



Malaysian Society of Paediatric  
Anaesthesiologists (MSPA)



Asian Society of Paediatric  
Anaesthesiologists

In collaboration with:



College of  
Anaesthesiologists, AMM



Malaysian Society  
of Anaesthesiologists

# ASPA 2024

## 20<sup>th</sup> ASPA Conference & 3<sup>rd</sup> Paediatric Anaesthesia Meeting of MSPA

**SAFE: Safe & Sustainable Anaesthesia For Every Child**

**11-14 July 2024**

**Borneo Convention Centre, Kuching (BCKK)**



**20 MMA/  
MyCPD/  
NSR  
points**

For more information, please visit the website



## WELCOME MESSAGE

CHAIRPERSON, ORGANISING COMMITTEE



**Dr Ina Ismiarti Shariffuddin**

*Chairperson, Organising Committee*

*President, Malaysian Society of Paediatric Anaesthesiologists*

Assalamualaikum and Hello,

On behalf of the Organising Committee, I warmly welcome you to the 20th ASPA Conference & 3rd Paediatric Anaesthesia Meeting of MSPA.

The conference theme, "SAFE: Safe and Sustainable Anaesthesia For Every Child", has been carefully chosen to focus on enhancing patient outcomes and ensuring the well-being of every child. For many years, ASPA, together with MSPA, has made tremendous contributions in research, teaching, and practice, resulting in significant impacts in Paediatric Anaesthesia across the world, particularly Asia.

At this conference, let us celebrate the achievements of our professional community. Our future lies in creating even greater value for all corners of the globe. This conference serves as a platform for us to share our thoughts and exchange ideas on how to chart our journey to reach new heights. We have an exciting scientific programme crafted by our scientific committee, led by Assoc. Professor Dr. Rufinah Teo, which will allow our members and delegates to reflect upon and jointly explore current and future research directions in Paediatric Anaesthesia. Additionally, we have arranged fantastic social activities for all delegates to celebrate our past accomplishments, renew friendships, and extend our networks into the future.

Putting together a conference of this magnitude is no small task. I personally want to thank ASPA for giving MSPA the opportunity to be part of their programme with wisdom and guidance. To all my organising and scientific committee members, and not forgetting the local organising committee members, I extend my deepest gratitude for their tireless efforts to bring everything together seamlessly. I would also like to thank the secretariat team, led by Ms. Marianne, and the biomedical industries for their unwavering support.

A huge thanks to all our overseas and local invited speakers, who have traveled from all parts of the continent to support this conference. Lastly, my heartfelt thanks to all conference participants for making the time to be present here today. I hope you will have a productive and enjoyable time at this conference.

Enjoy the conference!



# ASPA 2024

11-14 July 2024 | Borneo Convention Centre, Kuching, Sarawak



## WELCOME MESSAGE

PRESIDENT, ASIAN SOCIETY OF PEDIATRIC ANESTHESIOLOGISTS (ASPA)



**Dr Zehra Serpil Ustalar Özgen**

*President, Asian Society of Pediatric Anesthesiologists (ASPA)*

Dear Colleagues and Friends,

It is with immense pleasure and excitement that I welcome you to the 20th Meeting of the Asian Society of Pediatric Anesthesiologists, held in conjunction with the 3rd Meeting of the Malaysian Society of Pediatric Anesthesiologists in the beautiful city of Kuching, Malaysia. This year's theme, "Safe and Sustainable Anesthesia for Every Child," underscores our unwavering commitment to advancing pediatric anesthesia across Asia and beyond.

Kuching, with its rich cultural heritage and vibrant community, provides a fitting backdrop for our gathering. As we converge in this enchanting city, we are reminded of the diversity and unity that define our profession. The dynamic blend of tradition and innovation here in Kuching mirrors our own journey in pediatric anesthesia, where we continually strive to blend time-tested practices with cutting-edge advancements.

Our conference program is meticulously curated to reflect the latest developments in pediatric anesthesia. Featuring a diverse array of sessions, from groundbreaking research presentations to hands-on workshops, the program aims to equip you with the knowledge and skills needed to deliver safe and sustainable anesthesia care. Renowned experts from around the globe will share their insights, fostering an environment of learning and collaboration that will undoubtedly benefit all participants.

We have included numerous opportunities for networking and professional growth. The interactions you have here will not only enrich your practice but also contribute to the collective advancement of pediatric anesthesia across our region. Let us take full advantage of these opportunities to exchange ideas, share experiences, and forge lasting connections. Let us all join with the vast ASPA family for the sake of our tiny, little patients in terms of achieving excellence in serving, learning and teaching.

On behalf of the Asian Society of Pediatric Anesthesiologists, I extend my deepest gratitude to our hosts, sponsors, speakers, and all attendees for making this event possible. Your dedication and participation are what drive our continuous progress in this vital field.

Welcome to Kuching, and here's to a fruitful and inspiring meeting!



## WELCOME MESSAGE

CHAIRPERSON, SCIENTIFIC COMMITTEE



**Dr. Rufinah Teo**  
*Chairperson, Scientific Committee*

Dear Esteemed Colleagues and Friends,

It is with great pleasure that I welcome you to the 20th ASPA Conference, in conjunction with 3rd Paediatric Anaesthesia Meeting of MSPA.

This book encapsulates the diverse leading researchers, practitioners and educators from around the world, fostering a unique environment for knowledge exchange and growth. Immersed with our conference's theme, 'SAFE: Safe and Sustainable Anaesthesia for Every Child', I hope you find inspiration and valuable insights to your research and professional endeavours.

To all the members of the faculty, organising and scientific committee, our wonderful delegates, thank you for being part of this vibrant scientific community. Let's foster collaborations that will drive our field forward.

Last but not least, enjoy 'Cat City', a vibrant tapestry of diverse cultures and traditions, which provide a picturesque backdrop for our gathering.

Selamat Datang!

# ASPA 2024

11-14 July 2024 | Borneo Convention Centre, Kuching, Sarawak

## ORGANISING COMMITTEE

Dr Hamidah Ismail  
Dr Ina Ismiarti Shariffuddin  
Dr Sanah Mohtar  
Dr Intan Zarina Fakir Mohamed  
Dr Foo Sze Yuen  
Dr Sivaraj Chandran  
Dr Phang Ye Yun  
Dr Chaw Sook Hui  
Dr Teo Shu Ching

Advisor  
Chairperson, Organising Committee  
Honorary Secretary  
Honorary Treasurer  
Trade and Sponsors  
Trade and Sponsors  
Publicity and Publication  
Publicity and Publication  
Local Organising Committee

## SCIENTIFIC COMMITTEE

Dr Rufinah Teo  
Dr Felicia Lim Siew Kiau  
Dr Sanah Mohtar  
Dr Nur Hafiizhoh Abd Hamid  
Dr Shariffah Raguan Syed Othman  
Dr Usha Nair

Scientific Chairperson  
Scientific Committee  
Scientific Committee  
Scientific Committee  
Scientific Committee  
Scientific Committee

## ASPA EXECUTIVE COMMITTEE 2023-25

President  
President Elect  
Honorary Secretary  
Honorary Treasurer  
Committee Members

Dr Zehra Serpil Ustalar Özgen  
Dr Vrushali Ponde  
Dr Vibhavari Naik  
Dr Tracy Tan  
Dr Jin-Tae Kim  
Dr Rufinah Teo  
Dr Gezy Giwangkancana  
Dr Soichiro Obara  
Dr Ina Ismiarti Shariffuddin  
Dr Ekta Rai  
Dr Duenpen Horatanaruang  
Dr Joy Luat-Inciong  
Dr Sokha Tep  
Dr Vivian Yuen  
Dr Hee-Soo Kim

Turkey  
India  
India  
Singapore  
South Korea  
Malaysia  
Indonesia  
Japan  
Malaysia  
India  
Thailand  
Philippines  
Cambodia  
Hong Kong  
South Korea

Internal Auditors

## CONFERENCE SECRETARIAT

**For further assistance and enquiries:**

Email : [secretariat@aspa2024.com](mailto:secretariat@aspa2024.com)  
Contact : (65) 98334651  
Attention : Ms Marianne Yee

**Mailing Address:**

DC208, Batu Kawah New Township  
Jalan Batu Kawa, 93250 Kuching  
Sarawak, Malaysia



# ASPA 2024

11-14 July 2024 | Borneo Convention Centre, Kuching, Sarawak

## INVITED FACULTY



### AUSTRALIA

**Dr Andrew Davidson**  
*The Royal Children's Hospital*



### CAMBODIA

**Dr Sokha Tep**  
*National Pediatric Hospital*



### CHINA

**Dr Jijian Zheng**  
*Shanghai Children's Medical Center*  
**Dr Liqun Yang**  
*Renji Hospital*



### GERMANY

**Dr Christian Hönemann**  
*St. Marienhospital Vechta*



### HONG KONG SAR

**Dr Manoj Kumar Karmakar**  
*The Chinese University of Hong Kong*  
**Dr Rowena Lee**  
*Hong Kong Children's Hospital*  
**Dr Vivian Yuen**  
*Hong Kong Children's Hospital*



### INDIA

**Dr Ekta Rai**  
*Christian Medical College, Vellore*  
**Dr Elsa Varghese**  
*IAPA*  
**Dr Rebecca Jacob**  
*SMILE TRAIN*  
**Dr Vibhavari Naik**  
*Basavataarakam Indo American Cancer Hospital & Research Institute*  
**Dr Vrushali Ponde**  
*Surya Children's Hospital*



### INDONESIA

**Dr Andi Ade Wijaya**  
*University of Indonesia*  
**Dr Gezy Giwangkancana**  
*Dr Hasan Sadikin National Referral Hospital*  
**Dr Susilo Chandra**  
*Cipto Mangunkusumo Hospital*



### ITALY

**Dr Nicola Disma**  
*IRCCS Istituto Giannina Gaslini*



### JAPAN

**Dr Masao Yamashita**  
*Komatsu Orthopaedic Clinic*  
**Dr Norifumi Kuratani**  
*Saitama Children's Medical Center*  
**Dr Soichiro Obara**  
*Teikyo University*  
**Dr Taiki Kojima**  
*Aichi Children's Health and Medical Center*



### MALAYSIA

**Dr Felicia Lim Siew Kiau**  
*UKM Specialist Children's Hospital*  
**Dr Foo Sze Yuen**  
*Thomson Hospital*  
**Dr Hamidah Ismail**  
*Sunway Medical Centre*  
**Dr Ina Ismiarti Shariffuddin**  
*University of Malaya*  
**Dr Intan Zarina Fakir Mohamed**  
*Hospital Tunku Azizah*  
**Dr Kevin Ng Wei Shan**  
*University of Malaya*  
**Dr Muhammad Habibullah Zakaria**  
*Hospital Sultanah Nur Zahirah*  
**Dr Nur Hafizhoh Abd Hamid**  
*Hospital Sultanah Bahiyah*  
**Dr Rufinah Teo**  
*The National University of Malaysia*  
**Dr Sanah Mohtar**  
*Sarawak General Hospital*  
**Dr Shariffah Raguan Syed Othman**  
*Penang General Hospital*  
**Dr Sivaraj Chandran**  
*Pantai Hospital*  
**Dr Teo Shu Ching**  
*Sarawak General Hospital*  
**Dr Usha Nair**  
*Hospital Raja Permaisuri Bainun*  
**Dr Ye Yun Phang**  
*Hospital Tunku Azizah*

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## INVITED FACULTY



### NEPAL

**Dr Bashu Dev Parajuli**  
*Tribhuvan University Teaching Hospital*  
**Dr Bishwas Pradhan**  
*Institute of Medicine, Tribhuvan University*  
**Dr Ritu Pradhan**  
*Bir Hospital*



### PAKISTAN

**Dr Fauzia Anis Khan**  
*Aga Khan University*



### PHILIPPINES

**Dr Erlinda C. Oracion**  
*Rizal Medical Center*  
**Dr Marichu Battad**  
*Philippine Children's Medical Center*



### SINGAPORE

**Dr Agnes Ng**  
*KK Women's and Children's Hospital*  
**Dr Angela Yeo**  
*KK Women's and Children's Hospital*  
**Dr Evangeline Lim Hua Ling**  
*KK Women's and Children's Hospital*  
**Dr Lim Suan Ling**  
*KK Women's and Children's Hospital*  
**Dr Siow Yew Nam**  
*KK Women's and Children's Hospital*  
**Dr Teddy Suratos Fabila**  
*KK Women's and Children's Hospital*



### SOUTH KOREA

**Dr Hee-Soo Kim**  
*Seoul National University Hospital*  
**Dr Jin-Tae Kim**  
*Seoul National University Hospital*  
**Dr Lee Jeongrim**  
*Severance Hospital*



### SRI LANKA

**Dr Mitrajee Premaratne**  
*Colombo North Teaching Hospital*



### THAILAND

**Dr Pichaya Waitayawinyu**  
*Siriraj Hospital*  
**Dr Sirikarn Siripruekpong**  
*Prince of Songkla University*



### TÜRKIYE

**Dr Dilek Altun**  
*Acibadem MAA University*  
**Dr Duygu Kara**  
*Aydin Adnan Menderes University Medical Centre*  
**Dr Zehra Serpil Ustalar Özgen**  
*Acibadem MAA University*



### USA

**Dr Mohammad Irfan Suleman**  
*Johns Hopkins University*  
**Dr Muhammad B. Rafique**  
*Loyola University Chicago*  
**Dr Thorsten Haas**  
*University of Florida*



### VIETNAM

**Dr Thảo Giang Thach**  
*Vietnam National Children's Hospital*

## SMILE TRAIN FACULTY



**Dr Rebecca Jacob**  
*Smile Train, India*



**Dr Elizeus Hanindito**  
*St. Vincentius A Paulo Catholic Hospital*



**Dr Duenpen Horatanaruang**  
*Queen Sirikit National Institute of Child Health*



**Dr Anna Therese G. Bautista**  
*Cardinal Santos Medical Center*



**Dr Teresita Batanes**  
*UERM Medical Center*

# ASPA 2024

11-14 July 2024 | Borneo Convention Centre, Kuching, Sarawak

## DETAILED CONFERENCE PROGRAMME

### DAY 1: FRIDAY, 12 JULY 2024

TIME	HALL A	HALL B	ROOM 14
0800 - 0900	REGISTRATION		
0900 - 0915	<b>WELCOME SPEECH - HALL A</b> <i>Teo Shu Ching / Rufinah Teo</i>		
0915 - 1000	<b>PLENARY LECTURE 1 - HALL A</b> <b>Andrew Davidson (Australia)</b> Research in Children and Young People: Ethics and Challenges <i>Chairperson: Rufinah Teo</i>		
1000 - 1020	COFFEE BREAK and TRADE EXHIBITION		
	<b>SYMPOSIUM 1: CHILDREN'S ACADEMY</b> <i>Chairpersons:</i> <i>Masao Yamashita / Vrushali Ponde</i>	<b>SYMPOSIUM 2: NORA</b> <i>Chairpersons:</i> <i>Erlinda C. Oracion / Felicia Lim Siew Kiau</i>	<b>PBL SMILE TRAIN</b> <b>Crisis Detection and Management During Cleft Surgeries</b> 1020 - 1140 <i>Chairperson:</i> <i>Anna Theresa Bautista</i>
1020 - 1035	<b>Soichiro Obara (Japan)</b> PEACH in ASIA: Preliminary Findings	<b>Evangeline Lim (Singapore)</b> NORA for Special Needs Kids	
1035 - 1050	<b>Nicola Disma (Italy)</b> Road to Excellence for Neonatal Airway Management	<b>Sivaraj Chandran (Malaysia)</b> Interventional Radiological Procedures: What We Need to Know	
1050 - 1105	<b>Jin-Tae Kim (South Korea)</b> POCUS in Paediatrics: Transforming the Way We Learn	<b>Zehra Serpil Ustalar Özgen (Türkiye)</b> Safe Extubation in NORA	
1105 - 1120	<b>Taiki Kojima (Japan)</b> How to Start a Registry Study	<b>Jijian Zheng (China)</b> Current Situation of Moderate and Deep Sedation in China: Opportunities and Challenges	
1120 - 1140	Q&A	Q&A	
1140 - 1225	<b>LUNCH SYMPOSIUM (OCTAPharma) - HALL A</b> <b>Thorsten Haas (USA)</b> Is There a Need for Fibrinogen Concentrate? <i>Chairperson: Ina Ismiarti Shariffuddin</i>		
1225 - 1400	<b>FRIDAY PRAYERS TRADE EXHIBITION</b>		<b>CRICKET ROUND TABLE DISCUSSION</b> 1230 - 1330
	<b>SYMPOSIUM 3: SAFETY &amp; QUALITY IMPROVEMENT</b> <i>Chairpersons:</i> <i>Sivaraj Chandran / Usha Nair</i>	<b>SYMPOSIUM 4: SPECIAL CONSIDERATIONS</b> <i>Chairpersons:</i> <i>Anna Theresa Bautista / Dilek Altun</i>	<b>BEST POSTER PRESENTATION</b> 1400 - 1520
1400 - 1415	<b>Vivian Yuen (Hong Kong SAR)</b> The Stories of Safety Checklist	<b>Liqun Yang (China)</b> Anaesthesia for Paediatric Living Related Liver Transplant	
1415 - 1430	<b>Erlinda C. Oracion (Philippines)</b> Preventing Medication Errors	<b>Masao Yamashita (Japan)</b> Getting Started: ABC of Literature Search	
1430 - 1445	<b>Elsa Varghese (India)</b> Monitoring: Common Problems and Possible Solutions	<b>Lim Suan Ling (Singapore)</b> Anaesthesia for Scoliosis: Updates in ERAS	
1445 - 1500	<b>Siow Yew Nam (Singapore)</b> Role of Technology in Patient Safety	<b>Ekta Rai (India)</b> Role of POCUS in Perioperative Fluid Resuscitation	
1500 - 1520	Q&A	Q&A	
1520 - 1600	<b>PLENARY LECTURE 2 - HALL A</b> <b>Norifumi Kuratani (Japan)</b> Safe Paediatric Anaesthesia Worldwide <i>Chairperson: Elsa Varghese</i>		
1600 - 1700	<b>OPENING CEREMONY - HALL A</b> (ASPA Annual General Meeting will be held after the Opening Ceremony at Hall A)		



## DETAILED CONFERENCE PROGRAMME

### DAY 2: SATURDAY, 13 JULY 2024

TIME	HALL A	HALL B	ROOM 14
0830 - 0915	<b>PLENARY LECTURE 3 - HALL A</b> <b>M-Irfan Suleman (USA)</b> Beyond Opioids: Management of Chronic Pain in Children and Adolescents <i>Chairperson: Rufinah Teo</i>		
	<b>SYMPOSIUM 5: PERSONALISING PAIN SERVICES</b> <i>Chairpersons: Ruwaida Isa / Shariffah Raguan Syed Othman</i>	<b>SYMPOSIUM 6: ALL ABOUT THE BRAIN</b> <i>Chairpersons: Siow Yew Nam / Vivian Yuen</i>	<b>ORAL PRESENTATION (NON-COMPETITIVE) ROOM 8 0930 - 1540</b>
0915 - 0930	<b>Phang Ye Yun (Malaysia)</b> Unique Challenges in Traumatic Pain	<b>Hee-Soo Kim (South Korea)</b> Challenges During Intraoperative Brain Mapping	
0930 - 0945	<b>Angela Yeo (Singapore)</b> Obscure Diagnoses in a Paediatric Pain Clinic	<b>Fauzia Khan (Pakistan)</b> Protecting the Paediatric Brain: Current Concepts	
0945 - 1000	<b>Jeong-Rim Lee (South Korea)</b> Routing Comfort of Children: Navigating Pain After Airway Surgery	<b>Pichaya Waitayawinyu (Thailand)</b> Anaesthesia for Craniosynostosis: Optimising Outcomes	
1000 - 1015	<b>Teddy Suratos Fabila (Singapore)</b> Does 'ChildKind' Matter?	<b>Andrew Davidson (Australia)</b> Integration of Neuromonitoring Technologies into Practice: Opportunities Ahead	
1015 - 1035	<b>Q&amp;A</b>	<b>Q&amp;A</b>	
1035 - 1055	<b>COFFEE BREAK and TRADE EXHIBITION</b>		
	<b>SYMPOSIUM 7: HEART AND LUNG HEALTH</b> <i>Chairpersons: Hamidah Ismail / Muhammad Habibullah Zakaria</i>	<b>SYMPOSIUM 8: DRUGS &amp; INTERVENTION</b> <i>Chairpersons: Ruwaida Isa / Yoga Bhavani M Shanmuganathan</i>	<b>MEET THE RESEARCH EXPERT 1055 - 1215</b>  Mastering the Art of Observational and Registry Studies: From Starting Strong to Achieving Excellence  <i>Chairperson: Ina Ismiarti Shariffuddin</i>
1055 - 1110	<b>Dilek Altun (Türkiye)</b> Pulmonary Hypertension	<b>Teo Shu Ching (Malaysia)</b> TIVA Updates in Children: New Models	
1110 - 1125	<b>Rowena Lee (Hong Kong SAR)</b> Perioperative Echo for Cardiac Surgery	<b>Norifumi Kuratani (Japan)</b> Remimazolam: Practical Tips	
1125 - 1140	<b>Tháo Giang Thach (Vietnam)</b> Lung Protection and Alveolar Recruitment During Lung Isolation	<b>Zehra Serpil Ustalar Özgen (Türkiye)</b> Dexmedetomidine in Children	
1140 - 1155	<b>Muhammad B. Rafique (USA)</b> Secrets of Paediatric Pacemakers	<b>Susilo Chandra (Indonesia)</b> Opioid Free Anaesthesia	
1155 - 1210	<b>Bishwas Pradhan (Nepal)</b> Tetralogy of Fallot: Management & Analysis of Outcomes		
1210 - 1230	<b>Q&amp;A</b>	<b>Q&amp;A</b>	
1230 - 1315	<b>LUNCH SYMPOSIUM (MSD) - HALL A</b> <b>Nicola Disma (Italy)</b> Neuromuscular Block Management in Paediatric Anaesthesia <i>Chairperson: Rufinah Teo</i>		
1315 - 1330	<b>INTRODUCTION TO ASPA 2025 - HALL A</b>		
1330 - 1415	<b>PLENARY LECTURE 4 - HALL A</b> <b>Christian Hönemann (Germany)</b> Low Flow Anaesthesia: Revolutionising Patient Care <i>Chairperson: Teo Shu Ching</i>		
	<b>SYMPOSIUM 9: JOURNEY OF GROWTH: TALES FROM CITIES</b> <i>Chairpersons: Agnes Ng / Rebecca Jacob</i>	<b>SYMPOSIUM 10: AIRWAY: EASY-BREEZY OR AWRY</b> <i>Chairpersons: Wong Wai Hong / Yoga Bhavani M Shanmuganathan</i>	<b>IN-CONGRESS WORKSHOP Perioperative POCUS in Children 1415 - 1615</b>  <i>Chairperson: Nur Hafizhoh Abd Hamid</i>
1415 - 1430	<b>Ritu Pradhan (Nepal)</b> Anaesthetic Challenges in Paediatric Neurosurgery	<b>Foo Sze Yuen (Malaysia)</b> RSI in Children: What NOT to do	
1430 - 1445	<b>Mitrajeet Premaratne (Sri Lanka)</b> Maxillofacial Surgery: Managing Postoperative Issues	<b>Vivian Yuen (Hong Kong SAR)</b> Tubeless Anaesthesia	

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# ASPA 2024

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## DETAILED CONFERENCE PROGRAMME

### DAY 2: SATURDAY, 13 JULY 2024

TIME	HALL A	HALL B	ROOM 14
1445 - 1500	<b><i>Sokha Tep (Cambodia)</i></b> Anaesthesia Consideration for the New-Born Surgical Experience in National Paediatric Hospital, Phnom Penh	<b><i>Marichu Battad (Philippines)</i></b> PCMC Experience on EXIT Procedures	
1500 - 1515	<b><i>Thảo Thach Giang (Vietnam)</i></b> FAST TRACK Anaesthesia for VSD Closure	<b><i>Andi Ade Wijaya (Indonesia)</i></b> Controversies in Paediatric Airway Management	
1515 - 1535	<b>Q&amp;A</b>	<b>Q&amp;A</b>	
1535 - 1555	<b>COFFEE BREAK and TRADE EXHIBITION</b>		
	<b>SYMPOSIUM 11: BLOODWISE WISDOM</b> <i>Chairpersons: Ritu Pradhan / Rowena Lee</i>	<b>BEST ORAL PRESENTATION</b>	
1555 - 1610	<b><i>Fauzia Khan (Pakistan)</i></b> Preoperative Haemoglobin Optimisation in Children		
1610 - 1625	<b><i>Kevin Ng Wei Shan (Malaysia)</i></b> Management of Perioperative Bleeding with Viscoelastic Testing		
1625 - 1640	<b><i>Christian Hönemann (Germany)</i></b> Cellular Biomarkers in Blood Management		
1640 - 1655	<b><i>Gezy Giwangkancana (Indonesia)</i></b> Updates on Intraoperative Cell Salvage		
1655 - 1715	<b>Q&amp;A</b>		

### DAY 3: SUNDAY, 14 JULY 2024

TIME	HALL A	HALL B
0830 - 0915	<b>PLENARY LECTURE 5 - HALL A</b> <b>Ina Ismiarti Shariffuddin (Malaysia)</b> Medical Education: Bridging the Knowledge Gap in Paediatric Anaesthesia <i>Chairperson: Hamidah Ismail</i>	
	<b>SYMPOSIUM 12: THE CONUNDRUM IN MALIGNANCY</b> <i>Chairpersons: Andi Ade Wijaya / Intan Zarina Fakir Mohamed</i>	<b>SYMPOSIUM 13: NO MORE NEEDLE IN A HAYSTACK</b> <i>Chairpersons: Bishwas Pradhan / Kevin Ng Wei Shan</i>
0915 - 0930	<b>Nur Hafizhoh Abd Hamid (Malaysia)</b> Anaesthetic Considerations in Oncology	<b>Sirikarn Siripruekpong (Thailand)</b> Rebound Pain Post-block
0930 - 0945	<b>Vibhavari Naik (India)</b> DVT in Children: What Anaesthesiologists Should Know	<b>Vrushali Ponde (India)</b> Thoracic Block: An Update
0945 - 1000	<b>Angela Yeo (Singapore)</b> Wound Infusion Catheters in Oncology Surgeries	<b>Manoj Karmakar (Hong Kong SAR)</b> Controversies for Regional Anaesthesia in Children: Paravertebral Catheters or Intercostal Nerve Cryoablation for Nuss Bar Pectus Repair
1000 - 1015	<b>Rowena Lee (Hong Kong SAR)</b> Sedation for Anterior Mediastinal Mass Biopsy	
1015 - 1035	<b>Q&amp;A</b>	<b>Q&amp;A</b>
1035 - 1055	<b>COFFEE BREAK and TRADE EXHIBITION</b>	
	<b>SYMPOSIUM 14: PERFECTING NEONATAL STRATEGIES</b> <i>Chairpersons: Kim Hee Soo / Teddy Suratos Fabila</i>	<b>SYMPOSIUM 15: FANTASTIC FUTURE</b> <i>Chairpersons: Lim Byung Gun / Rufinah Teo</i>
1055 - 1110	<b>Marichu Battad (Philippines)</b> PCMC Experience on EXIT Procedures	<b>Jin-Tae Kim (South Korea)</b> AI for Our Future: Are You IN or OUT?
1110 - 1125	<b>Duygu Kara (Türkiye)</b> Intraoperative Transfusion Strategies in Newborn	<b>Erlinda C. Oracion (Philippines)</b> Simulation as a Tool for Patient Safety
1125 - 1140	<b>Intan Zarina Fakir Mohamed (Malaysia)</b> Perioperative Management of Neonates	<b>Andi Ade Wijaya (Indonesia)</b> Difficult Airway Response Team: Why We Need It and How We Do It
1140 - 1155	<b>Agnes Ng (Singapore)</b> Oxygen: Too Little or Too Much	
1155 - 1215	<b>Q&amp;A</b>	<b>Q&amp;A</b>
1215 - 1230	<b>CLOSING and PRIZE PRESENTATION - HALL A</b>	

Disclaimer: Programme is correct at the time of print. The Committee reserves the right to amend any part of the programme without prior notice.

## BEST ORAL PRESENTATION

SATURDAY, 13 JULY 2024

HALL B

4.00pm – 5.15pm

### BEST ORAL PRESENTATION

Chairpersons: Dr Mohammad Haizar Khan / Dr Teo Shu Ching

- |        |        |  |
|--------|--------|--|
| 4.00pm | A-0017 | <b>The Use of Ketamine on Emergence Agitation in Children: A Systematic Review and Meta-analysis</b><br><i>Dr Ng Ka Ting, University of Malaya (Malaysia)</i>  |
| 4.10pm | A-0043 | <b>The Nonlinear Relationship Between Preoperative Serum Total Bilirubin Levels and Outcomes after Pediatric Cardiac Surgery</b><br><i>Dr Chaoyang Tong, National Children's Medical Center, Shanghai Jiao Tong University (China)</i>   |
| 4.20pm | A-0083 | <b>Effectiveness of Non-Immersive Virtual Reality As a Distraction Tool in Improving Induction Compliance in Paediatric Patients</b><br><i>Dr Melissa Lau Su-yin, Hospital Melaka, Hospital Canselor Tuanku Muhriz UKM (Malaysia)</i>  |
| 4.30pm | A-0046 | <b>To Estimate the Trend and Rise or Fall of The Intracuff Pressure Using Continuous Intracuff Pressure Monitoring in Children Less Than 7 Years of Age Undergoing Anaesthesia With Microcuff Endotracheal Tube - A Single Arm Prospective Observational Study</b><br><i>Dr Minal Vinod Bichewar, Tata Memorial Hospital, Mumbai (India)</i> |
| 4.40pm | A-0079 | <b>A Comparison Between Palonosetron and Ondansetron as Prophylaxis Against Postoperative Nausea and Vomiting in Adolescent Idiopathic Scoliosis Surgery: A Randomised Trial</b><br><i>Dr Liew Kenlee, Universiti Malaya Medical Centre (Malaysia)</i>   |
| 4.50pm | A-0058 | <b>To Compare Pharmacological and Non-Pharmacological Interventions (Use of Technology) for Alleviating Preoperative Anxiety in Children Undergoing General Anesthesia in A Tertiary Care Hospital of Pakistan: A Randomized Controlled Trial</b><br><i>Dr Muhammad Asghar Ali, Aga Khan University, Karachi (Pakistan)</i>                  |
| 5.00pm | A-0100 | <b>Pediatric Difficult Airway Management Simulation Course: Initiation to Pediatric Difficult Airway Response Team Program</b><br><i>Dr Karina Sonata Miguna, Cipto Mangunkusumo Hospital, Jakarta (Indonesia)</i>   |
| 5.10pm | A-0104 | <b>Perioperative Respiratory Events (PRAE) In Children Undergoing Surgery for Oropharyngeal Cleft Deformity</b><br><i>Dr Usha Shenoy, Jubilee Mission Medical College &amp; Research Institute (India)</i>   |



## BEST POSTER PRESENTATION

FRIDAY, 12 JULY 2024

MEETING ROOM 14

2.00pm – 3.20pm

### BEST POSTER PRESENTATION

- A-0003**      **Effects of Head and Neck Rotation on Internal Carotid Artery Blood Flow Velocity in Infants Undergoing General Anesthesia: Assessment by Transfontanelle Ultrasonography**  
*Dr Maneemontra Sunanand, Queen Sirikit National Institute of Child health (Thailand)*
- A-0007**      **Predictors of Postoperative Mortality Among Neonates After Major-Risk Surgery: A One-Year Experience from A Tunisian Hospital**  
*Dr Manel Kammoun, University of Sfax (Tunisia)*
- A-0044**      **Oligodendrocyte Precursor Cells Antigen Presentation Switch Mediated by  $\alpha 7nAChR$  Contributes to Bilirubin's Bidirectional Regulation of S-Ketamine-Induced Developmental Hypomyelination**  
*Dr Jijian Zheng, Departments of Anesthesiology, Shanghai Children's Medical Center, School of Medicine and National Children's Medical Center, Shanghai Jiao Tong University (China)*
- A-0057**      **Comparative Study Between Intravenous Ketamine and Propofol as Induction Agents on Post Operative Recovery Score in Neonates Undergoing Tracheoesophageal Fistula (TEF) Repair Surgery**  
*Dr Amrita Rath, Institute of Medical Sciences, BHU (India)*
- A-0071**      **A Single-Centre Experience of An Anesthesia-Led Pediatric Peripherally Inserted Central Catheter Service at A Specialized Cancer Institute**  
*Dr Saad Ur Rehman, Shaukat Khanum Memorial Cancer Hospital and Research Centre, Lahore (Pakistan)*
- A-0078**      **Comparison of Weight-Based Versus External Ear-Size Based Technique for Selection of Laryngeal Mask Airway in Pediatric Surgical Patients. A Randomised Controlled Trial**  
*Dr Bushra Saleem, Aga Khan University (Pakistan)*
- A-0093**      **Electroencephalographic Features During Anesthesia Induction and Emergence in Children Up to 12 Years Old**  
*Dr Yuyi Zhao, West China Hospital (China)*
- A-0097**      **Effect of Preoperative Oral Carbohydrate-Electrolyte Drink on HOMA-IR, IL-6 Levels and Length of Stay in Pediatric Patients**  
*Dr Raihanita Zahra, Dr Cipto Mangunkusumo National Central General Hospital (Indonesia)*



## ORAL SESSIONS

**SATURDAY, 13 JULY 2024**

**MEETING ROOM 8**

**9.30am – 10.30am**

### ORAL SESSION 1

Chairpersons: Dr Nur Hafiizhoh Abd Hamid / Dr Kevin Ng

- |         |        |  |
|---------|--------|--|
| 9.30am  | A-0004 | <b>Sleep-disordered Breathing and Emergence Delirium in Children: A Comparison Between Pittsburgh Sleep Quality Index (PSQI) And Sleep Trouble Breathing and Unrefreshed (STBUR) Questionnaire: A Prospective Observational Study</b><br><i>Dr Puneet Khanna, All India Institute of Medical Sciences, New Delhi (India)</i> |
| 9.40am  | A-0011 | <b>Dexmedetomidine as a Total Intravenous Anesthetic in Pediatrics undergoing Cleft Lip and Palate Surgery: A Case Series</b><br><i>Dr Corry Quando Yahya, Universitas Airlangga (Indonesia)</i>   |
| 9.50am  | A-0014 | <b>Dose Magnet Simplify Intubation with Glidescope in Children</b><br><i>Dr Marija Stevic, University of Belgrade Children's Hospital (Serbia)</i>   |
| 10.00am | A-0018 | <b>Comparison of Caudal Epidural Block with Multiple Injection Costotransverse Block for Renal Surgeries in Paediatric Patients: A Prospective Randomised, Blinded Clinical Trial</b><br><i>Dr Debesh Bhoi, All India Institute of Medical Sciences, New Delhi (India)</i>   |
| 10.10am | A-0026 | <b>Expedited Recovery After Oncosurgery in Children: An Audit of Our Practice Is There a Scope for Improvement?</b><br><i>Dr Ankita Medhi, Tata Memorial Hospital (India)</i>  |
| 10.20am | A-0032 | <b>How Oral Dexmedetomidine is Effective as Premedication in Children with Neurobehavioral Disorders: Case Series</b><br><i>Dr Nigar Kangarli, Bezmialem Vakif University (Turkey)</i>   |
| 10.30am | A-0035 | <b>Duration of Non-Hypoxic Apnoea Time in Infants During Induction of Anesthesia with or without Positive End Expiratory Pressure at a Paediatric Tertiary Hospital: A Randomised Controlled Study</b><br><i>Dr Sharmila Somayaji, Ganga Hospital, Coimbatore (India)</i>  |

**11.00am – 12.20pm**

### ORAL SESSION 2

Chairpersons: Dr Chaw Sook Hui / Dr Kevin Ng

- |         |        |  |
|---------|--------|--|
| 11.00am | A-0037 | <b>Delivering Paediatric Surgery and Anaesthesia in Rural Papua New Guinea: Task Sharing with Rural Generalist Physicians</b><br><i>Dr Pauline Wake, University Of Papua New Guinea, PNG (Papua New Guinea)</i>                                |
| 11.10am | A-0039 | <b>Impact of Analgosedation for Port Wine Stain Laser Treatment in Pediatric Patients</b><br><i>Dr Marija Stevic, University of Belgrade Children's Hospital (Serbia)</i>  |
| 11.20am | A-0050 | <b>Comparative Study Between Ultrasound Guided Serratus Anterior and Erector Spinae Block for Perioperative Analgesia in Children Undergoing Upper Thoracic Surgeries</b><br><i>Dr Amrita Rath, Institute of Medical Sciences, BHU (India)</i> |
| 11.30am | A-0061 | <b>Epidural Analgesia in Major Paediatric Oncosurgeries: A Review of Safety Profile</b><br><i>Dr Madhavi D Desai, Tata memorial Hospital (India)</i>   |
| 11.40am | A-0064 | <b>Fundoplication and Gastrostomy in Preterm and Term Babies Under Neuraxial Anaesthesia: A Feasibility Study</b><br><i>Dr Gandham Neelima, Rainbow Childrens Hospital (India)</i>   |

## ORAL SESSIONS

- 11.50am A-0073 Challenges in Postoperative Regional Analgesia for Children with Arthrogryposis Multiplex Congenita - Enhancing Safety: A Review of Continuous Catheter Nerve Block Techniques in a Single, Tertiary-Care Centre**  
*Dr Riya Sarah Abraham, Christian Medical College, Vellore (India)*
- 12noon A-0074 Anesthesia Consideration for Newborn Surgical Emergency at National Pediatric Hospital, Phnom Penh, 2023**  
*Dr Sokha Tep, National Pediatric Hospital (Cambodia)*
- 12.10pm A-0089 Comparison of Intravenous and Perineural Dexamethasone in Ultrasound Guided Paravertebral Block for Pediatric Patients Undergoing Open Pyeloplasty: A Prospective Double-Blinded Randomized Clinical Study**  
*Dr Anita Shirley Joselyn, Christian Medical College and Hospital, Vellore (India)*

### ORAL SESSION 3

**2.30pm - 3.50pm**

*Chairpersons: Dr Chaw Sook Hui / Dr Shariffah Raguan Syed Othman*

- 2.30pm A-0092 A Prospective Observational Study to Assess the Incidence Of Emergence Delirium in Paediatric Population at a Tertiary Care Centre**  
*Dr Smitha Elizabeth George, Christian Medical College Hospital, Vellore (India)*
- 2.40pm A-0094 Anesthetic Management of a Successful Single Stage Repair Of Berry Syndrome: A Case Report**  
*Dr Maria Cristina Castro, Philippine General Hospital (Philippines)*
- 2.50pm A-0098 A Prospective Randomized Study Comparing the Safety of Sedation with and without Prophylactic Placement of Nasopharyngeal Airway In Children Undergoing MRI**  
*Dr Arti Rajput, Himalayan Institute of Medical Sciences, Dehradun, Uttarakhand (India)*
- 3.00pm A-0102 Anesthesia Management of Pediatric Subglottic Stenosis: A Case Report**  
*Dr Anastasia Magdalena Faculty of Medicine, University of Indonesia (Indonesia)*
- 3.10pm A-0108 A Comparative Evaluation of VL3R Video Laryngoscope Versus C-Mac Video Laryngoscope in Pediatric Patients Undergoing Cleft Palate Repair**  
*Dr Umme Maria, Shri Mahant Indiresht Hospital, Sgrr, Dehradun, Uttarakhand (India)*
- 3.30pm A-0110 Impact of Regional Analgesia on Postoperative Complications in Children Undergoing Urethroplasty for Hypospadias Repair: A Retrospective Cohort Study**  
*Dr Meghna Jiwanmall, Christian Medical College, Vellore (India)*
- 3.40pm A-0113 Effect of Fasting and Maintenance Fluid on Perioperative Blood Glucose Level in Paediatrics**  
*Dr Sumalatha Radhakrishna Shetty, Justice K S Hegde Medical Academy, Nitte University, Mangaluru, Karnataka (India)*



## DIGITAL PANEL POSTER SESSION (NON-COMPETITIVE)

- A-0005**     **Anaesthetic Management of a Laparoscopic Cholecystectomy of a Patient with Fontan Physiology: A Case Report**  
*Dr Senaka Weerakoon, Lady Ridgeway Hospital for Children (Sri Lanka)*
- A-0006**     **Predictors of Postoperative Mortality among Neonates after Major-Risk Surgery: A One-Year Experience from a Tunisian Hospital**  
*Dr Manel Kammoun, University of Sfax (Tunisia)*
- A-0008**     **National Survey on Pediatric Anesthesia and Intensive Care Training among Tunisian Residents**  
*Dr Manel Kammoun, University of Sfax (Tunisia)*
- A-0010**     **Risk Factors for a Failed First Attempt at Pediatric Subclavian Central Venous Catheters and the Role of Single-Shot Placement in Reducing Catheter-Related Morbidity: A Prospective Observational Study**  
*Dr Manel Kammoun, University of Sfax (Tunisia)*
- A-0015**     **An Infant with Mediastinum Mass for Thoracotomy: A Case Report**  
*Dr Khoo Boo Hooi, Hospital Tunku Azizah (Malaysia)*
- A-0016**     **Total Intravenous Anaesthesia in Toddler with Arthrogryposis Multiplex Congenita: A Case Report**  
*Dr Saiyidah Aisyah Binti Mohd Adibi, Kementerian Kesihatan Malaysia (Malaysia)*
- A-0019**     **Pediatric Microlaryngoscopy Experiences in a Tertiary Hospital: A Retrospective Analyses of 105 Procedures**  
*Dr Sezin Ersoy, Dokuz University Research and Application Hospital (Türkiye)*
- A-0020**     **Haemorrhage Halted: Beyond the Hemostatic Potential of Tranexamic Acid in Craniosynostosis Surgeries**  
*Dr Khildan Miftahul Firdaus, Airlangga University (Indonesia)*
- A-0021**     **Anesthesia Techniques and Advanced Modalities for Airway Management in Cleft and Lip Anomalies at Field Operating Mobile**  
*Dr Muhammad Aripandi Wira, RSU Artha Medica (Indonesia)*
- A-0022**     **Perioperative Crisis in an 11-Year-Old Male with End-Stage Renal Disease Undergoing Elective Living-Related Kidney Transplantation: A Case Report**  
*Dr Duygu Kara, Aydin Adnan Menderes University (Türkiye)*
- A-0023**     **An Alternative Anesthetic Approach for Glandular Hypospadias Surgery in a 5-Year-Old Patient**  
*Dr Duygu Kara, Aydin Adnan Menderes University (Türkiye)*
- A-0024**     **Anesthetic Management of a Child with Arthrogryposis Multiplex Congenita for Tracheostomy Using Total Intravenous Anesthesia: A Case Report**  
*Dr Sebastian Maria B. Sagadal, Philippine General Hospital (Philippines)*
- A-0025**     **Anesthesia in Patients with Pharyngeal Hematoma: A Case Report**  
*Dr Astrid Pratiwi, National Women and Children Hospital Harapan Kita (Indonesia)*
- A-0027**     **The Anesthetic Management of a Pediatric Patient for Drug-Induced Sleep Endoscopy (DISE): A Case Report**  
*Dr Mary Uy, Philippine General Hospital (Philippines)*
- A-0028**     **Loss of Evoked Potential Signals and Refractory Hemodynamic Instability During Corrective Spine Surgery: A Case Report**  
*Dr Evangeline, Philippine General Hospital (Philippines)*
- A-0029**     **Ultrasound Guided Costo-Transverse Process Block in Children Undergoing Open Pyeloplasty Surgery: A Case Series**  
*Dr Ridhima Bhatia, Holy Family Hospital, New Delhi (India)*

## DIGITAL PANEL POSTER SESSION (NON-COMPETITIVE)

- A-0030**      **Total Intravenous Anesthesia in A Child with Dyt1 Early-Onset Isolated Dystonia**  
*Dr Jc Earl Carino, Philippine General Hospital (Philippines)*
- A-0031**      **Anaesthetic Concern in Patient with Fontan Circulation for Electrocardiography**  
*Dr Ridhima Bhatia, Holy Family Hospital, Okhla, New Delhi (India)*
- A-0033**      **Effectiveness of Target Controlled Infusion of Ketofol Combined with Upper Limb Regional Anaesthesia for Orthopaedic Upper Limb Surgeries**  
*Dr Aamir Abdullah Bin Abdul Kareem Khadaied, UKM Specialist Children's Hospital (Malaysia)*
- A-0034**      **Spontaneously Breathing Total Intravenous Anaesthesia (TIVA) with Femoral Nerve Block for a Child with Suspected Tracheal Injury and Femur Fracture: A Case Report**  
*Dr Aamir Abdullah Bin Abdul Kareem Khadaied, UKM Specialist Children's Hospital (Malaysia)*
- A-0036**      **Navigating the Airway Abyss: A Case Report on Managing Difficult Intubation in Treacher Collins Syndrome Using Video Laryngoscope**  
*Dr Muhammad Ishaq Bin Mohd Abd Rahman, Hospital Sungai Buloh (Malaysia)*
- A-0038**      **Contemporary Illnesses and Anesthesia**  
*Dr Marija Stevic, University of Belgrade Children's Hospital, Belgrade, Serbia*
- A-0040**      **Caudal Epidural Continue Infusion as Analgesia in Children Undergoing Kasai Procedure: A Case Report**  
*Dr Dini Meta Rica, Fk Unair (Indonesia)*
- A-0041**      **Paediatric Pain Assessment & Perioperative Pain Management: A Survey of Practice in Teaching Hospitals in Two Provinces of Pakistan**  
*Dr Bushra Saleem, Aga Khan University (Pakistan)*
- A-0042**      **Peri-Operative Anaesthetic Management for Difficult Intubation in Michels Syndrome**  
*Dr Izyan Nadiyah Ahmad Fa'izal, Hospital Pakar Kanak-Kanak Universiti Kebangsaan (Malaysia)*
- A-0045**      **Infraorbital Nerve Block Technique in Pediatric Cleft Lip Surgery in Indonesian District Regional Hospital: A Case Series**  
*Dr Ahmad Nur Islam, Universitas Airlangga, Surabaya (Indonesia)*
- A-0048**      **Anesthetic Management of Embolisation of Vein of Galen Malformation Using Rapid Ventricular Overdrive Pacing**  
*Dr Sharanya Padmanaban, Apollo Childrens Hospital (India)*
- A-0049**      **Application of Smartphone-Based TCI Propofol in Pediatric Difficult Airways Management: A Case Report**  
*Dr Riswandi, Universitas Airlangga (Indonesia)*
- A-0054**      **Early Anesthesia Assessment and its Effects on General Anesthesia During MRI**  
*Dr Mahomed Hanafi Mahmoud, King Saud Bin Abdulaziz University for Health Sciences (Saudi Arabia)*
- A-0055**      **Anaesthetic Management of Hereditary Sensory Autonomic Neuropathy: Two Case Report**  
*Dr Sharmila Somayaji, Ganga Hospital, Coimbatore (India)*
- A-0056**      **Case Report: Anaesthetic Management in Left Lung Hybrid Congenital Pulmonary Airway Malformation (CPAM)**  
*Dr Yeoh Kean Seng, Hospital Wanita Dan Kanak-Kanak Sabah (HWKKS) (Malaysia)*
- A-0059**      **Post-Intubation Croup in the Cleft Palate Repair: A Case Report**  
*Dr Meanphorp Chhum, Angkor Hospital for Children (Cambodia)*

## DIGITAL PANEL POSTER SESSION (NON-COMPETITIVE)

- A-0062**      **Successful Removal of Pulmonary Sequestration in a Neonate: Case Report**  
*Dr Zehra Serpil Ustalar Ozgen, Acibadem Maa University Medical Faculty Anesthesiology and Reanimation Department Istanbul (Türkiye)*
- A-0063**      **Anesthesia Experience for Giant Sacrococcygeal Teratoma Resection in a Newborn at 28 Weeks of Gestation**  
*Dr Takashi Fujiwara, Kobe Children's Hospital (Japan)*
- A-0066**      **Anaesthetic Management in a Patient of Goldenhar Syndrome: A Case Report**  
*Dr Prakriti Pokhrel, Tilganga Institute of Ophthalmology (Nepal)*
- A-0067**      **Navigating Airway Challenges: A Case Report of Infected Lymphatic Malformation in the Neck**  
*Dr Khairunnisa Nadhira Binti Talib, Hospital Tuanku Azizah (Malaysia)*
- A-0069**      **Anesthetic Management of a Patient with History of Anesthetic-induced Muscle Rigidity. A Case Report**  
*Dr Sadichhya Shah, Kanti Children's Hospital (Nepal)*
- A-0070**      **Airway Management in Cervical Injury in Children: A Case Report**  
*Dr Kishorkumar A/L P Mahandran, Hospital Tunku Azizah, Kuala Lumpur (Malaysia)*
- A-0072**      **Emergency Anesthesia Approach for Neonatal Gastric Perforation: A Case Report**  
*Dr Retti Kartika Bakti, Universitas Airlangga (Indonesia)*
- A-0075**      **Caudal Anesthesia as an Analgesia for Infant with Tetralogy of Fallot Undergoing Posterior Sagittal Anorectoplasty Procedure (PSARP): A Case Report**  
*Dr Dini Meta Rica, Faculty of Medicine Universitas Airlangga (Indonesia)*
- A-0077**      **Processed Electroencephalography in a Neonate Undergoing Spinal Anaesthesia, Compared to Neonates Under General Anaesthesia**  
*Dr Tan Hui Mei, Sarawak General Hospital (Malaysia)*
- A-0080**      **Anesthesia and Analgesia for Pediatric Median Sternotomy: A Case Report of Pulmonary Nodectomy with Bilateral Lung Isolation**  
*Dr Kishorkumar A/L P Mahandran, Hospital Tunku Azizah, Kuala Lumpur (Malaysia)*
- A-0084**      **Intraoperative Diabetes Insipidus: A Challenge During Hypothalamic Hamartoma Excision**  
*Dr Sunidhara Ragoori, Rainbow Children's Hospital, Hyderabad, Telangana (India)*
- A-0085**      **Anesthetic Management of a 2-Year-Old Infant with Leigh Syndrome Undergoing Tracheostomy**  
*Dr Riza Kaan Kosker, University Research and Application Hospital (Türkiye)*
- A-0086**      **Unusual Case of Acute Portal Venous Thrombosis Intraoperatively in a Liver Transplant Recipient**  
*Dr Shilpa Kedarisetty, Rainbow Children's Hospital (India)*
- A-0088**      **The Perioperative Anesthetic Management of Conjoined Twins: A Case Report**  
*Dr Yves Kristine Garcia, University of The Philippines, Philippine General Hospital (Philippines)*
- A-0090**      **Optimization of Intraoperative Myocardial Protection During Cardiac Surgery in Young Children: A Review**  
*Dr Bakhriddin F. Khodjiev, National Children's Medical Center (Uzbekistan)*
- A-0091**      **Life Saving Transfusion Using Safe-O In an Antibody-Positive Child "Culprit of Post-Event Complications"**  
*Dr Alvis Lee Tian Yee, Hospital Pulau Pinang (Malaysia)*
- A-0096**      **Anaesthetic and Surgical Factors that Influence the Outcome of Paediatric Liver Transplantation: Experience from a Single Institution in Malaysia**  
*Dr Ng Huey Nee, University Malaya Medical Centre (Malaysia)*





## DIGITAL PANEL POSTER SESSION (NON-COMPETITIVE)

- A-0101**      **Pediatric Difficult Airway Management: Infant with Large Lingual Hemangioma**  
*Dr Asis Deelip Mirchandani, Cipto Mangunkusumo Hospital, Jakarta (Indonesia)*
- A-0103**      **Retrospective Observational Analysis of Bedside Laparotomy in Neonatal Intensive Care: Single Center Study**  
*Dr Chokkalla Anusha, Rainbow Childrens Hospital Hyderabad (India)*
- A-0105**      **Exploring Critical Incidences in Pediatric Anesthesia Services in University Malaya Medical Centre: An Audit Report**  
*Dr Noor Iftitah Binti Ab Rahman, University Malaya Medical Centre (Malaysia)*
- A-0106**      **Perioperative Airway Management of a Child with Venous Malformation of Face and Neck**  
*Dr Smitha Elizabeth George Christian Medical College, Vellore (India)*
- A-0107**      **Continuous Brachial Plexus Blockade for Acute Arterial Insufficiency Caused by Parenteral Tapentadol Abuse**  
*Dr Noble Eapen Cherian, Christian Medical College, Vellore (India)*
- A-0114**      **Low Flow Anaesthesia with I-Gel: A Better Option in Pediatrics**  
*Dr Sumalatha Radhakrishna Shetty, Justice K S Hegde Medical Academy, Nitte University, Mangaluru, Karnataka (India)*
- A-0115**      **Beyond Fragile Bones: Anaesthesia Challenges in Infantile Osteopetrosis**  
*Dr Siri Kandavar, KS Hegde Medical Academy (India)*
- A-0116**      **Comparative Study of Ultrasound Guided Suprazygomatic Maxillary Nerve Block and Greater Palatine Block For Children Undergoing Cleft Palate Repair**  
*Dr Kriti Puri, Lady Hardinge Medical College (India)*

# Guidelines on acquired fibrinogen deficiency in pediatrics

Guideline	Title	Guidance and Indications
German Medical Association, 2014 <sup>1</sup>	Blood Transfusion Guideline with guidance for adults and children.	<p><b>Recommendations — Acquired fibrinogen deficiency</b></p> <ul style="list-style-type: none"> <li>Fibrinogen can be substituted perioperatively in interventions or lesions with the risk of acute bleeding and confirmed fibrinogen deficiency (massive transfusion, dilution and loss coagulopathy)</li> <li>Fibrinogen can be substituted in synthesis disorders (liver damage) with fibrinogen deficiency or in hemorrhagic dysfibrinogenemias as prophylaxis and therapy of hemorrhage and confirmed fibrinogen deficiency</li> <li>Fibrinogen can be substituted as a prophylaxis and therapy of hemorrhage and confirmed fibrinogen deficiency of different origin (e.g., acute leukemia, asparaginase therapy, obstetrical complications, postoperatively)</li> </ul> <p><b>General Recommendations — Acquired fibrinogen deficiency</b></p> <ul style="list-style-type: none"> <li>The critical threshold values for the occurrence of spontaneous bleeding are &lt;100 mg/dL (in severe hemorrhage 150 mg/dL)</li> <li>The fibrinogen level should always be specifically determined. An indirect determination using PT or APTT is not sufficient for any decisions regarding substitution therapy. The detection limit of the laboratory assay must be taken into account</li> <li>Following administration, fibrinogen levels should be monitored and maintained above the critical threshold value (~100 mg/dL)</li> </ul>
European Trauma Guideline, 2019 <sup>2</sup>	Adult trauma guideline*	<p><b>Generic Recommendations</b></p> <p><b>Initial coagulation resuscitation</b></p> <p>In the initial management of patients with expected massive hemorrhage, we recommend one of the two following strategies:</p> <ul style="list-style-type: none"> <li>FFP or pathogen-inactivated FFP in a FFP:RBC ratio of at least 1:2 as needed.</li> <li><b>Fibrinogen concentrate</b> and red cells.</li> </ul> <p><b>Fibrinogen supplementation</b></p> <p>We recommend treatment with <b>fibrinogen concentrate</b> or cryoprecipitate if major bleeding is accompanied by hypofibrinogenemia (viscoelastic signs of a functional fibrinogen deficit or a plasma Clauss fibrinogen level ≤ 150 mg/dL)</p> <p><b>Coagulation factor concentrate-based management</b></p> <ul style="list-style-type: none"> <li>If a CFC-based strategy is used, we recommend treatment with factor concentrates based on standard laboratory coagulation parameters and/or viscoelastic evidence of a functional coagulation factor deficiency</li> <li>We suggest that monitoring of FXIII be included in coagulation support algorithms and that FXIII be supplemented in bleeding patients with a functional FXIII deficiency)</li> </ul>
European Society of Anaesthesiology and Intensive Care, 2023 <sup>3</sup>	Pediatric surgery	<p>We suggest administering <b>fibrinogen concentrate</b> to a child suffering from peri-operative bleeding and who was diagnosed with hypofibrinogenaemia</p>

\*Do not provide specific recommendations for children, but state that children who have not been pre-treated with anticoagulant or antiplatelet agents should generally be managed in the same manner as the normal adult patient. <sup>2</sup>

In Malaysia, Fibryga is approved for CFD and AFD including children.

**Fibryga® dosage recommendation for pediatric with AFD**

**Pediatric population (<18 years old)**

**Usually: 20-30 mg/kg BW**

References: 1. Crighton, G. L., & Huisman, E. J. (2021). Pediatric Fibrinogen PART II-Overview of Indications for Fibrinogen Use in Critically Ill Children. *Frontiers in pediatrics*, 9, 647680. <https://doi.org/10.3389/fped.2021.647680> 2. Spahn DR, Bouillon B, Cerny V, Duranteau J, Filipescu D, Hunt BJ, et al.. The European guideline on management of major bleeding and coagulopathy following trauma: fifth edition. *Crit Care*. (2019) 23:98. 10.1186/s13054-019-2347-3 3. Kietaihl S et al. Management of severe perioperative bleeding: Guidelines from the European Society of Anaesthesiology and Intensive Care. Second update. *J Anesthesiol* 2023; 40:226-304.





# “ Take control with BRIDION® in your patients ”

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sugammadex

## Children and adolescents (2-17 years):

### Dosing : 2mg/kg

For routine reversal of rocuronium-induced blockade at reappearance of T<sub>2</sub> in children and adolescents (2-17 years) 2 mg/kg sugammadex is recommended.

Other routine reversal situations have not been investigated and are therefore not recommended until further data become available.

Immediate reversal in children and adolescents has not been investigated and is therefore not recommended until further data become available.



## Term newborn infants and infants:

There is only limited experience with the use of sugammadex in infants (30 days to 2 years), and term newborn infants (less than 30 days) have not been studied.

The use of sugammadex in term newborn infants and infants is therefore not recommended until further data become available.



### Selected Safety Information for BRIDION® (Sugammadex Sodium)

**INDICATIONS** Reversal of neuromuscular blockade induced by rocuronium or vecuronium. For the pediatric population, sugammadex is only recommended for routine reversal of rocuronium induced blockade in children and adolescents. **DOSAGE AND METHOD OF USE** Sugammadex should only be administered by, or under the supervision of an anesthetist. Sugammadex should be administered intravenously as a single bolus injection. The bolus injection should be given rapidly, within 10 seconds, into an existing intravenous line. The recommended dose of sugammadex depends on the level of neuromuscular blockade to be reversed. **Adults** Routine reversal A dose of 4 mg/kg sugammadex is recommended if recovery has reached at least 1-2 post tetanic counts (PTC) following rocuronium or vecuronium induced blockade. Median time to recovery of the T<sub>2</sub>/T<sub>1</sub> ratio to 0.9 is around 3 minutes. A dose of 2 mg/kg sugammadex is recommended, if spontaneous recovery has occurred up to at least the reappearance of T<sub>2</sub> following rocuronium or vecuronium induced blockade. Median time to recovery of the T<sub>2</sub>/T<sub>1</sub> ratio to 0.9 is around 2 minutes. Immediate reversal of rocuronium-induced blockade A dose of 16 mg/kg sugammadex is recommended. Re-administration of sugammadex A repeat dose of 4 mg/kg sugammadex is recommended. **Renal impairment** For mild and moderate renal impairment (creatinine clearance  $\geq 30$  and  $< 80$  ml/min), the dose recommendations are the same as for adults without renal impairment. For patients with severe renal impairment (including patients requiring dialysis (CrCl  $< 30$  ml/min)), the use of sugammadex is not recommended. **Elderly patients** Same dose recommendation as for adults should be followed. **Obese patients** In obese patients, including morbidly obese patients, the dose of sugammadex should be based on actual body weight. The same dose recommendations as for adults should be followed. **Hepatic impairment** For mild to moderate hepatic impairment, no dose adjustments are required. **Pediatric populations (Children and adolescents)** Bridion 100 mg/ml may be diluted to 10 mg/ml to increase the accuracy of dosing in the pediatric population. Routine reversal A dose of 2 mg/kg is recommended for reversal of rocuronium or vecuronium induced blockade at reappearance of T<sub>2</sub> in children and adolescents (2-17 years). Immediate reversal Immediate reversal in children and adolescents has not been investigated. **CONTRAINDICATIONS** Hypersensitivity to the active substance or to any of the excipients. **WARNINGS AND PRECAUTIONS** Should neuromuscular blockade reoccur following extubation, adequate ventilation should be provided. Bleeding risk has not been studied systematically at higher doses than sugammadex 4 mg/kg, thus, coagulation parameters should be carefully monitored in patients with known coagulopathies and those using anticoagulants who receive a dose of 16 mg/kg sugammadex. The use of lower than recommended doses may lead to an increased risk of recurrence of neuromuscular blockade after initial reversal and is not recommended. When rocuronium 1.2 mg/kg is administered within 30 minutes after reversal with sugammadex, the onset of neuromuscular blockade may be delayed up to approximately 4 minutes and the duration of neuromuscular blockade may be shortened up to approximately 15 minutes. Recommended waiting time in patients with mild or moderate renal impairment for re-use of 0.6 mg/kg rocuronium or 0.1 mg/kg vecuronium after routine reversal with sugammadex should be 24 hours. A nonsteroidal neuromuscular blocking agent should be used for patients requiring neuromuscular blockade prior to passing the recommended waiting time. Sugammadex is not recommended for use in patients with severe renal impairment, including those requiring dialysis. Due to the administration of sugammadex, certain medicinal products could become less effective due to a lowering of the (free) plasma concentrations. Due to the administration of certain medicinal products after sugammadex, theoretically rocuronium or vecuronium could be displaced from sugammadex. Patients should be closely monitored for hemodynamic changes during and after reversal of neuromuscular blockade. Patients with severe hepatic impairment should be treated with great caution. Sugammadex should not be used to reverse block induced by nonsteroidal neuromuscular blocking agents and steroidal neuromuscular blocking agents other than rocuronium or vecuronium. Clinicians should be prepared for the possibility of drug hypersensitivity reactions (including anaphylactic reactions) and take the necessary precautions. If more than 2.4 ml solution needs to be administered, this should be taken into consideration by patients on a controlled sodium diet. **PREGNANCY AND LACTATION** Pregnancy Caution should be exercised when administering sugammadex to pregnant women. Lactation Caution should be exercised when administering sugammadex to a breast-feeding woman. **ADVERSE EVENTS** In the subset of Pooled Placebo-controlled trials where subjects received anesthesia and/or neuromuscular blocking agents, the following adverse events occurred in  $\geq 2\%$  of subjects treated with sugammadex and at least twice as often compared to placebo including airway complication of anesthesia, anesthetic complication, procedural hypotension, procedural complication and cough. In post-marketing, isolated cases of marked bradycardia and bradycardia with cardiac arrest have been observed within minutes after administration of sugammadex. A limited database suggests that the safety profile of sugammadex (up to 4 mg/kg) in pediatric patients was similar to that in adults.

Reference: BRIDION® Prescribing Information, Malaysia. Available at: Product Search, National Pharmaceutical Regulatory Agency. <https://quest3plus.bpfk.gov.my/pmo2/index.php>



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