raising and maintaining the standards of the medical practice of anesthesiology and improving patient care. Since 1905, our achievements have played an important role in American medicine and we've acted as an advocate for all patients who require anesthesia or relief from pain. We provide outstanding education, research and scientific knowledge to physician anesthesiologists and care team members.

## www.asahq.org

# **Organising Societies**



# **Anesthesia Patient Safety Foundation (APSF)**



The Anesthesia Patients Safety Foundation (APSF) is an international non-for-profit foundation created by the American Society of Anesthesiologists (ASA) whose vision is that "no one shall be harmed by anesthesia care." The APSF welcomes all stakeholders in healthcare to work together to improve the safety of both patients and providers.

Our mission is to improve safety by:

- Identifying safety initiatives and creating recommendations to implement directly and with partner organisations
- Being a leading voice for anaesthesia patient safety worldwide
- Supporting and advancing anaesthesia patient safety culture, knowledge, and learning

# www.apsf.org

# International Society for the Perioperative Care of Patients with Obesity (ISPCOP)



Members are physicians who are engaged in the practice of medicine dealing with surgical patients with obesity, and non-physicians who are involved in the perioperative care of these individuals.

Our members are globally connected in sharing ideas, knowledge, and expertise in the management of perioperative care of patients with obesity.

## www.ispcop.net

# The Society of Obesity & Bariatric Anaesthesia, UK (SOBA, UK)



We provide a voice for those caring for patients with obesity, and specialists in the bariatric field, representing their views and interests.

SOBA provides a forum for all practitioners with an interest in the care of obese patients to communicate and exchange information.

We encourage the formation of research networks and provide guidelines for anaesthetising obese patients. We disseminate best practice and new knowledge. We work with the Royal College of Anaesthetists to support education and training for all anaesthetists and colleagues.

www.sobauk.co.uk

# **General Information**

# **Pre-Conference Workshops**



Imperial Hotel, Kuching, Sarawak Seng Goon, 93250 Kuching, Sarawak



# **Main Conference**

i 21 - 22 June 2025 (Sat - Sun)

Waterfront Hotel, Kuching, Sarawak 68, Jalan Tun Abang Haji Openg, 93000 Kuching, Sarawak

# **Organising Committee**

- Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC)
- Anesthesia Patient Safety Foundation (APSF)
- American Society of Anesthesiologists (ASA)
- International Society for the Perioperative Care of Patients with Obesity (ISPCOP)
- The Society of Obesity & Bariatric Anaesthesia, UK (SOBA, UK)
- Society for Neuroscience in Anaesthesiology and Critical Care (SNACC)
- Singapore Society of Anaesthesiologists

# **Supporting Organisation**

Sarawak Convention Bureau

### **Programme**

Plenaries, Symposia, and Infographic

# Website

www.apssregional.com

#### **Social Media**

Stay up-to-date with the latest conference news and updates by following us on social media. Click on the social media icons to access our official pages where we share real-time information, announcements, and highlights from the event.



in APSS-ROBAC 2025

### **Conference Managed By**

Kenes MP Asia Pte Ltd 20 Kallang Avenue, PICO Creative Centre Level 2 Singapore 339411

# **Liability and Personal Insurance**

The Conference Secretariat and organisers cannot accept liability for personal accidents or loss of/damage to private property of participants, either during or indirectly arising from the Conference. We recommend that all participants take out personal travel and health insurance for the trip.



# Registration

# **Conference Digital Badge**

- Please note that your conference badge is personal and non-transferable.
- Your e-badge will be sent to your registered email address. Please ensure you have received
  it and keep it readily accessible, as it will be required for entry and participation
  throughout the conference.
- · Please refer to the below table for Conference opening hours:

Date	Time Malaysia (GMT+8)
20 June 2025, Friday – Pre-Conference Workshops	0730 - 1700
21 June 2025, Saturday – Day 1	0730 - 1700
22 June 2025, Sunday – Day 2	0730 – 1715

### e-Certificate of Attendance

e-Certificate of attendance will be sent via email 3 weeks after the conference.

## **Exhibition**

Exhibition Booths are at Level 4, Imperial Hotel.

### **Time Zone**

Malaysia, is 8 hours ahead of Greenwich Mean Time (GMT +8) and does not observe daylight savings time.

# Language

The official language of the Conference is English. All abstract submissions and presentations will be made in English.

#### **Internet Access**

Complimentary WIFI is available within the Conference venue.

# **Invited Speakers**





**Aaron Khoo** Malaysia



Adrian Sultan
Australia



Afifi Arshad Malaysia



**Alex Kim** Malaysia



Andrew McKechnie
United Kingdom



Angelina Chong Swee Ching Malaysia



Arney Abcejo
United States



**Becky Black**United Kingdom



**Chan Weng Ken** Malaysia



Dayang Shariza Abang Abdillah Malaysia



Elizabeth Rebello
United States



Frances Chung Canada



Hairil Rizal Singapore



Jamie Tan Wen Yen Malaysia



Jeffrey Pasternak
United States



Jonathan Tan
United States



Kho Boon Phiaw Malaysia



Luc De Baerdemaeker Belgium



Meghan Brooks
Lane-Fall
United States



Michelle Humeidan United States

# **Invited Speakers**





Naveen Eipe Canada



**Nik Ritza Kosai** Malaysia



Prit Anand Singh Singapore



Samuel Ern Hung Tsan Malaysia



Sebastian Sundaraj Malaysia



Shahridan Bin Mohd Fathil Malaysia



**Sophia Ang**Singapore



Sunna Saadan Malaysia



**Terence Siew**Malaysia



**Teo Shu Ching** Malaysia



**Tioh Beng Siong** Malaysia



Wong Wai Kit Malaysia





# 20 June 2025, Friday | Pre-Conference Workshops

Workshop Title	Workshop A1: Perioperative Medication Safety Workshop
Venue	Imperial Hotel, Kuching, Sarawak, Malaysia (Meeting Room: Danum 3, Level 5)
Time	0800 - 1200
Workshop Title	Workshop A2: Kiken Yochi Training (KYT) Workshop
Venue	Imperial Hotel, Kuching, Sarawak, Malaysia (Meeting Room: Danum 3, Level 5)
Time	1400 - 1700
Workshop Title	Workshop B: Bariatric Anaesthesia Workshop
Venue	Imperial Hotel, Kuching, Sarawak, Malaysia (Meeting Room: Danum 4 & 5, Level 5)
Time	0800 - 1700

Pre-Conference Workshop

Workshop A: Perioperative Medication Safety Workshop &
Kiken Yochi Training (KYT) Workshop
20 June 2025, Friday | Imperial Hotel, Kuching,
Sarawak, Malaysia, Danum 3, Level 5



Time	Programme	Faculty	
	Workshop A1: Perioperative Medication Safety Workshop		
0730 - 0800	Registration		
0800 - 0845	<ul> <li>Understanding Perioperative Medication Safety – The Basics</li> <li>Update on latest approach/research findings on medication safety e.g. Institute for Safe Medication Practices' recommendations</li> <li>Basic methods to improve medication safety</li> <li>Just culture and open disclosures when a medication error occur</li> </ul>	Kho Boon Phiaw (Malaysia)	
0845 - 0930	A Proactive Approach to Improve Perioperative Medication Safety Using HFMEA	Alex Kim (Malaysia)	
0930 – 1000	Coffee/Tea Break		
1000 – 1030	Shisa Kanko to Improve Medication Safety  • How it can be effectively used to reduce errors caused by lapses in concentration	Alex Kim (Malaysia)	
1030 – 1200	Practical Session  • Case studies and group discussion • Developing action plans to improve perioperative medication safety – what can be done now to improve medication safety in perioperative setting?	Kho Boon Phiaw (Malaysia) Alex Kim (Malaysia)	
1200 – 1215	Q&A		
1215 – 1400	Lunch and Friday prayer		

Time	Programme	Faculty	
	Workshop A2: Kiken Yochi Training (KYT) Workshop		
1400 – 1430	Applying KYT (Risk Prediction Training) to Improve Perioperative Patient Safety  • Concept of Heinrich's Triangle • Understanding At Risk Behaviours	Alex Kim (Malaysia)	
1430 – 1530	The Four Rounds Methods of KYT for Patient Safety (Case Scenarios- in Operation Theatre & Intensive Care Unit)	Alex Kim (Malaysia)	
1530 – 1600	Coffee/Tea Break		
1600 – 1630	Comparing KYT and HMFEA: A Tale of Two Proactive Safety Approaches	Alex Kim (Malaysia)	
1630 – 1700	Introduction to P-mSHELL Model for Patient Safety	Alex Kim (Malaysia)	
1700	Adjourn		

Pre-Conference Workshop
Workshop B: Bariatric Anaesthesia Workshop
20 June 2025, Friday | Imperial Hotel, Kuching,
Sarawak, Malaysia, Danum 4 & 5, Level 5



Time	Programme	Faculty
0730 – 0800	Registration	
0800 - 0930	Airway Management	Andrew Mckechnie (United Kingdom) Becky Black (United Kingdom)
0930 – 1000	Coffee/Tea Break	
1000 – 1100	Transnasal Humidified Rapid Insufflation Ventilatory Exchange (THRIVE)	Chan Weng Ken (Malaysia) Shahridan Fathil (Malaysia)
1100 – 1215	Acute Pain Management	Naveen Eipe (Canada)
1215 – 1400	Lunch and Friday prayer	
1400 – 1530	Acute Pain Management	Ahmad Afifi Mohd Arshad (Malaysia) Chan Weng Ken (Malaysia) Shahridan Fathil (Malaysia)
1530 – 1600	Coffee/Tea Break	
1600 – 1700	My Worst Case Ever! Navigating Traps and Perils in the High BMI Journey	Adrian Sultana (Australia)
1700	Adjourn	

# **Main Programme**

MAIN CONFERENCE DAY 1 21 June 2025, Saturday | The Waterfront Hotel, Kuchin



Time	Ranyai Ballroom APSS	Tubau 1 – 3 ROBAC
0730 - 1600	Registration	
0825 - 0830	Welcome Address Arney Abcejo (United States)	<b>Welcome Address</b> Naveen Eipe (Canada)
0830 - 1000	Symposium 1: The Vulnerable Brain Moderator: Samuel Tsan (Malaysia)	Symposium 2: Introduction to Obesity Moderator: Jamie Tan (Malaysia)
0830 - 0855	Preoperative Functional Conditioning Michelle Humeidan (United States)	<b>Why are Humans Obese?</b> Luc De Baerdemaeker (Belgium)
0855 - 0920	Perioperative Concussion Arney Abcejo (United States)	Obesity Pandemic, Perioperative Risk & Consent Becky Black (United Kingdom)
0920 - 0945	<b>The Developing Vulnerable Brain</b> Jonathan Tan (United States)	Obesity and the National Audit Project (NAP 4, 5 & 6) Andrew Mckechnie (United Kingdom)
0945 - 1000	Q&A	A3D
1000 - 1030	Coffee/Tea Bred	ak and Exhibition
Time	Ranyai I	Ballroom
1030 - 1115	Plenary 1: Stroke Updates  Jeffrey Pasternak (USA)  Moderator: Nazhan Afeef Mohd Ariff @ Ghazali (Malaysia)	
1115 - 1200	Plenary 2: Surgical Implications of Obesity - Lessons Learnt from Bariatric Surgery Nik Ritza Kosai Nik Mahmood (Malaysia) Moderator: Teo Shu Ching (Malaysia)	
1200 - 1400	<b>Lunch</b> Café Via Mare, Level 4	
1400 - 1530	Symposium 3: Operationalising Patient Safety Moderator: Alex Kim (Malaysia)	Symposium 4: Preoperative Preparation Moderator: Tioh Beng Siong (Malaysia)
1400 - 1425	Improving Patient Safety Culture - Can a Leopard Change Its Spots? Sophia Ang (Singapore)	Preoperative Preparation and Optimisation Chan Weng Ken (Malaysia)
1425 - 1450	Patient Blood Management Hairil Rizal Abdullah (Singapore)	<b>Drug Dosing in Obesity</b> Luc De Baerdemaeker (Belgium)
1450 - 1515	Medication Safety Elizabeth Rebello (United States)	Monitoring, POCUS & Neuraxial USG in Obesity Shahridan Fathil (Malaysia)
1515 - 1530	A3Q	A&Q
1530 - 1600	Coffee/Tea Break and Exhibition	
1600 - 1700	Symposium 5: Learning and Perioperative Patient Safety Moderator: Nazhan Afeef Mohd Ariff @ Ghazali (Malaysia)	Symposium 6: Special Populations and Situations Moderator: Sunna Saadan (Malaysia)
1600 - 1625	Learning from Non - Compliance and Unintended Consequences - The Challenging Road to Safety Sophia Ang (Singapore)	<b>Paediatric Obesity</b> Teo Shu Ching (Malaysia)
1625 - 1650	Machine Learning and Artificial Intelligence in Perioperative Care Hairil Rizal Abdullah (Singapore)	Ambulatory Surgery in Patients with Severe Obesity Becky Black (United Kingdom)
1650 - 1700	Q&A	Q&A
1700	End of Day 1	

# **Main Programme**

MAIN CONFERENCE DAY 2 22 June 2025, Sunday | The Waterfront Hotel, Kuching Sarawak, Malaysia



Time	Ranyai Ballroom APSS	Tubau 1 - 3 ROBAC
0730 - 1600	Registration	
0830 - 1000	Symposium 7: Changing Global Perioperative Patient Safety Moderator: Sebastian Sundaraj (Malaysia)	<b>Symposium 8: Airway Management</b> Moderator: Dayang Shariza Abang Abdillah (Malaysia)
0830 - 0855	Stoelting Conference 2024 Elizabeth Rebello (United States)	Airway Assessment in Patients with Severe Obesity Naveen Eipe (Canada)
0855 - 0920	Speaking Up for Patient Safety - How is Malaysia Faring? Alex Kim (Malaysia)	Airway Management in Obesity Prit Anand Singh (Singapore)
0920 - 0945	Emerging Technologies in Perioperative Patient Safety Jonathan Tan (United States)	Recent Advances and Airway Rescue in Severe Obesity Andrew Mckechnie (United Kingdom)
0945 - 1000	Q&A	Q&A
1000 - 1030	Coffee/Tea Bred	ak and Exhibition
Time	Ranyai I	Ballroom
1030 - 1115	Plenary 3: Obstructive Sleep Apnoea in Surgical Patients - Do We Care or Should We Care? Frances Chung (Canada)  Moderator: Shahridan Fathil (Malaysia)	
1115 - 1200	Plenary 4: Optimising Handoffs Meghan Lane-Fall (USA) Moderator: Terence Siew (Malaysia)	
1200 - 1400		nch Iare, Level 4
1400 - 1600	Symposium 9: Practical Considerations for Patient Safety Moderator: Aaron Khoo (Malaysia)	Symposium 10: Intraoperative Challenges Moderator: Angelina Chong (Malaysia)
1400 - 1425	Practical Considerations for Reducing Postoperative Cognitive Dysfunction Risk Michelle Humeidan (United States)	Anaesthetic Technique in Patients with Obesity Adrian Sultana (Australia)
1425 - 1450	Pulse Oximetry Updates Meghan Lane-Fall (United States)	Ventilatory Strategies in Bariatrics Luc De Baerdemaeker (Belgium)
1450 - 1515	<b>Safety in Regional Anaesthesia</b> Shahridan Fathil (Malaysia)	Analgesic Strategies & Regional Techniques Prit Anand Singh (Singapore)
1515 - 1530	A&Q	A&Q
1530 - 1600	Coffee/Tea Break and Exhibition	
1600 - 1700	Symposium 11: Clinical Safety in Neuroanaesthesia Moderator: Samuel Tsan (Malaysia)	Symposium 12: Improving Safety and Outcomes Moderator: Wong Wai Kit (Malaysia)
1600 - 1625	Venous Air Embolism Updates & Patient Positioning Arney Abcejo (United States)	Implementing ERAS in Bariatrics and Obesity Naveen Eipe (Canada)
1625 - 1650	Safety Considerations in Neuro Interventional Radiology Jeffrey Pasternak (United States)	Perioperative Safety and Complications Adrian Sultana (Australia)
1650 - 1700	Q&A	Q&A
1700 - 1715	Closing Ceremony & Award Presentations	
1715	Adjourn	

# **Plenary Sessions**



Time	Day 1   21 June 2025, Saturday   Ranyai Ballroom
1030 - 1115	Plenary 1: Stroke Updates Jeffrey Pasternak (USA) Moderator: Nazhan Afeef Mohd Ariff @ Ghazali (Malaysia)
1115 - 1200	Plenary 2: Surgical Implications of Obesity - Lessons Learnt from Bariatric Surgery Nik Ritza Kosai Nik Mahmood (Malaysia) Moderator: Teo Shu Ching (Malaysia)

Time	Day 2   22 June 2025, Sunday   Ranyai Ballroom
1030 - 1115	Plenary 3: Obstructive Sleep Apnoea in Surgical Patients - Do We Care or Should We Care? Frances Chung (Canada) Moderator: Shahridan Fathil (Malaysia)
1115 - 1200	Plenary 4: Optimising Handoffs Meghan Lane-Fall (USA) Moderator: Terence Siew (Malaysia)





# Day 1 | 21 June 2025, Saturday

Time	Ranyai Ballroom APSS	Tubau 1 – 3 ROBAC
0830 – 1000	<b>Symposium 1: The Vulnerable Brain</b> Moderator: Samuel Tsan (Malaysia)	Symposium 2: Introduction to Obesity Moderator: Jamie Tan (Malaysia)
0830 - 0855	Preoperative Functional Conditioning Michelle Humeidan (United States)	Why are Humans Obese? Luc De Baerdemaeker (Belgium)
0855 - 0920	<b>Perioperative Concussion</b> Arney Abcejo (United States)	Obesity Pandemic, Perioperative Risk & Consent Becky Black (United Kingdom)
0920 - 0945	The Developing Vulnerable Brain Jonathan Tan (United States)	Obesity and the National Audit Project (NAP 4, 5 & 6) Andrew Mckechnie (United Kingdom)
1400 – 1530	Symposium 3: Operationalising Patient Safety Moderator: Alex Kim (Malaysia)	Symposium 4: Preoperative Preparation Moderator: Tioh Beng Siong (Malaysia)
1400 – 1425	Improving Patient Safety Culture – Can a Leopard Change Its Spots? Sophia Ang (Singapore)	Preoperative Preparation and Optimisation Chan Weng Ken (Malaysia)
1425 – 1450	Patient Blood Management Hairil Rizal Abdullah (Singapore)	<b>Drug Dosing in Obesity</b> Luc De Baerdemaeker (Belgium)
1450 – 1515	Medication Safety Elizabeth Rebello (United States)	Monitoring, POCUS & Neuraxial USG in Obesity Shahridan Fathil (Malaysia)
1600 – 1700	Symposium 5: Learning and Perioperative Patient Safety Moderator: Nazhan Afeef Mohd Ariff @ Ghazali (Malaysia)	Symposium 6: Special Populations and Situations Moderator: Sunna Saadan (Malaysia)
1600 – 1625	Learning from Non - Compliance and Unintended Consequences - The Challenging Road to Safety Sophia Ang (Singapore)	<b>Paediatric Obesity</b> Teo Shu Ching (Malaysia)
1625 – 1650	Machine Learning and Artificial Intelligence in Perioperative Care Hairil Rizal Abdullah (Singapore)	Ambulatory Surgery in Patients with Severe Obesity Becky Black (United Kingdom)





# Day 2 | 22 June 2025, Sunday

Time	Ranyai Ballroom APSS	Tubau 1 – 3 ROBAC
0830 - 1000	Symposium 7: Changing Global Perioperative Patient Safety Moderator: Sebastian Sundaraj (Malaysia)	Symposium 8: Airway Management Moderator: Dayang Shariza Abang Abdillah (Malaysia)
0830 - 0855	Stoelting Conference 2024 Elizabeth Rebello (United States)	Airway Assessment in Patients with Severe Obesity Naveen Eipe (Canada)
0855 - 0920	Speaking Up for Patient Safety - How is Malaysia Faring? Alex Kim (Malaysia)	<b>Airway Management in Obesity</b> Prit Anand Singh (Singapore)
0920 - 0945	Emerging Technologies in Perioperative Patient Safety Jonathan Tan (United States)	Recent Advances and Airway Rescue in Severe Obesity Andrew Mckechnie (United Kingdom)
1400 - 1600	Symposium 9: Practical Considerations for Patient Safety Moderator: Aaron Khoo (Malaysia)	Symposium 10: Intraoperative Challenges Moderator: Angelina Chong (Malaysia)
1400 - 1425	Practical Considerations for Reducing Postoperative Cognitive Dysfunction Risk Michelle Humeidan (United States)	Anaesthetic Technique in Patients with Obesity Adrian Sultana (Australia)
1425 - 1450	Pulse Oximetry Updates Meghan Lane-Fall (United States)	Ventilatory Strategies in Bariatrics Luc De Baerdemaeker (Belgium)
1450 - 1515	<b>Safety in Regional Anaesthesia</b> Shahridan Fathil (Malaysia)	Analgesic Strategies & Regional Techniques Prit Anand Singh (Singapore)
1600 - 1700	Symposium 11: Clinical Safety in Neuroanaesthesia Moderator: Samuel Tsan (Malaysia)	Symposium 12: Improving Safety and Outcomes Moderator: Wong Wai Kit (Malaysia)
1600 - 1625	Venous Air Embolism Updates & Patient Positioning Arney Abcejo (United States)	Implementing ERAS in Bariatrics and Obesity Naveen Eipe (Canada)
1625 - 1650	Safety Considerations in Neuro Interventional Radiology Jeffrey Pasternak (United States)	Perioperative Safety and Complications Adrian Sultana (Australia)

# **Infographic Themes**





Perioperative Patient Safety and Quality



Perioperative Care of Patients with Obesity



Obesity and Bariatric Medicine



Bariatric Anaesthesia

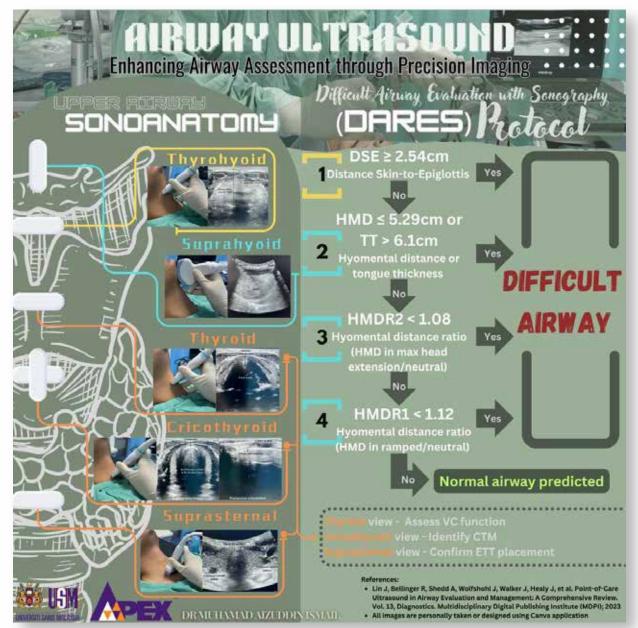


# Infographic Abstracts

Abstract No.	Topic Title	Full Name	
INF-0001	Airway Ultrasound: Enhancing Airway Assessment through Precision Imaging	Muhamad Aizuddin Ismail (Malaysia)	
INF-0002	Obesity Hypoventilation Syndrome	Emeline Lee Yian Ling (Malaysia)	
INF-0003	Bariatric Anaesthesia	Emeline Lee Yian Ling (Malaysia)	
INF-0005	Airway Management for MAC and Sedation in Bariatric Patients: The Armamentarium	Sharath Krishnaswami (India)	
INF-0006	Perioperative care in Bariatic Surgery	Syazana Fairuz Binti Sufian Chang (Malaysia)	
PS-0001	Complication of Using Trocar during Chest Tube Insertion: A Case of Laparotomy and Right Diaphragmatic Repair After Chest Tube	Jean Yin Tan (Malaysia)	
PS-0002	A 7-Year Retrospective Analysis of Perioperative Anaesthetic Management and Outcomes in Bariatric Surgery Patients at Hospital Universiti Sains Malaysia	Kavitha Kandasamy (Malaysia)	

# Infographic Submissions





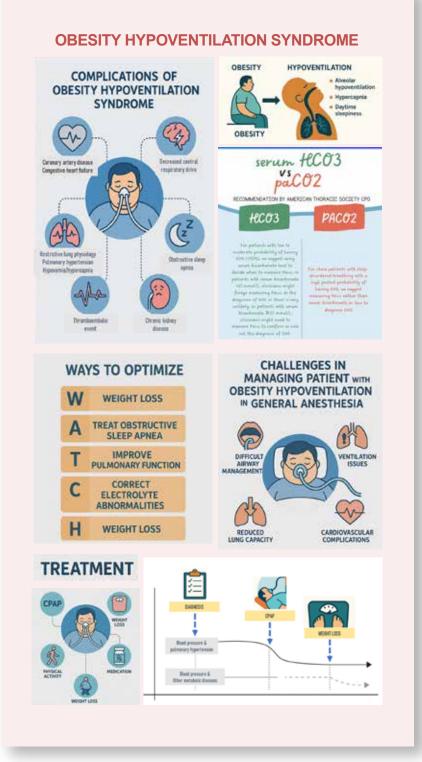
**INF-0001** 

Airway Ultrasound: Enhancing Airway Assessment through Precision Imaging

Muhamad Aizuddin Ismail

(Malaysia)

# Infographic Submissions



INF-0002
Obesity Hypoventilation Syndrome
Emeline Lee Yian Ling
(Malaysia)



# BARIATRIC ANESTHESIA KEY CONSIDERATIONS & PROTOCOLS

# 1 UNDERSTANDING BARIATRIC PATIENTS

- BMi ≥ 35-40 kg/m<sup>2</sup> with comorbidities
- ≥ 40 kg/m²

# Challenges:

- Difficult airway
- Reduced functional residual capacity (FRC)
- · Increased aspirationrisk

• Comorbidities: QSA, DM HTN, GTN, GERD

# 2 PREOPERATIVE ASSESSMENT

- B BMI & Body habitus
- I Investigations (labs, ECG, sleep study)
- G GERD/aspiration risk
- L Lung status (FRC, OSA)
- O Obstructive sleep apnea (STOPBANG)
- A Airway assessment
- D Diabetes & other comorbidities

#### Investigations

- ECG, echocardiogram (if indicated
- Sleep study
- HbA1c, electrolytes liver function

# 4 INTRAOPERATIVE ANESTHESIA

- R Ramped positioning, RSI
- O Oxygenation (pre-oxygenate with CPAP)
- D Devices (video laryngoscope, bougie, etc.)
- S Suction ready
- S Second plan (LMA, fiberoptic)



# 6 POSTOPERATIVE CARE

- **S** Saturation (monitor closely)
- O Oxygen/CPAP
- A Analgesia (multimodal, avoid excess opioids)
- **P** Position (head-up, early ambulation

#### Tips:

 Always optimize comorbidities pre op

INF-0003
Bariatric Anaesthesia
Emeline Lee Yian Ling
(Malaysia)





# AIRWAY MANAGEMENT FOR MAC AND SEDATION IN BARIATRIC PATIENTS: THE ARMAMENTARIUM

Dr. Sharath Krishnaswami

Attending Consultant, Department of Neuroanaesthesia, Indraprastha Apollo Hospital, New Delhi, India

drsharathkrishnaswami@gmail.com

#### Introduction

Increased adiposity in patients with obesity alters anatomy and physiology which complicates perioperative airway management. Increased adipose tissue deposition in the pharynx and hypopharynx results in narrowing of the airway. A larger tongue is more difficult to displace in the submental space for adequate exposure during laryngoscopy.

This necessitates specialized airway management for such patients for short procedures in the Operation Theater or the ICU without needing intubation and mechanical ventilation. We discuss three methods of maintaining the airway using the following equipment.

#### The Equipment

#### Laryngeal Mask Airway: iGel

The iGel offers advantages such as easy and speedy insertion, reduced trauma to tissues, high seal pressure and stability. The igel offers a good seal around the larynx ensuring effective ventilation and oxygenation. It offers an epiglottic rest and reduces the possibility of epiglottis 'down folding' and causing airway obstruction.

#### **High Frequency Nasal Oxygenation**

It can provide CPAP at high flow rates and washes out  ${\rm CO}_2$  from the respiratory dead space. It assists oxygen diffusion into the alveoli and reduces airway resistance and the work of breathing. It can be used to improve pre oxygenation before induction and providing oxygenation during awake fibreoptic intubation

#### Nasopharyngeal airway with Endotracheal tube connector

A nasopharyngeal airway (NPA) can be used with an endotracheal tube (ETT) connector to facilitate nasal intubation or to provide a temporary airway while transitioning to an ETT. This is particularly useful in situations like fiberoptic intubation or when nasotracheal intubation is preferred. The benefits include improved comfort for the patient, reduced trauma and bleeding and a facilitator for difficult intubation. The method involves insertion of the nasopharyngeal tube and connecting it to an endotracheal tube connector and then ventilating the patient using a Bain's circuit.

Topic: Perioperative Care of Patients with Obesity





**INF-0005** 

Airway Management for MAC and Sedation in Bariatric Patients: The Armamentarium Sharath Krishnaswami (India)

# Infographic Submissions



INF-0006

Perioperative care in Bariatic Surgery

Syazana Fairuz Binti Sufian Chang

(Malaysia)



# **Infographic Submissions**

# Complication of using trocar during chest tube insertion: a case of laparotomy and right diaphragmatic repair after chest tube insertion

by Dr. Jean Yin Tan, Cr. Poli Yi Khoo, Dr. Kar Man Mark, Cr. Zulhasrizal bin Zulkiffi

Anaesthesiology and Critical Care Department, Hospital Tengku Permalsuri Norashikin, Bandar Kajang, 43003 Kajang, Selangor Danil Ehsan, Malaysia

# Objectives

To highlight an interesting case which showed complications of using trocar during chest tube insertion

To critically review the management with regards perioperative patient safety and quality

# .

#### Methods

Case report and literature review

# 0

## Discussion

A 30-year-old patient, social smoker, vaper and ex-marine engineer, presented with worsening dyspinea and left-sided chest pain for two weeks. Chest X- ray (CXR) revealed bilateral pneumothorax, bilateral chest tubes were inserted and removed after the symptoms were reflered. However, or Gay 6 of admission, patient developed a massive right-sided pneumothorax. Pight chest tube were re-inserted using a trocar as it was a complicated pracedure due to patients body habitus. Unfortunately, post procedure CXR showed tube malgosition and contract-enhanced CT revealed disphragmatic perferotion and liver lacerotion.













#### Results



Laparetomy and chest tube reinsertion were performed. Intraoperatively, the right disphragm had a 15cm x 1.5 cm defect as well as liver laceration at Segment VII. Proper surgical repair was performed. Postoperatively, patient managed and extubated in ICU. Patient was counseled regarding complications of chest tube insertion. Quality improvement meeting (QIM) was done involving multidisplinary team.

#### Conclusion

This case report highlight the complications of using trocar during chest tube insertion causing diaphragmatic injury and liver laceration. Patient courselling and OIM are important aspects of perioperative safety.

#### PS-0001

Complication of Using Trocar during Chest Tube Insertion: A Case of Laparotomy and Right Diaphragmatic Repair After Chest Tube

Jean Yin Tan (Malaysia)





#### A 7-YEAR RETROSPECTIVE REVIEW OF PERIOPERATIVE ANAESTHETIC MANAGEMENT AND OUTCOMES OF PATIENTS WHO UNDERWENT BARIATRIC SURGERY IN HUSM

Kavitha Kandasamy<sup>1</sup>, Laila Ab Mukmin<sup>1</sup>, Sanihah Che Omar<sup>1</sup>, Mohd Nizam Md Hashim<sup>2</sup>, Zaidi Zakaria<sup>2</sup>, Rajkumar Vinayak<sup>2</sup>, Wan Fadzlina Wan Muhd Shukeri<sup>1</sup> of Annesthesiology and Intensive Care, University of Sains Malaysia <sup>2</sup> Department of Bariatric Surgery, University of Sains Malaysia

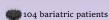
As the efficacy of bariatric surgery gains recognition, it becomes imperative to evaluate the perioperative anaesthetic management and outcomes associated, which is particularly pertinent given the unique challenges posed by these patient population with a higher risk of comorbidities.

To evaluate the major perioperative anaesthetic management strategies and the incidence of HDU admission after bariatric surgery

# Retrospective cohort







35 (33.7)

108 (36)

Table 1 Baseline characteristics of patients who underwent				
bariatric surgery in HUSM between 2016 to 2022				
Variables	Mean (SD) or			
	Frequency (%)			
	(n = 104)			
Demographic Characteristics				
Age (years)	42.5 (9.7)			
Gender				
Female	71 (68.3)			
Male	33 (31.7)			
Body mass index (kg/m²)	49.6 (11.3)			
Clinical Characteristics				
Number of comorbidities				
Nil	16 (15.4)			
One	24 (23.1)			
Two	35 (33.7)			
Three	19 (18.3)			
Four	10 (9.6)			
Type of comorbidities				
Obstructive sleep apnoea	59 (56.7)			
Hypertension	41 (39.4)			
Diabetes mellitus	34 (32.7)			
Knee osteoarthritis	33 (31.7)			
Bronchial asthma	14 (13.5)			
Ishaemic heart disease	3 (2.9)			
Congestive cardiac failure	О			
Smoking	5 (4.8)			
Type of bariatric surgery				
Laparoscopic sleeve gastrectomy	69 (66.3)			

Figure 1 Proportion of high-dependency unit admission after bariatric surgery in HUSM from 2016 to 2022

Laparoscopic gastric bypass

Duration of surgery (min)

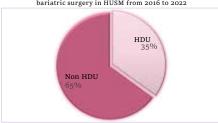


Table 2 Major perioperative anaesthetic aspects of patients who underwent bariatric surgery in HUSM between 2016 to 2022

Variables	Frequency (%) (n = 104)
Difficult intubation	0 (0)
Intubation techniques Video laryngoscopes in ramped position Awake fibreoptic intubations	104 (100) 0 (0)
Arterial line insertion	19 (18.3)
Central venous line insertion	3 (2.9)
Train-of-four monitoring	21 (20.2)
Maintenance of anaesthesia Desflurane Sevoflurane Total intravenous anaesthesia	83 (79.8) 14 (13.5) 7 (6.7)
Sugammadex reversal	99 (95.2)
Post-operative analgesic techniques IV non-opioid analgesia IV patient-controlled opioid analgesia	100 (96.2) 4 (3.8)

Table 3 Factors determining the decision for postoperative highdependency unit admissions in patients who underwent bariatric surgery in HUSM between 2016 to 2022

	Odds ratio (95% confidence interval) (n = 104)	P-value
Age (years)	1.0 (0.958-1.043)	0.989
Gender Female Male	1.1 (0.472-2.653) 1	0.798
Body mass index (kg/m²)	1.1 (1.006-1.084)	0.022
Clinical Characteristics		
Number of comorbidities One or more Nil	1.5 (1.047-2.160) 1	0.027
Type of comorbidities Obstructive sleep apnoea Hypertension Diabetes mellitus Knee osteoarthritis Bronchial asthma Ishaemic heart disease Smoking	3.375 (1.383-8.236) 1.035 (0.452-2.368) 1.527 (0.653-3.570) 1.087 (0.454-2.601) 2.103 (0.675-6.558) 1.061 (0.093-12.110) 1.3 (0.203-7.998)	0.008 0.935 0.328 0.851 0.200 0.962 0.796
Type of bariatric surgery Laparoscopic sleeve gastrectomy Laparoscopic gastric bypass	0.7 (0.274-1.595) 1	0.358
Duration of surgery (min)	2.1 (1.033-4.078)	0.040

- A multidisciplinary approach in perioperative care to mitigate the associated risks.

  Obesity-related diseases such as OSA are highly prevalent
- in our bariatric patients.

  The incidence of difficult intubation was virtually none
- using video laryngoscopes as the sole tool in ramped position.

  HDU admission was relatively high compared to the international data. This may be attributed to inadequate capacity of our general ward for close monitoring.

## PS-0002

A 7-Year Retrospective Analysis of Perioperative Anaesthetic Management and Outcomes in Bariatric Surgery Patients at Hospital Universiti Sains Malaysia

**Kavitha Kandasamy** (Malaysia)



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