





MALAYSIAN SOCIETY OF ANAESTHESIOLOGISTS & COLLEGE OF ANAESTHESIOLOGISTS ANNUAL SCIENTIFIC CONGRESS 2015

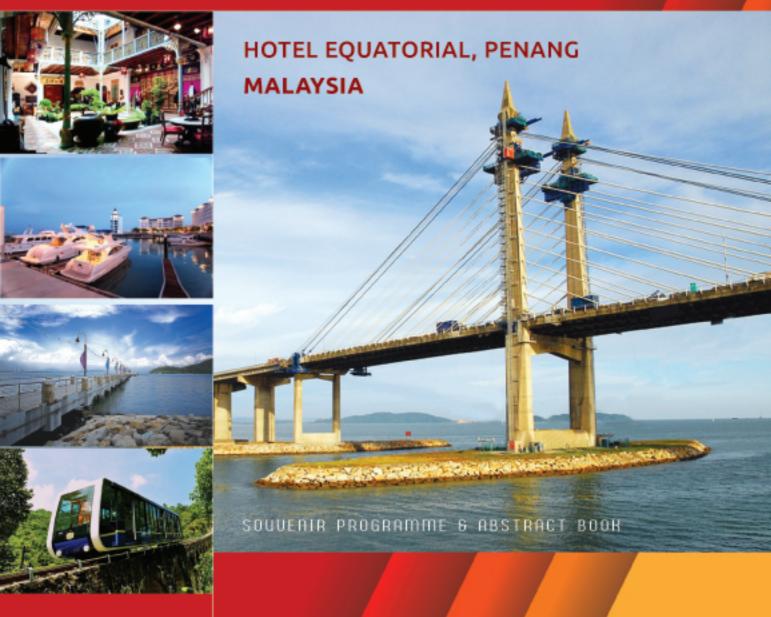
THEME : "Anaesthesia In The New Era Of Technology"

and

13th ASIAN SOCIETY OF PAEDIATRIC ANAESTHESIOLOGISTS CONGRESS

THEME : "Making Paediatric Anaesthesia Safe"

11TH – 14TH JUNE 2015



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Message from the Honourable Deputy Minister of Health, Malaysia



It is indeed an honour and a pleasure to pen a few words in this programme book to commemorate the Annual Scientific Congress of the Malaysian Society of Anaesthesiologists and College of Anaesthesiologists, Academy of Medicine of Malaysia. My sincere thanks to the organisers of this joint scientific congress for their kind invitation for me to do so.

Allow me to bid all of you a warm welcome to this Annual Scientific Congress as well as the 13th Asian Society of Paediatric Anaesthesiologists (ASPA) Congress. I have been informed that this is the first time that the ASPA Congress is being held in Malaysia, and I am glad to know that the Island of Penang (my home state), has been given the honour to host this prestigious event!

I would also like to extend my heartiest congratulations to the Organising Committee for coming up with highly relevant themes for the respective

Congresses. The theme for the ASC of the MSA / CoA is aptly titled 'Anaesthesia in the New Era of Technology' and the theme for the 13th ASPA Congress is 'Making Paediatric Anaesthesia Safe'.

In an era where patient safety is paramount, I am pleased that both themes centre on the delivery of safe anaesthesia in an ever-changing world of technology and it is vital that all practitioners are well-versed with current developments in order to attain the best outcomes for their patients. This is even more so for the paediatric age group who will have certain special issues to consider as well.

I sincerely hope that all delegates will learn as much as they can from the respected faculty who have been assembled here to impart their invaluable knowledge and experience. In addition, we can also learn from each other about what is considered as best practice worldwide.

Finally, I would also encourage the delegates to enjoy themselves not only at the Congress, but to also explore the many sights that the Island of Penang has to offer.

Wishing you a fruitful Congress and a memorable stay in Malaysia.

Thank you.

Mu

Dato' Seri Dr Hilmi bin Haji Yahaya

Message from the President, Malaysian Society of Anaesthesiologists



It gives me great pleasure, as my first task as President of the Malaysian Society of Anaesthesiologists, to write this message for the 53rd Annual Scientific Congress of the Malaysian Society of Anaesthesiologists and the College of Anaesthesiologists, Academy of Medicine of Malaysia, to be held from 11th to 14th June 2015, in this beautiful island of Penang, the Pearl of the Orient. This year, we have combined the Annual Scientific Congress with the 13th Asian Society of Paediatric Anaesthesiologists Congress.

In tandem with Malaysia moving forward towards a developed nation status, the theme of this year's congress is aptly titled "Anaesthesia in the New Era of Technology" and the Asian Society of Paediatric Anaesthesiologists Congress theme is "Making Paediatric Anaesthesia Safe".

The Scientific Committee has worked tirelessly to put forth a comprehensive programme covering a variety of topics. The faculty consists of very eminent speakers who are experts in their respective fields of anaesthesia. There is something for everyone, with eight pre-congress workshops, six plenaries, concurrent symposia and hands-on workshops.

On the social side, the Organising Committee has planned various activities during the four days of the Congress. The culmination of the congress is the Gala Nite with the theme being "Glamour & Glitter", so do come dressed in your finest.

The exhibition runs in parallel with the conference and offers you the chance to get up-to-date information from companies active in your area of interest. We are grateful to our Sponsors and Exhibitors for their interest and support for the Congress.

EAT SEE STAY in the food capital of Malaysia with its well-preserved heritage buildings and beautiful golden beaches.

In conclusion, I hope you will have a productive meeting and a successful exchange of views and insights.

"SELAMAT DATANG" to all our delegates.

Dr Raveenthiran Rasiah

Message from the President, College of Anaesthesiologists, AMM and Organising Chairperson



Selamat Datang! On behalf of the College of Anaesthesiologists, Academy of Medicine of Malaysia and the Organising and Scientific Committees, it gives me great pleasure to welcome all guests and delegates to the beautiful island of Penang for the Annual Scientific Congress of the Malaysian Society of Anaesthesiologists / College of Anaesthesiologists 2015 and the 13th Asian Society of Paediatric Anaesthesiologists Congress.

It is indeed at honour for us to host the 13th Asian Society of Paediatric Anesthesiologists as paediatric anaesthesia is still a fledging field in Malaysia. It is definitely a field close to my heart. A special welcome to all the ASPA delegates!

The theme of the ASC of the MSA / CoA is 'Anaesthesia in the New Era of Technology' and the 13th ASPA 2015 being 'Making Paediatric Anaesthesia Safer'. The themes emphasise the need to adapt evidence-based new technology to make anaesthesia safer.

The ASC of MSA / CoA is the most important conference for anaesthesiologists, medical officers and the allied health professionals in Malaysia. The Congress is the perfect forum to foster collaborations, networks and relationships to enhance and transfer knowledge, to learn, share and problem-solve through discussions among delegates from diverse and contextual settings. The Scientific Committees of both the MSA/CoA ASC and ASPA Congress, under the able leadership of Associate Professor Dr Raha Abd Rahman and Professor Dr Felicia Lim and their teams, have researched extensively to produce a cutting-edge comprehensive programme containing six plenaries, sixteen symposia, meet-the-expert sessions, concurrent workshops, and eight pre-congress workshops including the ASPA Paediatric Perioperative Life Support Course, a 'Train the Trainers' workshop which is held for the first time.

The Special Interest Groups of the College of Anaesthesiologists, a total of 13, actively conduct workshops and conferences. The Paediatric Special Interest Group is a dynamic group. They conduct annual workshops, a successful Paediatric Anaesthesia Meeting in 2013 with eminent overseas speakers and now ASPA.

The Local Organising Committee, in the hands of the ever capable Datuk Dr Jahizah Hassan, has worked tirelessly to make this joint congress a success to a tee. It has been ten years since we last held MSA/CoA meeting in Penang. Going by the standards and success of the last meeting in Penang, you can be assured of not only an excellent educational congress but also a fun-filled social programme.

The alluring island of Penang, a UNESCO world heritage site, is a good fusion of East and West, rich in history and culture, beautiful beaches and known as the 'food capital' of Malaysia. Do take some time off to take in the sights and food!

I wish all delegates an inspiring, educational and enjoyable Congress in Penang.

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Dr Sushila Sivasubramaniam

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Message from the President, Asian Society of Paediatric Anaesthesiologists (ASPA)



It gives me great pleasure to welcome all ASPA members to the 13th ASPA Congress in this beautiful island of Penang, Malaysia.

The Asian Society of Paediatric Anaesthesiologists (ASPA) was formed with the intention of allowing paediatric anaesthesiologists in Asian regions to come together to share their experiences. The Inaugural Meeting was held in 2000 at KK Women's and Children's Hospital in Singapore. Since then, many meetings have been held in different Asian countries - Singapore, India, China, Philippines, Thailand, Indonesia, Vietnam and Turkey. The objectives of the society are to establish a forum for exchange of views and to improve paediatric anaesthesia services in the Asian countries.

For this year, the Paediatric Anaesthesia Special Interest Group under the College of Anaesthesiologists, Academy of Medicine of Malaysia, has undertaken to organise the meeting with the theme of 'Making Paediatric Anaesthesia Safe'. In Asia, the perioperative care of paediatric patients is of great interest, not only for the paediatric anaesthesiologists but also to a large pool of specialist anaesthetists, anaesthetic trainees and medical officers as well as nurses and allied health professionals. Taking this into consideration, the Scientific Committee has planned a programme with a wide range of topics with the aim of addressing safety in providing anaesthesia for children. The topics include current as well as controversial issues which will be of interest not only to the paediatric anaesthesiologists but also to the generalists. The Scientific Committee has also taken great care in assembling a distinguished panel of prominent speakers from Asian regions and beyond as well as from home.

A Pre-Congress Workshop 'Paediatric Perioperative Life Support Course', first of its kind in this region, will be held. The aim of the course is to assist anaesthesiologists to anticipate, prevent and manage perioperative crisis in children undergoing surgery. This is a two-day workshop where participants who have attended the preliminary workshop in Singapore in December 2014, will come together to fine-tune the various modules and to map out strategies for introduction of this course to ASPA member countries.

ASPA is grateful to the Malaysian Society of Anaesthesiologists and the College of Anaesthesiologists, Academy of Medicine of Malaysia, for allowing this meeting to be held in conjunction with their Annual Scientific Congress. We would like to thank them for all the help and support they have rendered without which, we would not be able to hold this meeting. While this meeting gives an opportunity for members to get together to renew friendship and to build new ones, I hope you will also take time to visit the many attractions this Island has to offer.

I wish everyone an enjoyable and fruitful conference, and a pleasant stay in Penang.

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Dr Yunxia Zuo

Message from the Chairperson, Local Organising Committee, MSA / CoA ASC / ASPA Congress



On behalf of the Local Organising Committee, it gives us great pleasure to extend a warm welcome to all delegates and faculty members to the Annual Scientific Congress of the Malaysian Society of Anaesthesiologists and College of Anaesthesiologists 2015. Held in conjunction with this meeting, for the first time in Malaysia, is the 13th Asian Society of Paediatric Anaesthesiologists (ASPA) Congress.

It is indeed wonderful for the ASC to revisit Penang after a long-awaited lapse of ten years when the Local Organising Committee last hosted the event. We share, with our beautiful island and UNESCO World Heritage City of Georgetown, the pleasure of being host again. It is an honour to be entrusted with the responsibility of ensuring this Congress is as fruitful, enjoyable and memorable as the last one,

not only for our dear friends from the anaesthetic fraternity of Malaysia but also for many of our delegates and speakers who have travelled from many other parts of Asia and the world.

"Anaesthesia in the New Era of Technology" and "Making Paediatric Anaesthesia Safe" are the respective themes for the ASC of the MSA / CoA and 13th ASPA Congresses. The chosen themes resonates with each other as clinical application of new technology, translational practice of evidence-based medicine and lifelong learning is the cornerstone of safety in anaesthesia. It had not been without challenge for the Local Organising Committee to coordinate with the main congress committee in our attempts to deliver a scientific programme that will live up to expectations. We sincerely hope we are able to deliver this in the extensive line up of pre-congress workshops, lecture plenaries, symposium lectures, and symposium workshops and meet-the-experts session.

I wish to thank the Local Organising Committee for their hard work and commitment in assisting me for the past few months. We are very keen to ensure that during this short stay, you are able to experience the best of Penang Island. We've lined up a sensory feast of "extra-curricular" activities for you, starting with local delicacies by the hotel chefs during your meal breaks, a sweat inducing hike up Bukit Jambul Hiking Trail for panoramic views of the two bridges of Penang, a King of the Fruits Durian Party, Gala Dinner and Malaysian Cultural Shows, inserted into our main events. We urge you to take time off to enjoy these activities and spend time to fraternise and strengthen our professional relationships.

I wish everyone a warm welcome and an enjoyable stay in Penang.

Dato' Dr Jahizah Hassan

Malaysian Society of Anaesthesiologists Office Bearers 2015-2016

PRESIDENT IMMEDIATE PAST-PRESIDENT PRESIDENT-ELECT CHAIRMAN HON SECRETARY HON TREASURER COMMITTEE MEMBERS Dr Raveenthiran Rasiah Dr Sushila Sivasubramaniam Dato' Dr Jahizah Hassan Dr Mohamed Namazie Ibrahim Professor Dr Marzida Mansor Datuk Dr V Kathiresan Dr Gunalan a/l Palari @ Arumugam Dr Ina Ismiarti bt Shariffuddin Dr Mafeitzeral Mamat Dr Muhammad Maaya Dato' Dr Subrahmanyam Balan



College of Anaesthesiologists, AMM Office Bearers 2015-2016

PRESIDENT	Dr Sushila Sivasubramaniam
VICE-PRESIDENT	Dr Lim Wee Leong
HON SECRETARY	Associate Professor Dr Raha Ab Rahman
HON TREASURER	Professor Dato' Dr Wang Chew Yin
COUNCIL MEMBERS	Professor Dr Lim Thiam Aun
	Dr Thohiroh Abd Razak
	Datin Dr V Sivasakthi
	Dr Patrick Tan Kee Seng
COOPTED COUNCIL MEMBERS	Dr Raveenthiran Rasiah
	Dr Tan Cheng Cheng



Dr Sushila Sivasubramaniam

Asian Society of Paediatric Anaesthesiologists (ASPA) Executive Committee 2015-2016

President	Dr Zuo Yun Xia
President-Elect	Dr Andi Ade Wr Fauzi
Honorary Secretary	Dr Serpil Ustalar Ozgen
Honorary Treasurer	Dr Josephine Tan
Committee Member	Dr Dayanti
	Dr Huang Yue
	Dr Felicia Lim
	Dr Kinouchi Keiko
	Dr Marichu Battard
	Dr Vivien Yuen
	Dr Vrushali Ponde
	Dr Erlinda Oracion
	Dr Arie Utariani
Secretariat	Ms Jessie Tan

MSA / CoA ASC / ASPA 2015

Organising Committee

Chairperson	Dr Sushila Sivasubramaniam
Hon Secretary	Professor Dr Marzida Mansor
Hon Treasurer	Datuk Dr V Kathiresan
Publications / Publicity	Dr Gunalan Palari

Scientific Committees

ASPA

Prof Dr Felicia Lim *(Chairperson)* Dr Sushila Sivasubramaniam, Dr Hamidah Ismail, Dr Ina Ismiarti Shariffuddin, Professor Dr Lucy Chan, Dr Thavaranjitham Sandrasegaram

MSA / CoA ASC

Associate Professor Dr Raha Abd Rahman (*Chairperson*) Dr Julina Santhi Johami, Dr Muhammad Maaya, Dr Norliza Mohd Nor, Dr Vanitha Sivanaser

Local Organising Committee

Chairperson	Dato' Dr Jahizah Hj Hassan
Co-Chairperson	Dr Yong Chow Yen
Secretary	Dr Linssey Ooi
Treasurer	Dr Shuraya Said
Scientific Committee Liaison	Dr Khoo Teik Hooi, Dr Harriszal Amiruddin, Dr Luah Lean Wah
Trade Exhibition	Dr Helmi Abd Halim, PPP Hj Abdul Halim Abdul Hamid, PPP Wan Khairil Azham
Social	Dr Ng Siew Ping, Dr Jusmidar Abdul Jamil, Dr Chin Im Im
Audio-Visual	Dr Mohammad Hanafi Mohd, Dr Khairul Amri Abdul Wahab
Registration	Dr Usha Rajah, Dr Nor Shafiza Mohammad Syariff, Matron Ong Poh Suan, Matron Kelijah Hamid
Press Liaison	Dr Tan Siew Ching, Dr Norhayati Mohd Said, Matron Gucharan Kaur
Transport	Dr Ang Ching Auang, Dr Ang Yiaw Kian, PPP Afifuddeen Mahamud
Logistic Liason	PPP Hj Azly Ahmad, PPP Hj Mohd Shahrin Ahmad, KJ Taniza Ahmad



Invited Speakers

AUSTRALIA

Michael Barrington Rob McDougall

> AUSTRIA Peter Marhofer

> > CHINA Yunxia Zuo

HONG KONG

Manoj Karmakar Vivien Yuen

Serp

INDIA

Dilip Pawar Rebecca Jacob Chakra Rao Vrushali Ponde

INDONESIA

Andi Ade Wijaya

LITHUANIA

Robertas Salamavicius

NETHERLANDS

Anthony Absolom

PHILIPPINES

Angelina Gapay Erlinda Oracion

SINGAPORE

Alex Sia Tiong Heng Ashish Ranjan Satapathy Theodore Wong Gar-Ling

TURKEY

Serpil Ustalar Ozgen

UNITED KINGDOM

Oliver Bagshaw

UNITED STATES OF AMERICA

Adrian Bosenberg Keira Mason Raafat Hannallah

MALAYSIA

Abu Bakar Munir Amiruddin Nik Mohamed Kamil Azlina Masdar Azrin Mohd Azidin Lucy Chan Chan Yoo Kuen Eleanor Fe Fey Chew Hamidah Ismail Hasmizy Muhammad Hui Mun Tsong Ina Ismiarti Shariffuddin Kavita M Bhojwani Khoo Teik Hooi Luah Lean Wah Mary Suma Cardosa Marzida Mansor

Mohd Fahmi Lukman Muralitharan Perumal Nadia Md Nor Noraslawati Razak Nor'Azim Mohd Yunos Noryati Abu Amin Rafidah Atan Shahridan Mohd Fathil Tan Ai Pin Teo Shu Ching Thohiroh Abdul Razak V Sivasakthi Wan Mohd Nazaruddin Wan Hassan Wang Chew Yin Zuraini Md Noor

Daily Programme 12TH JUNE 2015 (FRIDAY)

0000 001-) Registration					
0830 - 0915	PLENARY 1 (ASPA) Grand Ballroom 1 - III Chairperson: Felicia Lim					
	Reducing the risk in neonatal anae Adrian Bosenberg	esthesia				
0915 - 1030	OPENING CEREMONY Grand Ballroom 1 - III					
0915	Guests and Delegates to be seated					
0920	Arrival of YB Dato' Seri Dr Hilmi bin Haji Yahaya, Deputy Minister of Health Malaysia					
	Persembahan Silat					
	Doa Selamat					
	Welcome address by Dato' Dr Jahi Congress 2015	zah Hassan, Local Organising Chair	person, MSA / CoA ASC / ASPA			
	Welcome by Dr Sushila Sivasubrar Organising Chairperson, MSA / Co/	naniam, President, College of Anae A ASC / ASPA Congress 2015	sthesiologists &			
	Speech by Dr Raveenthiran Rasiah	n, President, Malaysian Society of A	naesthesiologists			
	Speech and Official Opening by YB Dato' Seri Dr Hilmi bin Haji Yahaya, Deputy Minister of Health Malaysia					
	Gamelan Orchestra					
	Montage MSA					
	Conferment of MSA Honorary Membership on Dato' Dr S Jenagaratnam, citation by Dr Mary Cardosa					
	Visit to Trade Exhibition					
	Coffee / Tea					
1030 - 1100	Tea & Trade Exhibition					
1100 - 1230	SYMPOSIUM 1	1				
1100 1250	CARDIOTHORACIC ANAESTHESIA	SYMPOSIUM 2 AMBULATORY ANAESTHESIA Grand Ballroom 1 - 111	SYMPOSIUM 3 (ASPA) ADVANCES IN AIRWAY & VENTILATION			
1100 1230	CARDIOTHORACIC	AMBULATORY ANAESTHESIA	ADVANCES IN AIRWAY			
1100 1250	CARDIOTHORACIC ANAESTHESIA Matahari I Chairpersons: Norzalina Esa,	AMBULATORY ANAESTHESIA Grand Ballroom 1 - III Chairpersons: Kavitha M Bhojwani,	ADVANCES IN AIRWAY & VENTILATION Matahari III			
1100 1250	CARDIOTHORACIC ANAESTHESIA Matahari I Chairpersons: Norzalina Esa, Mohammad Hanafi Mohd 1100 - 1130 Pushing the boundaries for the use of ECMO in acute cardiac and pulmonary failure	AMBULATORY ANAESTHESIA Grand Ballroom 1 - 111 Chairpersons: Kavitha M Bhojwani, Mohd Fahmi Lukman 1100 - 1130 Obesity and OSA - Can it be done as daycare?	ADVANCES IN AIRWAY & VENTILATION Matahari III Chairpersons: Usha Nair, Agnes Ng 1100 - 1120 Challenges of single-lung ventilation in infants and childre [page 38] Oliver Bagshaw 1120 - 1140 Oxygen in neonatal anaesthesia friend or foe? Adrian Bosenberg 1140 - 1200			
	CARDIOTHORACIC ANAESTHESIA Matahari I Chairpersons: Norzalina Esa, Mohammad Hanafi Mohd 1100 - 1130 Pushing the boundaries for the use of ECMO in acute cardiac and pulmonary failure Robertas Samalavicius 1130 - 1200 Cardiopulmonary bypass for non-cardiac surgery [page 34] Hasmizy Muhammad	AMBULATORY ANAESTHESIA Grand Ballroom 1 - III Chairpersons: Kavitha M Bhojwani, Mohd Fahmi Lukman 1100 - 1130 Obesity and OSA - Can it be done as daycare? Wang Chew Yin 1130 - 1200 The way forward! Regional anaesthesia in the day care surgery [page 36] Amiruddin Nik Mohamed Kamil 1200 - 1230 Best practice for daycare	ADVANCES IN AIRWAY & VENTILATION Matahari III Chairpersons: Usha Nair, Agnes Ng 1100 - 1120 Challenges of single-lung ventilation in infants and childre [page 38] Oliver Bagshaw 1120 - 1140 Oxygen in neonatal anaesthesia friend or foe? Adrian Bosenberg 1140 - 1200 Emergency airway intervention using ultrasound Manoj Karmakar			
	CARDIOTHORACIC ANAESTHESIA Matahari I Chairpersons: Norzalina Esa, Mohammad Hanafi Mohd 1100 - 1130 Pushing the boundaries for the use of ECMO in acute cardiac and pulmonary failure Robertas Samalavicius 1130 - 1200 Cardiopulmonary bypass for non-cardiac surgery [page 34] Hasmizy Muhammad	AMBULATORY ANAESTHESIA Grand Ballroom 1 - III Chairpersons: Kavitha M Bhojwani, Mohd Fahmi Lukman 1100 - 1130 Obesity and OSA - Can it be done as daycare? Wang Chew Yin 1130 - 1200 The way forward! Regional anaesthesia in the day care surgery [page 36] Amiruddin Nik Mohamed Kamil 1200 - 1230	ADVANCES IN AIRWAY & VENTILATION Matahari III Chairpersons: Usha Nair, Agnes Ng 1100 - 1120 Challenges of single-lung ventilation in infants and childre [page 38] Oliver Bagshaw 1120 - 1140 Oxygen in neonatal anaesthesia friend or foe? Adrian Bosenberg 1140 - 1200 Emergency airway intervention using ultrasound			

Daily Programme 12TH JUNE 2015 (FRIDAY) [CONT'D]

1400 - 1600	SYMPOSIUM 4 AIRWAY Grand Ballroom 1 & 11 Chairpersons: Muhammad Maaya, Azrin Azidin	CONCURRENT WORKSHOPS		SYMPOSIUM 6 (ASPA) CHALLENGES & CONTROVERSIES Matahari III Chairpersons: Intan Zarina, Andi Ade Wijaya
	1400 - 14301430 - 16001430 - 1600Videolaryngoscope should totally replace conventional laryngoscopy. Pros and cons 1430 - 1600CONCURRENT WORKSHOP 1 REGIONAL ANAESTHESIA1430 - 1600 Mohd Fahmi Lukman The Regional1430 - 1600CONCURRENT WORKSHOP 2	1400 - 1420 Peri-operative fluid management - Is Holliday and Segar regime still relevant? [page 40] Rob McDougall		
	1430 - 1500	Anaesthesia	Matahari I	1420 - 1440 Blood transfusion in children of
	Flexible vs rigid fibreoptic scope - The pros and cons in their use for difficult intubation [page 39] Theodore Wong Gar-Ling SYMPOSIUM 5 SAFETY & QUALITY Grand Ballroom 1 & II Chairpersons: Marzida Mansor, Hui Mun Tsong 1500 - 1530 Guidelines for blood transfusion	Grand Ballroom III		Jehovah Witnesses Angelina Gapay 1440 - 1500 Use of Human Albumin in paediatric anaesthesia Vivien Yuen 1500 - 1520
	Noryati Abu Amin 1530 - 1600 Safe central line Shahridan Mohd Fathil			Anaesthesia for cardiac catetherization in children [page 41] Hamidah Ismail
1600 - 1630		Tea & Trad	e Exhibition	
1630 - 1800	Tea & Trad	e Exhibition		ASPA WORKSHOP Matahari III Ultrasound guided nerve blocks in children Vrushali Ponde, Manoj Karmakar
(1630 - 1830)				
1930 - 2200	FACULTY DINNER (by invitation or	ly)		

Daily Programme 13TH JUNE 2015 (SATURDAY)

0730 - 0830	BRAINY BREAKFAST Matahari I Chairperson: Julina Santhi Johami Various pathways to become an anaesthetic specialist [page 42] Marzida Mansor, Ashish Ranjan Satapathy, Azlina Masdar, Khoo Teik Hooi, V Sivasakthi			
0830 - 1000	0830 - 0915 PLENARY 2 Grand Ballroom I - III Chairperson: Raveenthiran Rasiah Regional anaesthesia in children: Achievement of new horizons Peter Marhofer			
	0915 - 1000 PLENARY 3 Grand Ballroom 1 - 111 Chairperson: Jahizah Hassan	SYMPOSIUM 7 (ASPA) SAFETY & QUALITY Matahari III		
	3D ultrasound for regional anaest Manoj Karmakar	hesia: Is it useful?	Chairpersons: Rajeswary Kanapathypillai, Masao Yamashita 0915 - 0935 Blood pressure control in infants and babies [page 43] Rob McDougall 0935 - 0955 Nitrous oxide - Is it obsolete in paediatric anaesthesia? [page 44]	
	Rebecca Jacob			
1000 - 1030		Tea & Trade Exhibition		
1030 - 1200	SYMPOSIUM 8 REGIONAL ANAESTHESIA Grand Ballroom I - III	SYMPOSIUM 9 MISCELLANEOUS Matahari 1	SYMPOSIUM 10 (ASPA) CLINICAL PHARMACOLOGY Matahari III	
	Chairpersons: Amiruddin Nik Mohamed Kamil, Julina Santhi Johami	Chairpersons: Wang Chew Yin, Wan Mohd Nazaruddin Wan Hassan	Chairpersons: Yoga Bhavani, Marichu Battard	
	1030 - 1050 Low dose blocks: How low can you go? Ashish Ranjan Satapathy	1030 - 1100 Renal replacement therapy in critically ill patients: Review and updates Rafidah Atan	1030 - 1050 The role of muscle relaxant in paediatric anaesthesia Lucy Chan	
	1050 - 1110 Abdominal wall block or blocks for breast surgery: The current evidence Michael Barrington	1100 - 1130 Modern anaesthesiologist as perioperative physician Chakra Rao	1050 - 1110 Is there a need to reverse muscle relaxant? Erlinda Oracion	
	1110 - 1130 Has dual guidance been a success? A review of recent evidence [page 45] Azrin Mohd Azidin	1110 - 1130 Wealth, wisdom and wellbeing [page 46] Chan Yoo Kuen	1110 - 1130 Anaphylaxis and allergies in children Andi Ade Wijaya	
	1130 - 1200 Additives to local anaesthetics: Optimizing regional blocks Peter Marhofer	1130 - 1200 Anaesthesia and health information: Protecting personal data Abu Bakar Munir	1130 - 1150 Premedication for unco-operative children – Hints and tips [page 47] Ina Ismiarti Shariffuddin	
1200 - 1330	Lunch Satellite Symposium (Baxter) Grand Ballroom I - III			

Daily Programme 13[™] JUNE 2015 (SATURDAY) [CONT'D]

1330 - 1500	SYMPOSIUM 11 NEUROANAESTHESIA Grand Ballroom 1 - 111		SIUM 12 IAGEMENT Matahari I	SYMPOSIUM REGIONAL ANA SAFE & I	ESTHESIA -
	Chairpersons: Vanitha M Sivanaser, Nor'Azim Mohd Yunos	Chairpersons: Nadia Md Nor, Rafidah Atan		Chairpersons: R Lim Suan	Matahari III uwaida Isa,
	1330 - 1400 Is there an ideal fluid therapy in neuro anaesthesia? [page 48] Wan Mohd Nazaruddin Wan Hassan	1330 - 1400 Updates on new technology in the of cancer pain Mary Suma Card	e management	1330 - 1350 Making paediatric anaesthesia safer Adrian Bosenberg	regional
	1400 - 1430 Does it matter? Comparison of TIVA and inhalational anaesthesia in elective intracranial surgery? Mohd Fahmi Lukman	1400 - 1430 Electroanalgesia outcomes with n [page 50] Marzida Mansor	- Better	1350 - 1410 How has ultrasoun practice of paediat anaesthesia Vrushali Ponde	
	1430 - 1500 A potential blood bath? Antiplatelet and anticoagulation therapy in elective neurosurgery [page 49] Hui Mun Tsong	1430 - 1500 Evidence-based (radiofrequency management Muralitharan Per	ablation) in pain	1410 - 1420 Use of intravenous on bupivacaine car children Dilip Pawar	
1500 - 1630	CONCURRENT WORKSHOP 3 AIRWAY Grand Ballroom III	MSA AWARD / MSA-AZ YOUNG INVESTIGATOR	POSTER PRESENTATIONS Glass Link Corridor	SYMPOSIUM NEW PERSPE PAIN MANAG	CTIVE ON GEMENT
		AWARD Matahari I		Chairpersons: Hai Vivien Y	
				1440 - 1500 Postoperative pain for daycare surgeri [page 51] Yunxia Zuo	
				1500 - 1520 Analgesia for an OS tonsillectomy Teo Shu Ching	SA child after
				1520 - 1540 Choice of analgesia minimally invasive [page 52] Raafat Hannallah	•
1630 - 1700	Tea & Trade	e Exhibition		1630 - 1800 ASPA AGM	Kuang
1700 - 1830	DURIAN / FRUIT PARTY				
	CONGRESS GALA DINNER Grand Ba	Ilmanue I III			
	Theme: Glamour and Glitter	11100m 1 - 111			
	Theme: Glamour and Glitter Arrival of guests and delegates				
	Theme: Glamour and Glitter Arrival of guests and delegates Arrival of YBhg Datuk Dr Noor Hish	nam Abdullah, Dir		•	
	Theme: Glamour and Glitter Arrival of guests and delegates Arrival of YBhg Datuk Dr Noor Hish Welcome remarks by Dato' Dr Jahi	nam Abdullah, Dir zah Hassan, Loca	l Organising Chair	•	
1930 - 2200	Theme: Glamour and Glitter Arrival of guests and delegates Arrival of YBhg Datuk Dr Noor Hish	nam Abdullah, Dir zah Hassan, Loca aniam, Organising	l Organising Chair Chairperson	rperson	
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Daily Programme 14TH JUNE 2015 (SUNDAY)

0730 - 0830	BRAINY BREAKFAST Matahari I			
	Chairperson: Vanitha M Sivanaser			
	How to cope with stress			
	Chan Yoo Kuen, Rafidah Atan			
0830 - 0915	PLENARY 4 (ASPA) Grand Ballroom I - III			
	Chairperson: Sushila Sivasubramaniam			
	Anaesthesia and the developing b	rain		
	Anthony Absolom			
0915 - 1000	PLENARY 5 Grand Ballroom I - III	PLENARY 6 (ASPA)		
	Chairperson: Chan Yoo Kuen		Matahari II Chairperson:	
	Labour analgesia: Epidural, PCEA a	and beyond	Thavaranjitham Sandrasegaram	
	Alex Sia Tiong Heng		TIVA/TCI in paediatric	
			anaesthesia, now and future	
		[page 53]		
		Oliver Bagshaw		
1000 - 1030		Tea & Trade Exhibition	·	
1030 - 1200	SYMPOSIUM 15	SYMPOSIUM 16	MEET-THE-EXPERTS (ASPA)	
	OBSTETRIC ANAESTHESIA	ALLIED HEALTH	TIVA / SEDATION	
	Grand Ballroom I - III Chairpersons: Norliza Mohd Nor,	Matahari I Chairpersons: Raha Abd Rahman,	Matahari III Chairpersons: Teo Shu Ching,	
	Azlina Masdar	Zuraini Md Noor	Josephine Tan	
	1030 - 1050	1030 - 1100	1030 - 1050	
	Studies in obstetric anaesthesia -	To lead or be led? The role of	Establishing a culture of safety	
	What do we do, what else do we	allied health care providers in	in anaesthesia outside the	
	need to do	CPR	operating room	
	Alex Sia Tiong Heng	Luah Lean Wah	Keira Mason	
	1050 - 1110	1100 - 1130	1050 - 1110	
	Massive transfusion protocol in	The role of a nurse in acute pain	Monitoring depth in TIVA for	
	obstetric: The evidence [page 54]	management Tan Ai Pin	children	
	Thohiroh Abdul Razak		Anthony Absolom	
	1110 - 1130 Post on pain relief. The new		1110 - 1130 Remifentanil – Clinical	
	Post op pain relief – The new horizon		applications in paediatric	
	Nadia Md Nor		anaesthesia [page 57]	
	Naula Mu Nol		Oliver Bagshaw	
	1130 - 1200	1130 - 1200	1130 - 1150	
	Natural birthing – Where do the	Working together for patient	Dexmedetomidine for	
	anaesthetist stand? [page 55]	safety [page 56]	anaesthesia and sedation in	
	Noraslawati Razak	Nor'Azim Mohd Yunos	children	
			Keira Mason	
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Conference Information

CONGRESS VENUE

Hotel Equatorial

No. 1, Jalan Bukit Jambul, Bayan Lepas, 11900 Penang, Malaysia Tel: +604 632 7000

REGISTRATION

The registration hours are:

11 th June 2015 (Thursday)	1400 to 1900 hrs
12 th June 2015 (Friday)	0730 to 1800 hrs
13 th June 2015 (Saturday)	0730 to 1800 hrs
14 th June 2015 (Sunday)	0730 to 1100 hrs

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ENTITLEMENTS

Registered delegates will be entitled to the following:

- Admission to the scientific sessions, satellite symposia and trade exhibition
- Conference bag and materials
- Gala Dinner
- Lunches & Coffee/Tea

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All speakers and presenters are requested to check into the Speaker Ready Room at least two hours prior to their presentation. There will be helpers on duty to assist with your requirements regarding your presentation.

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11 th June 2015 (Thursday)	1500 to 1900 hrs
12 th June 2015 (Friday)	0730 to 1700 hrs
13 th June 2015 (Saturday)	0730 to 1700 hrs
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Whilst every attempt would be made to ensure that all aspects of the Convention as mentioned in this publication will take place as scheduled, the Organising Committee reserves the right to make the changes should the need arises.

MSA Award / MSA-AstraZeneca Young Investigator Award

Plasma Neutrophil Gelatinase-Associated Lipocalin Best Diagnosed Acute Kidney Injury In Patiens With Systemic Inflammatory Syndrome And Sepsis Azrina Md Ralib ¹ , Nurzamzila Abdullah ² , Abdul Hadi Mohamad ¹ , Mohd Basri Mat Nor ¹ ¹ Department of Anaesthesiology and Intensive Care, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Pahana, Malaysia	59
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¹Department of Anesthesia and Intensive Care, The Chinese University of Hong Kong, Shatin, Hong Kong, SAR, China ²Department of Anesthesiology, Hospital Clinic Barcelona, Barcelona, Spain

PLASMA NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN BEST DIAGNOSED ACUTE KIDNEY INJURY IN PATIENS WITH SYSTEMIC INFLAMMATORY SYNDROME AND SEPSIS

Azrina Md Ralib¹, Nurzamzila Abdullah², Abdul Hadi Mohamad¹, Mohd Basri Mat Nor¹

¹Department of Anaesthesiology and Intensive Care, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, Malaysia

²Department of Basic Medical Science, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, Malaysia

INTRODUCTION

Sepsis is the leading cause of ICU admission. About 60% of patients with severe sepsis had acute kidney injury (AKI). To date, plasma Neutrophil-Gelatinase Associated Lipocalin (NGAL) is the most promising biomarker for AKI, however it is also increased with inflammation and infection.

OBJECTIVES

We aim to evaluate the utility of NGAL, Procalcitonin (PCT) and Interleukin-6 (IL-6) for AKI and sepsis.

METHODS

This is an interim analysis of a prospective observational study of adult ICU patients with systemic inflammatory response syndroem (SIRS). PCT was measured using BRAHMS Kryptor compact assay, NGAL using TriageMeter, IL-6 using ELISA technique, and creatinine using Olympus AU2700TM analyser. Patients were classified according to the occurrence of AKI and sepsis.

RESULTS

Of the 115 patients, 62 (54%) had AKI, of which 43 (69%) had sepsis, and in 19 (31%) non-infectious SIRS. NGAL and PCT were higher in patients with AKI-SIRS compared to No AKI-SIRS (p=0.001 and p=0.02, respectively), and in AKI-Sepsis compared to No AKI-Sepsis (p<0.0001 and p=0.001, respectively). However, there were no differences in plasma IL-6. NGAL had the highest AUC in diagnosing AKI (0.78 (0.69 to 0.86)). The AUC of NGAL in diagnosing AKI was 0.80 (0.66 to 0.93) in SIRS, and 0.76 (0.65 to 0.87) in sepsis. The optimal cut-off point was 84 ng/ml in SIRS and 256 ng/ml in sepsis. Addition of NGAL to the reference model, which includes age, weight, and SAPSII score, showed the largest improvement in risk assessment; with total IDI of 0.09 (0.02 to 0.28).

CONCLUSIONS

AKI is more common in sepsis patients. Of the biomarkers measured, NGAL had the highest diagnostic performance for AKI. The optimal cut-off point for diagnosing AKI in sepsis was higher than in non-infectious SIRS. The addition of NGAL improved the clinical model incorporating age, illness severity and weight in diagnosing AKI.

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Department of Anesthesia and Intensive Care, The Chinese University of Ho Prince of Wales Hospital, Shatin, Hong Kong, SAR, China

URINE OUTPUT IN DIAGNOSING ACUTE KIDNEY INJURY AND PREDICTING MORTALITY

Azrina Md Ralib, Mohd Basri Mat Nor

Department of Anaesthesiology and Intensive Care, Kulliyyah of Medicine, International Islamic University Malaysia, Kuantan, Pahang, Malaysia

BACKGROUND

Urine output is the oldest biomarker of AKI. Clinically it can be the first indication of kidney dysfunction, especially in critical care settings where hourly urine outputs are routinely measured. It has been shown that the ideal urine output threshold for prediction of mortality or dialysis was 0.3 ml/kg/h for moving block of 6 hours.

OBJECTIVES

We aim to assess this threshold in mortality prediction in our ICU population.

METHODS

This was a secondary analysis of a single centre, prospective observational study. Admission of less than 48 hours, post-elective surgery and ICU readmission were excluded. A moving average urine output over 6 hours over body weight was calculated for the first 48^{th} hour post ICU admission. AKI_{uo} was defined if urine output less than 0.5 ml/kg/h, and UO_{0.3} less than 0.3 ml/kg/h.

RESULTS

A total of 143 patients were recruited, of these 87 (61%) had AKI_{uo} , and 52 (36%) had $UO_{0.3}$. The AUC of AKI_{uo} in predicting mortality was 0.62 (0.51 to 0.72), and $UO_{0.3}$ was 0.66 (0.55 to 0.77). There were lower survival in patients with AKI_{uo} and $UO_{0.3}$ compared to those without (p=0.01, and 0.001, respectively). However, after adjusting for covariates (age and SOFA score without renal score), only $UO_{0.3}$ but not AKI_{uo} independently predicted mortality (HR 2.44 (1.15 to 5.18)). AKUuo assessed over 6 hours or longer independently predicted mortality, whereas $UO_{0.3}$ assessed over 2 hours or longer predicted mortality.

CONCLUSIONS

A threshold of 6 hourly urine output of 0.3 ml/kg/h but not 0.5 ml/kg/h was independently predictive of mortality. Duration of urine output assessed as low as 2 hours can be used when utilising the stricker definition, whereas at 6 hours is needed using the standard criteria. This support previous finding of a more stricker urine output definition in acute kidney injury.