16th World Congress of Anaesthesiologists

28 August – 2 September 2016
Hong Kong Convention and Exhibition Centre

FINAL PROGRAMME
Rapid Recovery impacts your patients
and improves PACU efficiency.1,2

DESFLURANE PRESCRIBING INFORMATION
This prescribing information is based on the HK Package Insert and is intended for international use only. Please always consult your full country-specific SPC as licenses and licensing conditions may vary from country to country.

Name and composition: Desflurane 100% v/v Inhalation vapour, liquid. Indications: Inhalation agent for induction and/or maintenance of anaesthesia in adults, maintenance of anaesthesia in paediatrics. Dosage and Route: See SPC for full details. Administration by inhalation using vapouriser specifically designed for use with desflurane and dose individualised based on patient’s response. MAC decreases with increasing age. Induction: End-tidal concentrations of 4-11% usually produces surgical anaesthesia in 2-4 minutes. Not for induction in paediatrics. Maintenance: 2.5-8.5% with or without concomitant nitrous oxide. 5.2-10% with or without nitrous oxide in paediatrics. Not for use in non-intubated children. Concentrations of 1-4% have been used successfully in chronic renal/hepatic impairment and renal transplant. Side effects: Nausea and vomiting has been reported postoperatively – may be due to a range of factors and common following surgery under general anaesthesia. Common (≥1/100 <1/10) Pharyngitis, breath holding, headache, conjunctivitis, nodal arrhythmia, bradycardia, tachycardia, hypertension, apnoea, cough, laryngospasm, salivary hypersecretion. Precautions: Only to be administered by people trained in administration of general anaesthesia with appropriate emergency measures available. Monitor blood pressure and heart rate as part of evaluation of the depth of anaesthesia. Caution in use with LMA or face mask in children under 6 years. May trigger malignant hyperthermia. Inhaled anaesthetics have been associated with increases in serum potassium. Prompt and vigorous treatment for hyperkalaemia and arrhythmias recommended. Disruption of hepatic function, jaundice and fatal liver necrosis have been reported with halogenated anaesthetics. May increase CSF pressure but attention to maintain CPP. Hypotension and respiratory depression increases as anaesthesia deepens. Carbon dioxide absorbers should not dry out. Appropriate analysis should be administered at the end of surgery or early in PACU. Caution with repeated anaesthesia in a short period of time. Desflurane has been associated with some glucose elevation intra-operatively. Safety of desflurane has not been established in obstetric procedures. Contra-indications: Not to be used if general anaesthesia in contra-indicated, known hypersensitivity to halogenated agents or known susceptibility to malignant hyperthermia. Interactions: MAC reduced by concomitant N2O administration. Concomitant administration of opioids or benzodiazepines show a marked reduction in MAC. Neuromuscular blocks are potentiated by desflurane. Overdose: Discontinue desflurane, establish clear airway and initiate assisted/controlled ventilation with pure oxygen. Support and maintain adequate haemodynamics.
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Welcome messages

Welcome to the 16th World Congress of Anaesthesiologists (WCA) in Hong Kong from 28th August to 2nd September 2016!

This is a joint meeting between the Society of Anaesthetists of Hong Kong (SAHK) and the World Federation of Societies of Anaesthesiologists (WFSA) whose objectives are to make available the highest standards of anaesthesia, pain treatment, trauma management and resuscitation to all peoples of the world. With this in mind, our organising committee has put together a comprehensive and clinically relevant programme that will update you on the latest standards and innovations in anaesthesia, pain medicine and intensive care. Lectures, industry symposia and workshops will encourage interaction between participants and ensure, quite literally, something for everyone.

The World Congress is the Olympics of the Anaesthesia world, keenly anticipated as it travels the globe and a wonderful occasion to bring all the international practitioners of our specialty together. Although our backgrounds and resources may be very different, we all face similar problems and challenges in providing the very best care to our patients. WCA is the preeminent Anaesthesia congress and only takes place every four years. The programme features 20 different scientific tracks organised by leaders in each field, together with symposia on Anaesthesia and Cancer, Obesity and Sleep Medicine and you can learn about Anaesthesia with Chinese characteristics with the Chinese Society of Anesthesiology. Our aim is to provide first-rate, global, scientific content that is also clinically relevant with a strong practical emphasis. I’m grateful to all those who have submitted the 800 scientific abstracts and hope you will enjoy and benefit from presentation and discussion with colleagues and peers in your field.

Hong Kong is “Asia’s World City” - the most vibrant city in the world with a dynamic and fascinating history. A safe, cosmopolitan and friendly place with excellent infrastructure, Hong Kong is strategically located in the heart of Asia. With so many things to see and do where “East meets West” you will be spoilt for choice with our superb and varied restaurants, excellent competitively priced hotels, shopping, beaches, country parks and natural beauty. If that is not enough, we have a social schedule with something for everyone. Join us for a networking evening in a relaxed atmosphere at the 100-year heritage building, Western Market, take a helicopter ride over the island or join a small group history lecture tour. Make the most of your visit to our unique city, you won’t be disappointed! (I only intended to be here for a year myself...in 1992).

Michael Irwin
President of WCA 2016
Welcome to the “Olympic Games of Anaesthesia Congresses” to be held at the Hong Kong Conference Centre August 28 - September 2, 2016.

This 16th World Congress of Anaesthesiologists has been organised by the Society of Anaesthetists of Hong Kong on behalf of the World Federation of Societies of Anaesthesiologists. The Hong Kong Congress Organising Committee is chaired by Professor Michael Irwin and he and his team have created what will be a truly memorable experience for all those who attend.

The Scientific Programme, as overseen by Professor Tony Gin, is truly innovative and includes plenty of interactions through workshops, PBLDs and poster sessions as well as lectures from opinion leaders from around the world. Look out for the Humanities track which will include music, art, ethics as well as history. In addition to all of the anaesthesiological updates there will be a vast trade exhibition all of which will be housed in the purpose built modern conference centre overlooking the busy Hong Kong waterways. Please come along to the WFSA stand, meet the team and take part in our Safe Anaesthesia For Everybody - Today “SAFE-T” Campaign.

Attendance in Hong Kong enables a very special cultural experience as well. Food, language, customs, architecture and religion are diverse and fascinating and can all be explored in one of the most beautiful harbour settings in the whole of Asia. Many people suggest that there is a lower need to attend such meetings nowadays as information can be taken from journals, podcasts, websites and so on... Nothing could be farther from the truth in my view. To sit and have coffee with a colleague from Togo together with someone from the Mayo Clinic, another from Tirana in Albania and another from Tegucigalpa in Honduras cannot be replicated by any other means. Friendships are made which last lifetimes, challenges are shared and new ideas can invigorate jaded minds to spur on new research or bring back new methods to demonstrate to colleagues back at home. This can only bring benefits for all our patients.

I welcome you to Hong Kong. Look at the opportunities within this programme and please augment the congress with your ideas and enthusiasm. I hope we will meet, please come and say “hello” to all of the WFSA team if you see us around the meeting.

David Wilkinson
President of WFSA
It is with great pleasure that I offer a few words of welcome to all of the delegates to the 16th World Congress of Anaesthesiologists in Hong Kong.

I have been involved with the WFSA since 1995 and have enjoyed watching it grow and prosper since then. It is the only organisation that speaks for anesthesiologists all over the world. It must continue to speak out as the need for safe anaesthesia and safe surgery is paramount. WFSA educational programmes are essential to the continued effort to improve anaesthesia quality everywhere.

The greatest joy I have had from my involvement has been meeting colleagues throughout the world. All are dedicated to providing better care for their patients no matter what the circumstances. During this, the 16th WCA, enjoy the science but, most of all, enjoy the spirit of friendship which abounds.

Angela Enright
WFSA President 2008-2012

Dear participants of the World Congress of Anaesthesiologists in Hong Kong 2016.

The Hong Kong Society of Anaesthetists deserves our warm gratitude and congratulations for hosting the 16th World Congress of Anesthesiologists and composing such an interesting scientific programme with something for everyone.

Each world congress - since the first in 1955 - has been a wonderful and inspiring experience from which many friendships have arisen and many fruitful scientific collaborations have emerged. The coming together of so many subspecialties and different nationalities is a superb tradition allowing less affluent societies and individuals to benefit through educational programmes, the development of cost-effective equipment, and the distribution of learning materials.

It’s another good tradition to shake hands with a stranger at every session you attend and to exchange a digital signature - this sort of interaction will enhance your future professional life.

Working as an anaesthesiologist with ether inhalation in a rural hospital (Uganda, ’72-’74) monitored with a precordial stethoscope to total intravenous anaesthesia for major surgery in the Erasmus University Medical Centre (’81-’09) in the very aged/very young monitored with an intra-arterial and Swan-Ganz catheter - the developments within our specialty have never ceased to amaze me. And this progress is mainly thanks to curiosity, a desire to improve our patient’s condition and outcome, and encouragement at meetings such as these where the cross-fertilisation of ideas is paramount.

Having served 8 years as a member of the paediatric anaesthesia committee during which “Basic Considerations for Paediatric Anaesthesia” was produced and (in the same period) as secretary of the organising committee of the 10th WCA in the Hague (the Netherlands), followed by 4 years as a member of the Executive Committee, 8 years as Secretary General and 4 years as President, I am very grateful to have met and collaborated with numerous individuals - all involved in one way or another with our specialty.

Please enjoy the multinational platform you are attending and - once again - try to shake hands with a stranger and then you will help to fulfil the WFSA’s aim: to make available the highest standards of anaesthesia to all peoples of the world.

Anneke E.E. Meursing
WFSA President 2004-2008
Dear Colleagues, I had 20 fulfilling years with the WFSA starting in Manila in 1984 on the Education Committee. I became chair in 1987 and between 1988, when we enlarged the committee in Washington, and 1992 we expanded its activities from sending a few lecturers to societies on request to sending lecturers from 25 countries to fifty countries with some courses attracting anaesthetists from surrounding island nations in the Pacific and countries in francophone West Africa in addition. Roger Eltringham and Philippe Scherpereel played important roles in this development. This was a major step forward in WFSA’s activities and led on the Bangkok Training Centre under Thara Tretrakarn’s leadership providing anaesthesia training for 3-4 doctors each year from Cambodia, Vietnam, and later Mongolia and Myanmar. The success of this programme has led to the development of several other training centres around the world.

In those years before the internet, and even faxes, it was difficult for people in many less well off areas to even obtain literature. Iain Wilson and World Anaesthesia initiated Update in Anaesthesia to fill the gap making it available in English, French, Spanish, Russian, Mandarin, and sometimes Arabic. It was later linked to WFSA.

Roger Eltringham, as chair of the Publications committee then organised anaesthetists who did not want to keep their journals to send them on to requesting individuals and institutions.

It is hard to conceive that these initiatives were so important now that people all over the world have access to the internet.

John Zorab, who was President from 1984-8 deserves special mention because he initiated lecture series booklets, promoted to idea of holding refresher courses which later came to fruition and suggested giving grants to promising Eastern European anaesthetists before Perestroika, to have 3 month scholarships to visit departments in the west. Some of these became leaders in their countries. The Israeli Society gave additional funds which enabled Gabriel Gurman to provide support for a greater number of people from some of these countries, e.g. Romania, Bulgaria and Moldova.

The establishment of the African Region of WFSA was requested by the African delegates at the Sydney WCA in 1996. I was asked to negotiate and organise this because I spent my childhood in Kenya. The process was completed at the first all African Congress in Harare in 1997. Two magnanimous things happened. First, Hannes Loots, a white South African withdrew from the election of the chair for the steering committee to allow the outstanding Ghanian lady, Dorothy Foulkes Crabbe who was the very influential Professor in Lagos, Nigeria to become the chair. She eventually chaired the African Region. The second was when Laurie Marks from Zimbabwe, who was elected to the Board, asked to stand down to let Martin Chobi from Benin take his place to let a francophone West African provide a better balance to the committee.

I also helped the formation of the South Asian Confederation of Anesthesiologists. It was a great example of how anaesthetists from countries which were politically dispirit can come together to help each other. That is an attribute of our specialty which we should cherish.

The theme of the Sydney World Congress where I supervised the scientific programme, was “Coming together - 150 years on”. We had speakers from about sixty countries. In Paris in 2004 they had an organ recital in Notre Dame Cathedral which was outstanding - there were hundreds of delegates in attendance from all over the world and of all races and religions. We are a great brother and sisterhood despite our differences in background. This should be valued.

I am sorry not to be with you at this exciting congress but I am now 80 and conditions which afflict the elderly have reduced my mobility so that I don’t travel far. I enjoyed Hong Kong when I used to examine there and when I attended the Asian Australasian Congress in 1986.

My good wishes for a successful congress and special greeting to any old friends who happen to be attending. As I lectured and taught in 70 countries and trained people from 40 countries number of you may be there. Try to meet people from places with which you are not familiar.

Kester Brown
WFSA President 2000-2004
Ladies and Gentlemen, dear Sisters and Brothers in Anaesthesiology worldwide!

These are the greetings from - most likely - the last still living Founding Father of the WFSA. I was the - then 34 years old - Past President and official Delegate of the Austrian Society in Scheveningen and my signature is on the Founding Charter of the Federation of 1955. I woud have loved to be here personally, but in my 96th year of life it’s too cumbersome for me to travel half around the world just for a short speech. That’s why my friend David Wilkinson suggested to step in and read my short note to you. (I had been in beautiful Hongkong 4 or 5 times, the first time in 1966 on my way to the Second Asian-Austral-Asian Congress in Tokyo, the last time in 1984 travelling to the 8th World Congress in Manila).

My personal involvement in WFSA-affairs dates from 1955 to 1984: The first 9 years as Member of the Executive Committee, from 1964 to 1972 as Secretary, from 1972 to 1976 as President, followed by two periods as Chairman of the Membership Committee till 1984. Up to then the Federation had grown to almost its present size and at least four Regional Training Centres had gone into function in Caracas, Manila and in East and West Africa. But the most active time of the Federation was still to come there after, when I became a salient, but proud watcher more or less from afar. For all further progress World wide towards safety and comfort of our patients I offer my congratulations and my sincerest thanks to the present generation of leading anaesthesiologists and of course to every single individual.

The seeds we had sprayed more than 60 years ago have brought a tremendous harvest and will continue to do so. I offer my best wishes for the further progress of our speciality and I am sure that this 16th World Congress will be a further step in this direction.

Greetings from your Past President nr. 5. My heart is with you all today.

**Otto Mayrhofer**
WFSA President 1972-1976
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Scientific Convenor
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Jin Liu, China
Yuguang Huang, China
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Acknowledgements
WCA would like to thank the following persons for having reviewed abstracts submitted for the congress:

About WFSA

The World Federation of Societies of Anaesthesiologists (WFSA) seeks to ensure universal access to safe anaesthesia and unites hundreds of thousands of anaesthesiologists behind this goal. With a focus on patient care we deliver our mission through working together on four key programmes that tackle the barriers to safe and timely access to anaesthesia care.

Our programmes are run in partnership with Member Societies of Anaesthesiology and other organisations that share our objectives. We have official liaison with the World Health Organisation (WHO), are a founding member of the G4 Alliance and also work with governments, with other legislative bodies, with surgical organisations, with NGOs, with hospitals and with training centres.

Our impact is felt globally. Education programmes in Africa, Asia, Europe and Latin America train thousands of anaesthesiologists every year, our publications are accessed by anaesthesia providers working across high resource and low resource settings, and our advocacy work brings key issues to the World Health Organisation and other global decision makers.

We are proud of over 60 years of working as a Federation and together with our partners and members we have done much to achieve our aims, but with 5 billion people without access to safe and affordable anaesthesia and surgical care when needed, there is a long way to go.

In 2016 the WFSA launched the Safe Anaesthesia For Everybody – Today “SAFE-T” campaign to unite anaesthesiologists around the world in a pledge to promote the International Standards for a Safe Practice of Anaesthesia and ensure patients receive the safest possible care. Please visit the WFSA stand in the Global Village to take part!

WFSA Award Winners 2016

The WFSA Service Awards are designed to acknowledge the incredible work done by individuals within our network.

The Distinguished Service Award Winners

Dr Anis Baraka:
Dr Baraka was Emeritus Professor at the Department of Anaesthesiology, American University of Beirut from October 2008. He also held a number of positions including Vice President, World Federation of Societies of Anaesthesiologists (as well as Member of the Executive Committee and Committee on Education and Scientific Affairs of the WFSA). Sadly Dr Baraka passed away on 30th June 2016.

Dr Roger Eltringham:
Dr Eltringham was appointed to the WFSA Education Committee in the 1980s, serving for 8 years. He later began focusing on introducing affordable anaesthesia services in the world’s poorest countries and introduced the Glostavent anaesthetic machine, an inexpensive, economical machine that can function in the absence of oxygen and electricity.

Professor John Rowe Moyers:
Dr Moyers moved to the Anaesthesia Department at the University of Iowa where he developed a cardiac anaesthesia group and became full Professor in 1990. He served on numerous committees within his department, the college of medicine, and the university over the next 35 years. In 2014 Dr Moyers retired and he remains Professor Emeritus.

Dr Haydn Perndt:
Dr Perndt has extensive experience working and teaching in developing countries. His overseas work includes missions on the Thai Cambodian border, Somalia, East Timor, Sudan and Burundi. He has spent extended periods training anaesthetists in Vanuatu, the Solomon Islands and the Cook Islands. He has been involved in the establishment of Postgraduate Anaesthesia training programs in Fiji and East Timor.
The WFSA Innovation Awards are designed to encourage and support innovation in anaesthesiology that has had, or is likely to have, a positive impact on surgical patient outcomes.

Dr Paulin Ruhato Banguti (Rwanda), awarded for his countrywide anaesthesia practice network (APN) for education, mentorship and patient safety in Rwanda.

Dr Christopher Hudson, Dr Viren Naik and Dr Emma J. Stodel (Canada), awarded for creating online tools to support a competency-based anaesthesiology residency program.

Dr John Hyndman (New Zealand), awarded for creating the HYVAN Compact Anaesthesia machine for use in developing countries.

Dr David Peel (United Kingdom), awarded for his creation of a solar powered oxygen concentrator that will create sustainable oxygen supplies for use in operating rooms in low resource settings.

Dr Neha Singh (India), awarded for a low-cost head-rest for providing anaesthesia to patients in the prone position in the intensive care unit.

Dr Aruna Wickramasinghe (Sri Lanka), awarded for creating a new, low cost video laryngoscope.

For more information and a chance to engage with the winners and their innovations please visit the Global Village in the Exhibition Area.

The WFSA Presidential Service Award Winners

Dr Archie Brain:
Dr Brain studied privately to obtain the basic scientific qualifications and qualified in 1970 from St Bartholomew’s Hospital in London. He invented the LMA™ laryngeal mask which has been used over 300 million times worldwide in elective anaesthesia and emergency airway.

Dr Humberto Sainz Cabrera:
Dr Sainz Cabrera has participated in more than 100 congresses and conferences as a national and international guest lecturer, given over 200 lectures in Latin America, published more than 40 articles in national and international journals, is a co-author of three books, and editorial board member of several national and international medical journals.

Professor Thara Tritrakarn:
Professor Tritrakarn has trained generations of Thai anaesthesiologists and in 1996, at the request of the WFSA, began training young anaesthesiologists from surrounding countries. The Bangkok Anaesthesia Regional Training Centre has trained over 70 anaesthesiologists, all of whom have returned to their home countries and most of whom are still practicing there.

Dr Tiberiu Ezri:
Dr Ezri has been Head of the Department of Anaesthesia at the Wolfson Medical Centre, affiliated to Tel Aviv University since 2000. He has been leading the Wolfson MC team in performing anaesthesia for cardiac surgeries on thousands of children from over 40 low resource countries.
General information

REGISTRATION DESK OPENING HOURS
The congress opens on Sunday 28 August 2016 - 12:00 and closes on Friday 2 September 2016 - 15:00.

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Sunday 28 August</td>
<td>08:00 – 18:00</td>
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<tr>
<td>Monday 29 August</td>
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<td>Tuesday 30 August</td>
<td>06:45 – 17:45</td>
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<td>Wednesday 31 August</td>
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<td>Thursday 1 September</td>
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<td>Friday 2 September</td>
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VENUE
The Hong Kong Convention and Exhibition Centre (HKCEC) is located in the heart of Hong Kong Victoria Harbour. The harbour provides a spectacular backdrop to this impressive exhibition and meeting venue. The facilities are located in the heart of the Hong Kong Island and just a few minutes’ walk from a wide range of hotels, and is readily accessible by various means of public transport.

Hong Kong Convention & Exhibition Centre (HKCEC)
1 Expo Drive, Wan Chai, Hong Kong

ORGANISING SECRETARIAT
In charge of registration, abstract handling, partnership & investment opportunities, hotel reservations.

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Website: www.mci-group.com

BADGES
Access to all scientific events will only be possible with your personal badge which you will receive at the registration desk, located in the Convention Foyer on Level 1. All participants are requested to wear their name badge throughout the congress. For replacement of a lost badge a fee of USD 100.00 will be charged.

BADGES ARE COLOUR-CODED AS FOLLOW:
- Transparent: Congress participants
- Golden colour line: Invited speakers and committees
- Green colour line: Exhibitors
- Red color line: Accompanying persons

CLOAKROOM
A cloakroom is available near the Harbour Road entrance on level 0.

COFFEE BREAKS
Coffee breaks are served in the exhibition halls on level 5 from Monday to Thursday and then throughout the meeting space on Thursday afternoon and Friday.

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Monday 29 August</td>
<td>10:00-10:45 / 15:30-16:00</td>
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<tr>
<td>Tuesday 30 August</td>
<td>10:00-10:45 / 15:30-16:00</td>
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<td>Wednesday 31 August</td>
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<tr>
<td>Thursday 1 September</td>
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<tr>
<td>Friday 2 September</td>
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CONGRESS EVALUATION
We would be grateful if you could take a few minutes to complete the evaluation form that will be sent to you by email after the congress. It will be used to get your opinion about the congress and the scientific programme. This will help us to continue improving the congress in future years.

CONTENT CAPTURE - ON-DEMAND ACCESS TO SCIENTIFIC SESSIONS
The majority of the Scientific Sessions will be recorded and made available to congress participants shortly after the congress for a duration of 1 year. Should you not have yet purchased access to this outstanding learning resource; you can purchase your access to the on-line sessions at the registration area during the congress.

CURRENCY
All official congress prices are indicated in US Dollars. The official currency in Hong Kong is the Hong Kong Dollar (HKD). All major credit cards are accepted in most hotels, restaurants and shops.

EXCURSIONS/POST-CONGRESS TOURS
Excursions in Hong Kong surroundings are taking place during the congress. For further details, please visit the WCA website or visit us at the registration desk.

Four post congress tours have been specially created to follow the 16th World Congress of Anaesthesiologists in Hong Kong. All tours start on Saturday 3 September and are escorted by tour leaders with relevant medical or professional expertise. All tours are organised by Jon Baines.
Tours, a specialist study tour operator for professional and medical groups. Jon Baines Tours has offices in London and Melbourne and has organised many tours following international congresses.

Contact: +61 (0) 3 9343 6367
E-mail: info@jonbainestours.com.au

EXHIBITION
The WCA 2016 exhibition presenting the latest technical equipment and pharmaceutical products will take place in Halls 5 (B-C-D-E), level 5.

EXHIBITION OPENING HOURS

<table>
<thead>
<tr>
<th>Date</th>
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<tr>
<td>Sunday 28 August</td>
<td>17:00-21:00</td>
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<tr>
<td>(Welcome Reception in the Exhibition halls 19:30-21:00)</td>
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<tr>
<td>Monday 29 August</td>
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<td>Thursday 1 September</td>
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HOTEL ACCOMMODATION
MCI Suisse SA, the official housing bureau for WCA, is present at the congress in the registration area. For assistance on-site, please go to the hotel desk in the main registration area, level 1.

INSURANCE
It is recommended that participants obtain adequate cover for travel, health and accident insurance before they depart from their countries. WCA and MCI as organisers cannot accept responsibility for personal injuries, or loss of, or damage to, private property belonging to the congress participants and accompanying persons.

INTERNET CORNER/CYBER CAFE
An internet corner is located in the exhibition area and is available to all congress participants during the opening hours of the exhibition. Cyber Cafe kindly supported by Elocum. Wi-Fi is also available throughout the venue.

LANGUAGE
The official language of the congress is English. There will be no simultaneous interpretation for the congress in the main sessions. Simultaneous translation will only be provided in the WFSA General Assembly on Sunday 28 August.

MOBILE APPLICATION
Get all the information you need on your fingertips with the WCA 2016 Mobile Application, sponsored by Dameca.

It is available for free on iOS and Android.

WATER STATIONS
Complimentary water dispensers, located throughout the venue, are kindly offered by Carefusion.

WCA TV
The World Congress of Anaesthesiologists is partnering with the international film and broadcasting company, WebEdge to bring WCA TV to the 16th World Congress of Anaesthesiologists, from 28 August-2 September in Hong Kong.

WCA TV is an onsite conference television channel featuring a new episode daily, screened around the venue, as well as on a dedicated television channel in selected guest hotel rooms and online.

This venture serves to raise visibility of the hard work of Anaesthesiologists and to provide an opportunity to learn about new and ongoing programs that are advancing the practice and specialty of pain medicine.

Each daily program has two features: “In-Depth Reports” and “Congress News.” “In-Depth Reports” are five-minute sponsored film segments highlighting programs, case studies and best practice in the field. Congress News is a daily program of congress highlights, featuring “behind the scenes” interviews, coverage of congress events, and reactions to the day from attending delegates.

Networking events
Don't miss the unique opportunity to meet and network with friends and colleagues from around the world in a relaxed atmosphere. Enjoy the unmatched charm of the different venues and artistic performances selected for you by the Local Organising Committee.

The Networking Events will get started on the evening of Sunday, August 28th 2016 with traditional performances, complimentary catering and hand crafting activities, offering a stimulating environment to build your community within the WCA 2016.

Don't miss this exceptional chance to experience the culture of Hong Kong and get to know all the other attendees!

OPENING CEREMONY & NETWORKING RECEPTION
Sunday 28 August 2016, 18:00 to 19:30,
HKCEC Congress Centre, Grand Hall, NETWORKING RECEPTION - EXHIBITION HALLS 5BCDE

INCLUDED IN THE REGISTRATION FEE
The official WCA 2016 Opening Ceremony will give you the opportunity to listen to your hosts David Wilkinson (WFSA President, United Kingdom), Mike Irwin (WCA President, Hong Kong) and Tony Gin (WCA Scientific Chair, Hong Kong).

Join us to celebrate the WFSA awards winners and enjoy the opening performances of the world famous Dragon Dance! This is a traditional dance and performance in Chinese culture, often performed during Chinese New Year. Chinese dragons are a cultural symbol and they are believed to bring good luck to people. The dragon was an emblem to represent imperial authority and possess qualities that include great power, dignity, fertility, wisdom and auspiciousness. The appearance of a dragon is both fearsome and bold but it has a benevolent disposition.
Following a beautiful piano performance executed by Joe Chindamo, a renowned jazz pianist and gifted composer, you will be able to enjoy another fantastic artistic act with the sand painting master Hoi Chiu.

In this live performance, Hoi Chiu, an international awards winner, will blend anesthesia and Hong Kong by expertly scooping, tossing and sweeping the grains across a lightbox. He will use his hands as “paintbrushes” to ‘draw’ images in the air, making it a truly unique and enchanting show not to be missed!

**SAHK WCA 2016 RECEPTION**

Wednesday 31 August 2016, 19:00 at the Grand Stage

Price: USD 98.00. *(please check availability at the registration desk)*

Come and meet colleagues and friends at an enchanting evening put together by your host especially for you! Enjoy a stand-up cocktail buffet serving delicious Cantonese and international dishes with free flow of drinks.

Make the congress experience memorable by taking photos with a traditional Hong Kong Rickshaw and by enjoying the entertaining Photobooth experience together with other delegates.

The Reception will be opened by live performances such as the Face Changing Dramatic Art, part of the ancient general Sichuan Opera, and a spectacular Kung Fu Show. Enjoy this exclusive evening and let your feet guide you to dance the night away with our top Jazz Band featuring the talented singer Tess Collins.

**CLOSING CEREMONY**

Friday 2 September 2016, 14:00-15:00 at the HKCEC Congress Centre, Convention Hall.

**Scientific information**

**ABSTRACTS**

All accepted research abstracts are published in a Supplement of the Anaesthesia and Analgesia Journal available online.

Accepted case reports are not published in the Anaesthesia and Analgesia Journal, but are available on the WCA website.

**CERTIFICATE OF ATTENDANCE**

A certificate of attendance will be sent to all participants by email after the congress.

**CONTINUED MEDICAL EDUCATION (CME) ACCREDITATION**

16th World Congress of Anesthesiologists is designated for a maximum of 30 hours of scientific content.

The Hong Kong College of Anaesthesiologists (HKCA) has accredited the WCA 2016 scientific programme with a total of 31.25 CME/CPD points.

**EPOSTERS**

ePosters will be presented during ePoster discussions in ePoster presentation theatres located in Halls 5 B-C. You may find details of presentations per track on page 108.

ePosters will also be available on touch screens for the whole duration of the congress in the ePoster area (Halls 5 B-C) and in the registration area in the afternoon of Thursday 1 September and on Friday 2 September.

**PROBLEM BASED LEARNING DISCUSSIONS (PBLDs)**

“Attendance to PBLDs is subject to a fee of USD 15.00 and requires pre-registration. To register, please check availability at the Additional Services Desk in the registration area.

See detailed programme from page 78.”

**SATELLITE SYMPOSIA TIMINGS**

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<tr>
<td>Monday 29 August</td>
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**SPEAKER PREVIEW ROOM**

The Speakers’ Preview Room is connected to all main lecture rooms (excluding workshops and PBLDs session rooms). The Speaker Preview Room is located in room N204-205 on, level 2.

**INSTRUCTIONS FOR SPEAKERS & AUTHORS**

Please locate your session room in due time and be there at least 15 minutes prior to the start of the session.

Lecturers should deliver and view/check the presentation at the Preview Room at least 2 hours prior to the start of the respective session.

For morning sessions, the PowerPoint presentation should be delivered on the previous day in order to avoid any delay.

Please make sure you copy your presentation to the proper place. If you have a movie in the presentation or have difficulties with uploading, please ask help from the onsite technicians.

Exceptions: Please note that the main session rooms are connected to the Presentation Management System. All workshops and PBLDs rooms are not connected to the speaker preview room.

If you have an oral presentation scheduled in a workshop or a PBLD, you must take your presentation on a USB key directly to the room.

**WORKSHOPS AND PBLDs**

Attendance to workshops and PBLDs requires pre-registration and additional charge.

To register, please check availability at the Additional Services Desk in the registration area.

See detailed programme from page 78.
<table>
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<tr>
<th>Name</th>
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PROGRAMME OVERVIEW

All information contained in this programme was up to date at time of printing. For latest updates, please refer to the online programme or WCA Mobile App.

For Workshops and PBLDs, *Pre-registration required.

Sunday 28 Aug
## PROGRAMME OVERVIEW

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<td>WORKSHOP SERIES 1: ABDOMINAL WALL BLOCKS (SPINAL, LUMBAR, ABDOMINAL, AND PERIPHERAL NERVE BLOCK)* 15:30-17:00 page 96</td>
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<td>WORKSHOP SERIES 1: ULTRASOUND FOR CENTRAL NEURAXIAL BLOCKS - THE BASICS (INCLUDES THORACIC, LUMBAR AND SACRAL SPINAL)* 15:30-17:00 page 96</td>
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* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
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<td>ACUTE CARDIAC SURGERY PHARMACOLOGY</td>
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<td>AIRWAY PROBLEMS</td>
<td>ANATOMY AND NEW DEVELOPMENTS IN PERIPHERAL NERVE BLOCKAGE</td>
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**Postoperative Delirium**

**Minimally Invasive Spine Surgery**

**Controversies in Labour Analgesia**

**Full Acute Cardiac Surgery**

**Value-Based Surgical Home**

**Lower Airway Problems**

**Functional Anatomy and New Developments in Peripheral Nerve Blockade**

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**PROGRAMME OVERVIEW**

Monday 29 Aug

**Coffee break and visit of the exhibition**

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**BLUETOOTH TECHNOLOGY & PERIOPERATIVE MEDICINE**

**DIFFICULT AIRWAY, GUIDELINES AND MANAGEMENT**

**MONITORING THE COMPONENTS OF ANAESTHESIA**

**TRAINING IN NEUROANAESTHESIA**

**OLD ANAESTHETICS, NEW EFFECT ON CANCER SPREAD**

**EMERGING TECHNOLOGIES IN OBSTETRIC ANAESTHESIA**

**BEST PRACTICE IN ACUTE PAIN MANAGEMENT**

**TRANSPLANTATION AND VENTRICULAR ASSIST DEVICE**

**Renal Intensive Care**

**Optimizing Postoperative Pain Relief with Peripheral Nerve Blocks**

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*Pre-registration required for Workshops and PBLDs - see detailed programme from page 78

**Symposia Programme details - please see from page 157**
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>07:00</td>
<td>WFSA Training Programmes - Successes and Challenges 08:30-10:00</td>
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<td>09:00</td>
<td>Novel Uses of History in Anaesthesiology 08:30-10:00</td>
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<td>09:00</td>
<td>Instructor Course for Airway Management: Beyond Basic (Day 1 of 2)*</td>
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<td>08:30-18:00 (page 84)</td>
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<td>10:00</td>
<td>Satellite Symposium**</td>
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<td>Instructor Course for Mechanical Ventilation: Beyond Basic*</td>
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<td>09:00-16:30 (page 85)</td>
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<td>Satellite Symposium**</td>
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<td>Designing an Anaesthesia Resident Curriculum 14:00-15:30</td>
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<td>Anaesthesia Before 1842: 14:00-15:30</td>
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<td>Assessment of Residents - Finding the Right Balance 16:00-17:30</td>
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<td>History of Anaesthesia Across the Globe 16:00-17:30</td>
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<td>Instructor Course for Basic DHS (Developing Health Systems) (Day 1 of 2)*</td>
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<td>10:30-17:30 (page 85)</td>
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<td>20:00</td>
<td>Workshops: Monitoring Neuromuscular Block*</td>
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<td>16:00-17:30 (page 94)</td>
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* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78

** for Symposia Programme details - please see from page 157
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>07:00</td>
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<td>LOWER EXTREMITY NERVE BLOCK TECHNIQUES II: POPLITEAL, SCARCY, NERVE BLOCK; SAPHENOUS NERVE AND ANKLE BLOCK* 10:45-12:15 page 97</td>
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<td>WORKSHOP: APPS AND OTHER INFORMATION DEVICES FOR ANAESTHESIA* 08:30-10:00 page 106</td>
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<td>WORKSHOP SERIES 2: ULTRASOUND PROTOCOLS FOR CHRONIC PAIN: HYDRODISSECTION OF COMMON NERVE ENTRAPMENTS - UPPER EXTREMITY, CERVICAL, AND THORACIC REGION* 10:45-12:15 page 98</td>
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<td>PBLD 01: OPTIMAL DOSING OF IV ANAESTHETICS IN OBESITY* 14:00-15:15 page 95</td>
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<td>WORKSHOP: A SIMULATION-BASED WORKSHOP TO UNDERSTAND ANAESTHETIC DRUG INTERACTIONS* 16:00-17:30 page 95</td>
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<td>WORKSHOP: A SIMULATION-BASED WORKSHOP TO UNDERSTAND ANAESTHETIC DRUG INTERACTIONS* 16:00-17:30 page 95</td>
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<td>WORKSHOP: STANDARDS &amp; MODELS FOR NON-PHYSICIAN ANAESTHESIA TRAINING IN LOW INCOME COUNTRIES 10:45-12:15 page 104</td>
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<td>PBLD 02: IDENTIFYING HIGH RISK ELDERLY PATIENTS - WHAT CAN BE DONE?** 14:00-15:15 page 103</td>
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<td>PBLD 02: IDENTIFYING HIGH RISK ELDERLY PATIENTS - WHAT CAN BE DONE?** 14:00-15:15 page 103</td>
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<td>PBLD 03: RE-ENGINEERING THE PREOPERATIVE PATHWAY** 14:00-15:15 page 103</td>
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* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
### Programme Overview

**Monday 29 Aug**

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**Coffee break and visit of the exhibition**

- **WORKSHOP:** HOW DO I BUILD THE PERFECT ANAESTHESIA VENTILATOR? 08:30-10:00 page 106
- **WORKSHOP:** MEASURING ELECTROENCEPHALOGRAPHY (EEG) DURING ANAESTHESIA 10:45-12:15 page 106
- **WORKSHOP:** TIVA WITH OR WITHOUT TARGET CONTROLLED INFUSION (TCI) 10:45-12:15 page 94

*Pre-registration required for Workshops and PBLDs - see detailed programme from page 78*
PROGRAMME OVERVIEW       Tuesday 30 Aug

Coffee break and visit of the exhibition

Coffee break and visit of the exhibition

* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78

** for Symposia Programme details - please see from page 157
**Pre-registration required for Workshops and PBLDs - see detailed programme from page 78**

**for Symposia Programme details - please see from page 157**
PROGRAMME OVERVIEW

Tuesday 30 Aug

Coffee break and visit of the exhibition

Coffee break and visit of the exhibition

* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78

** for Symposia Programme details - please see from page 157
**PROGRAMME OVERVIEW** ......... Tuesday 30 Aug

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**WORKSHOP:** MANAGING EMERGENCIES IN PEDIATRIC ANAESTHESIA (MEPA)*
10:45-12:15 page 88

**WORKSHOP:** MANAGING EMERGENCIES IN PEDIATRIC ANAESTHESIA (MEPA)*
10:45-12:15 page 88

**WORKSHOP:** AIRWAY: FOB (FIBEROPTIC BRONCHOSCOPY)
14:00-15:30 page 102

**“WORKSHOP”** MANAGING EMERGENCIES IN PEDIATRIC ANAESTHESIA (MEPA)*
14:00-15:30 page 88

**“WORKSHOP”** MANAGING EMERGENCIES IN PEDIATRIC ANAESTHESIA (MEPA)*
14:00-15:30 page 88

**WORKSHOP:** AIRWAY: SA (SURGICAL AIRWAY), CRICOTHYROIDOTOMY AND PERCUTANEOUS TRACHEOSTOMY*
16:00-17:30 page 103

| 16:00         |           |               |               |
| 16:30         |           |               |               |
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| 19:30         |           |               |               |
| 20:00         |           |               |               |

* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
### PROGRAMME OVERVIEW

#### Wednesday 31 Aug

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<td>2015 AND BEYOND - A NEW ERA FOR GLOBAL ANAESTHESIA AND SURGERY</td>
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<td>MEASURING OXYGEN IN THE PATIENT</td>
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<td>WHO IS LOOKING AFTER CHILDREN?</td>
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<td>TRAUMATIC BRAIN INJURY MANAGEMENT IN 2016 AND BEYOND</td>
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* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78

** for Symposia Programme details - please see from page 157
### Wednesday 31 Aug

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#### Coffee break and visit of the exhibition

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### PBLD 1: THE MANAGEMENT OF HIGH SPINAL ANALGESIA* 08:30-10:00 page 88

### PBLD 2: LABOUR ANALGESIA: ALTERNATIVES TO EPIDURAL ANALGESIA* 08:30-10:00 page 88

### PBLD 01: PERIOPERATIVE MANAGEMENT OF PATIENTS WITH PACEMAKERS AND IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (ICDS)?* 13:45-15:00 page 82

### PBLD 02: CARDIAC PROCEDURES IN THE PARTURIENT* 13:45-15:00 page 82

### PBLD 03: THORACOABDOMINAL AORTIC ANEURYSM (TAAA) REPAIR: MANAGEMENT STRATEGIES* 13:45-15:00 page 82

### PBLD 04: PAIN MANAGEMENT STRATEGIES IN CARDIAC SURGERY* 13:45-15:00 page 82

### PBLD 05: ANAESTHETIC IMPLICATIONS OF THE NEW ANTITHROMBOTIC AGENTS 16:00-17:15 page 82

### PBLD 06: THE INTERVENTIONAL CARDIAC CAB: CHALLENGING CASES* 16:00-17:15 page 82

### PBLD 07: CARDIOPULMONARY BYPASS (CPB) DISASTERS* 16:00-17:15 page 82

### PBLD 08: TIPS TO SUCCESS IN ANAESTHESIOLOGY LEADERSHIP* 16:00-17:15 page 83

### PBLD 09: EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO): INDICATIONS AND MANAGEMENT* 16:00-17:15 page 83

### PBLD 10: AGENESIS AND FLUID MANAGEMENT* 16:00-17:15 page 83

### PBLD 11: TRANSFUSIONAL AND VASCULAR PROCEDURES: CHALLENGING CASES* 16:00-17:15 page 83

### PBLD 12: PERIOPERATIVE TRANSESOPHAGEAL ECHOCARDIOGRAPHY (TEE): CHALLENGING CASES* 16:00-17:15 page 83

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* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
**PROGRAMME OVERVIEW**

**Thursday 1 Sept**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>07:00</td>
<td>Coffee break and visit of the exhibition</td>
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<td>E POSTER DISCUSSION: PAEDIATRIC PAIN MANAGEMENT 08:30-10:00 page 125</td>
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<tr>
<td>10:00</td>
<td>Clinical poster discussions</td>
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<td>12:30</td>
<td>E POSTER DISCUSSION: PROFESSIONAL PRACTICE, ANAESTHESIA &amp; CANCER, SLEEP MEDICINE &amp; OBESITY 12:30-14:00 pages 141 &amp; 153</td>
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<td>14:30</td>
<td>MINOR'S WHAT ANAESTHETISTS MUST KNOW ABOUT SURGICAL SITE INFECTION 14:00-15:30 page 72</td>
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<td>15:30</td>
<td>E POSTER DISCUSSION: COMMUNICATION: BEYOND SPOKEN WORDS 16:00-17:30 page xxx</td>
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PROGRAMME OVERVIEW

Thursday 1 Sept

* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
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<td>SAFETY INITIATIVES AROUND THE WORLD 08:30-10:00 page 72</td>
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<td>AMBULATORY ANAESTHESIA 2016: AN INTERNATIONAL PERSPECTIVE 08:30-10:00 page 42</td>
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<td>BURNOUT AMONG ANAESTHESIOLOGISTS 08:30-10:00 page 65</td>
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<td>PERIOPERATIVE PERSONALISED MEDICINE 08:30-10:00 page 62</td>
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<td>HUMANITARIAN AND DISASTER WORK – LESSONS LEARNT 08:30-10:00 page 51</td>
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<td>AIRWAY 08:30-10:00 page 58</td>
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<td>SHAKESPEARE AND MEDICINE 08:30-10:00 page 45</td>
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<td>15:00</td>
<td>ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS) 08:30-10:00 page 53</td>
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<td>NEW TYPES OF COCHRANE SYSTEMATIC REVIEWS BENEFITS AND CHALLENGES 08:30-10:00 page 58</td>
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* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
PROGRAMME OVERVIEW

Friday 2 Sept

* Pre-registration required for Workshops and PBLDs - see detailed programme from page 78
Visit our booth No. V101+V103 during WCA 2016 in Hong Kong to get latest information about WCA 2020.

Do not miss the opportunity to WIN FREE REGISTRATION!
PROGRAMME

DATES & TIMES

<table>
<thead>
<tr>
<th>DATE</th>
<th>REGISTRATION AREA</th>
<th>SPEAKERS PREVIEW</th>
<th>FACULTY LOUNGE</th>
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<td>08:00-18:00</td>
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<td>18:00-21:00 Opening ceremony followed by networking reception</td>
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<td>07:30-17:45</td>
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TRACK KEY

- AMBULATORY
- ANAESTHESIA & CANCER DAY SYMPOSIA
- ARTS & HUMANITIES
- CHINESE SOCIETY OF ANESTHESIOLOGY
- CIRCULATION
- EDUCATION & DEVELOPMENT
- INTENSIVE CARE
- NEUROSCIENCE
- OBESITY & SLEEP MEDICINE DAY SYMPOSIA
- OBSTETRIC
- PAEDIATRIC
- PAIN
- PERIOPERATIVE MEDICINE
- PHARMACOLOGY
- PROFESSIONAL PRACTICE
- REGIONAL
- RESEARCH & PUBLICATION
- RESPIRATORY & AIRWAY
- SAFETY & QUALITY
- SPECIAL SESSIONS
- TECHNOLOGY
- SATELLITE SYMPOSIUM
AMBULATORY

Wednesday 31 August 2016

13:34 - 15:15 Teaching the principles of inhalation kinetics with Gas Man
Chair: James Philip (USA)
Facilitator: Hai Yu (China), Murugesan Ravishankar (India), Valerie Billard (France), Jan Hendrickx (Belgium)

Thursday 01 September 2016

08:30 - 10:00 Ambulatory anaesthesia - the world perspective
Chair: Chew-Yin Wang (Malaysia)

08:30 Ambulatory anaesthesia in the US - future trends
TJ Gan (USA)

08:50 Ambulatory anaesthesia in rural and subrural areas
Wichai Ittichaikulthol (Thailand), Thida Yukuntawaranun (Thailand)

09:10 Ambulatory anaesthesia in Asian countries
Edwin Seet (Singapore)

09:30 Non OR Anaesthesia (NORA)
Basem Abdelmalak (USA)

09:50 Discussion

10:45 - 12:15 Effective pain and post operative nausea and vomiting (PONV) management
Chair: TJ Gan (USA)

10:45 Effective PONV management strategies: Is zero incidence a reality?
TJ Gan (USA)

11:05 PONV-guideline implementation: a long and winding road?
Peter Kranke (Germany)

11:25 Opioid adjuncts. How strong is the evidence?
Eugene Viscusi (USA)

11:45 Are all opioids created equal?
Celina Z. Ancheta (Philippines)

12:05 Discussion

16:00 - 17:30 Controversies in ophthalmic anaesthesia
Chair: Gwen Fok (Hong Kong)

16:00 Ultrasound-guided ophthalmic anaesthesia
Steve Gayer (USA)

16:20 Eye surgery and anticoagulation. New thoughts
Chandra Kumar (Singapore)

16:40 The sub-Tenon’s block. Scissors no longer necessary
Philip Guise (New Zealand)

17:00 Which candidates are not appropriate for ophthalmic ambulatory surgery?
Tatjana Simurina (Croatia)

17:20 Discussion

Friday 02 September 2016

08:30 - 10:00 Ambulatory anaesthesia 2016: An international perspective: Primum non nocere
Chair: Beverly Philip (USA)

08:00 Maintaining safety in office anaesthesia - patients and procedures
Beverly Philip (USA)

08:50 ASA Physical Status 3 patients - can they be safely done in ambulatory surgery?
Girish Joshi (USA)

09:10 It’s a team effort: how perioperative nursing support can ensure safety and improve efficiency
Wendy Adams (Australia)

09:30 National registries in ambulatory surgery - using “big data” to examine outcomes
Richard Urman (USA)

09:50 Discussion

10:30 - 12:00 Controversial topics in ambulatory anaesthesia
Chair: Peter Kranke (Germany)

10:30 Escort accompanying discharge is necessary after ambulatory surgery
Pro: Frances Chung (Canada), Con: Johan Raeder (Norway)

11:15 Rocuronium plus sugammadex is the better option for rapid sequence induction and should replace succinylcholine
Pro: Thomas Fuchs-Buder (France), Con: Jan-Uwe Schreiber (Netherlands)
Is this in your future? Day-surgery partial and total joint replacements
Chair: Tatjana Simurina (Croatia)

13:00 Patient, provider, and site selection
Arnaldo Valedon (USA)

13:20 Surgical techniques
Gabrielle Iohom (Ireland)

13:40 Anaesthesia techniques
Meena Desai (USA)

14:00 Clinical outcomes
Girish Joshi (USA)

14:20 Discussion

ARTS AND HUMANITIES

Monday 29 August 2016

08:30 - 10:00

Novel uses of history in anaesthesiology
Chair: Douglas Bacon (USA)
Co-Chair: Cindy Tsui (Hong Kong)

08:30 Critical incidents
Andrew Morley (United Kingdom)

08:55 The ghost in the machine: medical software yesterday, today and tomorrow
Matthew Morgan (United Kingdom)

09:20 Importing notable names to database software
Yoshinori Iwase (Japan)

09:45 Discussion

10:45 - 12:15

Oral presentations: Arts and Humanities
Moderators: Andrew Morley (United Kingdom), David Waisel (USA), Philippe Scherpereel (France), Xinhua Heng (China), Kentaro Dote (Japan), Rajesh Haridas (Australia)

10:45 PR004: THE PROBLEM OF CONSENT IN INTENSIVE CARE RESEARCH: EVALUATION OF ALTERNATIVE APPROACHES
Peter Au-Yeung (Hong Kong)

10:45 PR005: THE IMPACT OF ANAESTHESIA & INTENSIVE CARE TRAINING BY THE UNIVERSITY OF THE WEST INDIES IN TRINIDAD & TOBAGO
Seetharaman Harharan (Trinidad and Tobago)

10:45 PR006: GENERAL ANESTHESIA WAS PERFORMED THROUGHOUT JAPAN BY 1830’S
Amane Konishi (Japan)

10:45 PR007: THE WORLD WAR ONE MILITARY SERVICE OF PAUL M. WOODY
Anthony Louis Kovac (USA)

10:45 PR008: DR HAROLD GRIFFITH AND WFSA IN ASSOCIATION WITH FOUR PIONEER ANESTHESIOLOGISTS FROM JAPAN
Naosuke Sugai (Japan)

10:45 PR009: DR. NORMAN BETHUNE’S ANESTHESIA CHALLENGES IN CHINA
Kim E Turner (Canada)

14:00 - 15:30

History of anaesthesia across the globe
Chair: David Wilkinson (United Kingdom)

16:00 Shackleton’s Doctors: Anesthesia in the Heroic Age of Antarctic Exploration
Paul Firth (USA)

16:25 Anaesthesia in South Africa
Peter Gordon (South Africa)

16:50 Anaesthesia in Southern Africa
Michael James (South Africa)

17:15 Discussion

Tuesday 30 August 2016

08:30 - 10:00

Finding treasure - collecting in anaesthesiology
Chair: Jose Carlos Diz (Spain)

08:30 Wood Library-Museum of Anesthesiology
George Bause (USA)

08:55 Nagin Parbhoo History of Anaesthesia Museum
Peter Gordon (South Africa)

09:20 Geoffrey Kaye Museum of Anaesthetic History
Christine Ball (Australia)

09:45 Discussion
Wednesday 31 August 2016

**Film presentations**
First film: “Duet for pain” (duration: 12 mins)
Second film, “Pain under the microscope” co-created with Helen Omand: (duration: 35 mins)

**Research ethics**
Chair: Wulf Stratling (United Kingdom)
13:45 Consent for clinical research in China  
Xiao-Li Liu (China)
14:10 Clinical research in Japan  
Eiichi Inada (Japan)
14:35 Clinical ethics research in USA  
Gail Van Norman (USA)
15:00 Discussion

**Ethics II**
Chair: David Waisel (USA)
16:00 Ethical issues for Muslim patients in hospital settings  
Monzer Sadek (Qatar)
16:25 Critical assessment of “ethics consultation” by “clinical ethics committees”  
Wulf Stratling (United Kingdom)
16:50 Social and cultural assumptions in relation to clinical decision-making for patients  
Terry Kaan (Hong Kong)
17:15 Discussion

**Performance: Play - Hear Me**
Hear Me is set in a hospital and explores issues of staff culture, patient safety and patient and family involvement. A main theme is the impact of a bullying culture in health. The play provides an innovative way to engage the audience in discussion about the experience of care and the importance of partnering with patients and families. Each play performance is followed by a discussion forum with the audience.
Facilitator: Catherine Crock (Australia)
Actor: Marcella Russo (Australia), Lee Mason (Australia), Jenny Seedsman (Australia)
Producer: Gay Hopgood (Australia)
Playwright/Actor: Alan Hopgood (Australia)
Sound Engineer/Producer: Michael Letho (Australia)

**Musical performance: Hush**
Renowned Australian composer and musician Joe Chindamo composed the 11th album in the Hush Collection: music composed especially to reduce stress and anxiety for children, families and staff in hospitals. Joe chose the theme of reimagining Mozart. The Album, Hush Volume 11: Luminous, has become an all-time favourite in hospitals, many other healthcare settings and for the general public. Joe delights and surprises audiences wherever he plays.
Organiser: Catherine Crock (Australia)
Musician/Composer: Joe Chindamo (Australia)
Teaching the humanities
Chair: Christine Ball (Australia)

08:30 - Uses of history in medical school and post graduate training
Douglas Bacon (USA)

09:20 - Philosophy in medicine
Philippe Scherpereel (France)

09:50 - Discussion

10:45 - 12:15

The Humanities in pain
Chair: David Waisel (USA)

10:45 - Visualizing pain
Deborah Padfield (United Kingdom)

11:10 - Musica Latinoamericana y dolor
José Francisco Fernández (Colombia)

11:35 - Ethics of suffering
Douglas Bacon (USA)

12:00 - Discussion

Performance: Play - Do you know me?

Do you know me? explores a range of issues about caring for the aged. http://www.healthplay.com.au
The play provides an innovative way to engage the audience in discussion about the experience of care and the importance of partnering with patients and families. Each play performance is followed by a discussion forum with the audience.

Facilitator: Catherine Crock (Australia)
Actor: Marcella Russo (Australia), Lee Mason (Australia), Jenny Seedsman (Australia)
Producer: Gay Hopgood (Australia)
Playwright/Actor: Alan Hopgood (Australia)
Sound Engineer/Producer: Michael Letho (Australia)

Musical performance: Hush

Hush Music concerts
Renowned Australian composer and musician Joe Chindamo composed the 11th album in the Hush Collection: music composed especially to reduce stress and anxiety for children, families and staff in hospitals. Joe chose the theme of reimagining Mozart. The Album, Hush Volume 11: Luminous, has become an all-time favourite in hospitals, many other healthcare settings and for the general public. Joe delights and surprises audiences wherever he plays.

Organiser: Catherine Crock (Australia),
Musician/Composer: Joe Chindamo (Australia)

Shakespeare and medicine
Chair: Andrew Morley (United Kingdom)

08:30 - Medicine through the ages: Shakespeare and the four humors
Kathryn McGoldrick (USA)

09:10 - Shakespeare and anaesthesia
Barbara Kennedy (United Kingdom)

10:30 - 12:00

Anaesthesia in the fine arts
Chair: Kathryn McGoldrick (USA)

10:30 - The depiction of anaesthesia and pain relief in art by painters
David Wilkinson (United Kingdom)

10:55 - Satire: the art of persuasion
Alan McLintic (New Zealand)

11:20 - Cecilio Plá’s the discovery of anaesthesia
Jose Carlos Diz (Spain)

11:45 - Discussion
CIRCULATION
Monday 29 August 2016

08:30 - 10:00 ......................................................... N101
Value-based cardiac surgical home
Chairs: Davy Cheng (Canada)
Co-Chair: Colleen Koch (USA), John Moyer (USA)
08:30  Quality and cost management - European perspective
       Peter Rosseel (Belgium)
08:50  Quality and cost management - Asian perspective
       Yuguang Huang (China)
09:10  Quality and cost management - South American perspective
       Jose Mariano (Brazil)
09:30  Quality and cost management - North American perspective
       David Reich (USA)
09:50  Discussion

10:45 - 12:15 ......................................................... N101
Minimally Invasive Cardiac (MIC) surgery and anaesthesia
Chair: Li-Huan (China)
Co-Chair: Nian C. Hwang (Singapore)
10:45  Robotic and hybrid coronary artery revascularization - long-term outcomes
       Bob Kiai (Canada)
11:05  Transcatheter aortic valve replacement (TAVR) - anaesthesia management and outcomes
       Joerg Ender (Germany)
11:25  Minimally invasive mitral repair and surgery
       Yee-Kwan Tang (Hong Kong)
11:45  Health technology assessment and learning curve in MIC surgery
       Janet Martin (Canada)
12:05  Discussion

14:00 - 15:30 ......................................................... N101
Complex aortic surgery and organ protection
Chair: Jin Liu (China)
Co-Chair: George Silvay (USA)
14:00  Cerebral protection strategies in aortic arch surgery
       Hilary Grocott (Canada)
14:20  Spinal cord protection in thoracoabdominal aortic aneurysm (TAAA) surgery
       Minoru Namura (Japan)
14:40  Myocardic protection in thoracoabdominal aortic aneurysm (TAAA) surgery
       Subid Das (Hong Kong)
15:00  Kidney protection in thoracoabdominal aortic aneurysm (TAAA) surgery
       Michael Sander (Germany)
15:20  Discussion

16:00 - 17:30 ......................................................... N101
Transplantation and ventricular assist device
Chair: Linda Shore-Lesserson (USA)
Co-Chair: Justiaan Swanepoel (South Africa)
16:00  Heart transplantation: perioperative management
       Annette Vegas (Canada)
16:20  Pulmonary hypertension and right heart failure management strategies in heart transplantation
       Carlos Galhardo (Brazil)
16:40  Ventricular assist devices: perioperative management
       Subid Das (Hong Kong)
17:00  Total artificial heart
       Michael Sander (Germany)
17:20  Discussion
Tuesday 30 August 2016

08:30 - 10:00
Organ protection and monitoring in cardiac surgery
Chair: Hugo Van Aken (Germany)
Co-Chair: Lize Xiong (China)

08:30  Cerebral protection and monitoring
Cindy Boom (Indonesia)

08:50  Cardiovascular protection and monitoring
Andrew Shaw (USA)

09:10  Coagulation monitoring and treatment
David Scott (Australia)

09:30  Regional anaesthesia in cardiac surgery
Hugo Van Aken (Germany)

09:50  Discussion

10:45 - 12:15
Perioperative echocardiography
Chair: Albert Perrino (USA)
Co-Chair: Navneet Mehta (India)

10:45  Right and left heart failure assessment
Albert Perrino (USA)

11:05  Mitral valvular repair or replacement surgery
Daniel Bainbridge (Canada)

11:25  Aortic valvular repair and replacement surgery
Yu Fat Chow (Hong Kong)

11:45  Tricuspid valvular repair or replacement surgery
Navneet Mehta (India)

12:05  Discussion

14:00 - 15:30
Blood and fluid management in cardiac surgery
Chair: Jae-Hyon Bahk (Republic of Korea)
Co-Chair: Yunxia Zuo (China)

14:00  Preoperative anemia: etiology and outcomes
Sangmin Lee (Republic of Korea)

14:20  Pathophysiology and management of coagulopathy in cardiac surgery
Jerrold Levy (USA)

14:40  Transfusion update: restrictive/liberal and age of blood
Andrew Klein (United Kingdom)

15:00  Transfusion guidelines
Chow Yen Yong (Malaysia)

15:20  Discussion

16:00 - 17:30
Congenital structural heart surgery
Chair: Zhiyong Hu (China)
Co-Chair: Stephane Lambert (Canada)

16:00  Paediatric structural heart surgery and anaesthesia
Justiann Swanenvelder (South Africa)

16:20  Congenital heart disease patients in the Cath Lab
Hushan Ao (China)

16:40  Anaesthetic management of congenital heart disease in parturient
Florian R. Nuevo (Philippines)

17:00  TEE in congenital heart surgery
Sattoshi Kurokawa (Japan)

17:20  Discussion

Wednesday 31 August 2016

08:30 - 10:00
Enhanced cardiac surgery recovery
Chair: Karel Cvachovec (Czech Republic)
Co-Chair: Ulku Aypar (Turkey)

08:30  Fast track and ultra-fast track recovery: East
Weipeng Wang (China)

08:50  Fast track and ultra-fast track recovery: West
Davy Cheng (Canada)

09:10  Postoperative atrial fibrillation and delium management
Joseph Mathew (USA)

09:30  Postoperative long-term complications and management
Stefan De Hert (Belgium)

09:50  Discussion

16:00 - 17:30
Education and training in cardiac anaesthesiology
Chair: Christopher Troianos (USA)
Co-Chair: Pastor Luna (Mexico)

16:00  Training, qualifications and certification: North America
Scott Reeves (USA)

16:20  Training, qualifications and certification: Europe
Fabio Guarracino (Italy)

16:40  Training, qualifications and certification: Asia-Pacific
Jin Liu (China)

17:00  Training, qualifications and certification: Southeast Asia
Yatin Mehta (India)

17:20  Discussion
### EDUCATION AND DEVELOPMENT

**Monday 29 August 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30 - 10:00</td>
<td>WFSA training programmes - successes and challenges</td>
</tr>
<tr>
<td></td>
<td>Chair: Jannicke Mellin-Olsen (Norway)</td>
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<tr>
<td></td>
<td>Co-Chair: Jayashree Sood (India)</td>
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<tr>
<td>08:30</td>
<td>Overview of training programmes</td>
</tr>
<tr>
<td>08:50</td>
<td>Intensive care medicine, India</td>
</tr>
<tr>
<td>09:10</td>
<td>Obstetric anaesthesia, Malaysia</td>
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<td>09:30</td>
<td>Paediatric anaesthesia, Kenya</td>
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<td>09:50</td>
<td>Discussion</td>
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<tr>
<td>10:45 – 12:15</td>
<td>Safe anaesthesia to everybody - today. Working with global partners</td>
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<tr>
<td></td>
<td>Chair: David Wilkinson (United Kingdom)</td>
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<tr>
<td></td>
<td>Co-Chair: Jannicke Mellin-Olsen (Norway)</td>
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<tr>
<td>10:45</td>
<td>Introduction</td>
</tr>
<tr>
<td>11:05</td>
<td>How can WHO and WFSA address the global crisis on anaesthesia and surgery?</td>
</tr>
<tr>
<td>11:25</td>
<td>G4 alliance - why should we work together to facilitate anaesthesia care systems around world?</td>
</tr>
<tr>
<td>11:45</td>
<td>WFSA and ICRC working together to assist those most in need</td>
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<tr>
<td>12:05</td>
<td>Discussion</td>
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<tr>
<td>14:00 – 15:30</td>
<td>Designing an anaesthesia residency curriculum</td>
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<tr>
<td></td>
<td>Chair: Elizabeth Ogboli-Nwasor (Nigeria)</td>
</tr>
<tr>
<td>14:00</td>
<td>Overview of global anaesthesia training</td>
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<tr>
<td>14:20</td>
<td>Designing a curriculum for Zambia</td>
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<tr>
<td>14:40</td>
<td>Anaesthesia residency training in Singapore</td>
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<tr>
<td>15:00</td>
<td>The European postgraduate curriculum - does one size fit all?</td>
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<tr>
<td>15:20</td>
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**Tuesday 30 August 2016**

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<td>08:30 - 10:00</td>
<td>WFSA training programmes - trainee perspectives</td>
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<td>Chair: Wayne Morriss (New Zealand)</td>
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<tr>
<td></td>
<td>Co-Chair: Subramani Kandasamy (India)</td>
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<tr>
<td>10:45</td>
<td>Clinical pain management, Thailand</td>
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<tr>
<td>11:05</td>
<td>Cardiac anaesthesia and intensive care medicine, Israel</td>
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<tr>
<td>11:25</td>
<td>Obstetric anaesthesia, Colombia</td>
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<tr>
<td>11:45</td>
<td>Bangkok Anaesthesia Regional Training Centre (BARTC), Thailand</td>
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<tr>
<td>12:05</td>
<td>Discussion</td>
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<tr>
<td>14:00 – 15:30</td>
<td>Simulation: Does it need to cost a lot of money?</td>
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<td>Chair: Tsun-Woon Lee (Hong Kong)</td>
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<tr>
<td></td>
<td>Co-Chair: Chris Bowden (Australia)</td>
</tr>
<tr>
<td>08:30</td>
<td>How to use what you have and get what you need</td>
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<td>08:50</td>
<td>Better and Systematic Team training (BEST) - a useful tool for team training in different settings</td>
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<tr>
<td>09:10</td>
<td>Development of a low-cost, high-fidelity simulator</td>
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<tr>
<td>09:30</td>
<td>Simulation in Primary Trauma Care (PTC) - team training with limited resources</td>
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<tr>
<td>09:50</td>
<td>Discussion</td>
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</tbody>
</table>
Wednesday 31 August 2016

08:30 - 10:00 .......................................................GRAND HALL

2015 and beyond - a new era for global anaesthesia and surgery?
Chairs: Wayne Morriss (New Zealand), Jannicke Mellin-Olsen (Norway)

08:30 The cost-effectiveness of anaesthesia and surgery worldwide
Kelly McQueen (USA)

08:50 The Lancet Commission - current knowledge and future directions
Iain Wilson (United Kingdom)

09:10 Making the World Health Assembly resolution a reality - how can the WFSA help?
Wait Johnson (USA)

09:30 Making the World Health Assembly resolution a reality - the role of the WFSA
David Wilkinson (United Kingdom)

09:45 Discussion

13:45 - 15:15 .......................................................S421

Short courses - big impact!
Chair: Angelina Gapay (Philippines)
Co-Chair: Nick Boyd (United Kingdom)

13:45 Primary Trauma Care (PTC)
Juan Carlos Duarte (Venezuela)

14:05 Safer Anaesthesia From Education (SAFE) Obstetric
Dave Snell (United Kingdom)

14:25 Essential Pain Management (EPM) - speaking a common language
Carolina Haylock Loor (Honduras)

14:45 Safer Anaesthesia From Education (SAFE) Paediatrics
Susane Nabulindo (Kenya)

15:05 Discussion

16:00 - 17:30 .......................................................S421

Skills teaching tips and tricks
Chair: Yoo-Kuen Chan (Malaysia)
Co-Chair: Tiberiu Ezri (Israel)

16:00 How to simplify teaching of blocks
Philippe Macaire (UAE)

16:20 Difficult intubation
Chris Acott (Australia)

16:40 Obstetric anaesthesia skills
Andrew Kintu (Uganda)

17:00 Regional anaesthesia
Balavenkat Subramanian (India)

17:20 Discussion
Thursday 01 September 2016

How should we train the teachers?
Chair: Miodrag Milenovic (Serbia)
Co-Chair: Dylan Bould (Canada)

08:30 - 10:00
08:30 Russia
Zulfia Zaripova (Russia)
08:45 Latin America
Pedro Ibarra (Colombia)
09:00 Africa
Dorothy Kamya (Kenya)
09:15 Asia
Agnes Ng (Singapore)
09:30 Europe
Noel Borg (Malta)
09:45 Discussion

10:45 – 12:15

Is e-learning the answer to everything?
Chair: Juan C. Duarte (Venezuela)
Co-Chair: Maytinee Lilaonitkul (United Kingdom)

10:45 Virtual learning communities - challenges and solutions
Nadia M C. Duarte (Brazil)
11:05 Blended learning for district level anaesthesia providers in Nepal
Ollie Ross (United Kingdom)
11:25 Distance education in Uganda - lessons learned and future directions
Paul Firth (USA)
11:45 What can I learn from Twitter and #SoMe?
Ron George (Canada)
12:05 Discussion

14:00 - 15:30

Global anaesthesia workforce expansion
Chair: Elizabeth Ogboli-Nwasor (Nigeria)
Co-Chair: Angela Enright (Canada)

14:00 The global anaesthesia workforce crisis - the findings of the Lancet Commission
Bisola Onajin-Obembe (Nigeria)
14:20 Mapping the gap - the WFSA manpower survey
Peter Kemphorne (New Zealand)
14:40 Task sharing in Benin
Eugene Zoumenou (Benin)
15:00 Task sharing in high-income countries
Jannicke Mellin-Olsen (Norway)
15:20 Discussion
Friday 02 September 2016

Humanitarian and disaster work - lessons learned
Chair: Eric Vreede (Timor-Leste)
Co-Chair: Angelina Gapay (Philippines)

08:30  Disaster assistance - are we getting better?
       Eddy Rahardjo (Indonesia)

08:50  Working with the World Health Organisation (WHO) to improve disaster assistance
       Ted Herbosa (Philippines)

09:10  Challenges in anaesthesia care during disasters - the Médecins Sans Frontières (MSF) experience
       Miguel Treilles (Belgium)

09:30  The critical role of anaesthesiologists during the Sichuan earthquakes
       Yunxia Zuo (China)

09:50  Discussion

When a disaster strikes...
Chair: Ollie Ross (United Kingdom)
Co-Chair: Erlinda Oracion (Philippines)

10:30  The Nepal earthquake - our experience at KMC Teaching Hospital
       Sanjay Shrestha (Nepal)

10:50  Typhoon Haiyan
       Angelina Gapay (Philippines)

11:10  Field surgery during the Christchurch earthquake
       Bryce Curran (New Zealand)

11:30  Fighting Lassa fever in Benin
       Eugene Zoumenou (Benin)

11:50  Discussion

13:00  Is all aid good aid?
Chair: Mark Newton (Kenya)
Co-Chair: Carolina Haylock Loor (Honduras)

13:00  Satisfying medical needs or promoting capabilities?
       Jan H. Solbakk (Norway)

13:20  Making both ends meet - donor and recipient perspectives
       Eddy Rahardjo (Indonesia)

13:40  What makes a good visiting surgical team?
       Eric Vreede (Timor-Leste)

14:00  Responsible credentialing of foreign medical teams
       Mark Singleton (USA)

14:20  Discussion
## INTENSIVE CARE

### Monday 29 August 2016

**People in intensive care**  
*Chair: Gordon Choi (Hong Kong)*

<table>
<thead>
<tr>
<th>Time</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Leadership</td>
<td>Jeffrey Vender (USA)</td>
</tr>
<tr>
<td>14:20</td>
<td>Conflict management</td>
<td>Hulya Turkan (Turkey)</td>
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<tr>
<td>14:40</td>
<td>Collaborative decision making and critical care</td>
<td>Mike Grocott (United Kingdom)</td>
</tr>
<tr>
<td>15:00</td>
<td>Career change</td>
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<tr>
<td>15:20</td>
<td>Discussion</td>
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**Renal intensive care**  
*Chair: Gordon Choi (Hong Kong)*

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<tbody>
<tr>
<td>16:00</td>
<td>Fluids and acute kidney injury</td>
<td>Andrew Shaw (USA)</td>
</tr>
<tr>
<td>16:25</td>
<td>Antibiotic prescribing and continuous renal replacement therapy (CRRT)</td>
<td>Gordon Choi (Hong Kong)</td>
</tr>
<tr>
<td>16:50</td>
<td>Diuretics and acute kidney injury</td>
<td>Kwok-Ming Ho (Australia)</td>
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<tr>
<td>17:15</td>
<td>Discussion</td>
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### Tuesday 30 August 2016

**Communication in the intensive care unit**  
*Chair: Gordon Choi (Hong Kong)*

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Handing over</td>
<td>Jeffrey Vender (USA)</td>
</tr>
<tr>
<td>08:55</td>
<td>What do our patients want to say?</td>
<td>Czarina Leung (Hong Kong)</td>
</tr>
<tr>
<td>09:20</td>
<td>Talking to families</td>
<td>Teik Oh (Australia)</td>
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<tr>
<td>09:45</td>
<td>Discussion</td>
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</table>

## Wednesday 31 August 2016

**Different perspectives of intensive care**  
*Chair: Charles Gomersall (Hong Kong)*

<table>
<thead>
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<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Critical care in Rwanda</td>
<td>Jesse Raiten (Rwanda)</td>
</tr>
<tr>
<td>08:55</td>
<td>Sepsis in India</td>
<td>Jigeeshu V. Divatia (India)</td>
</tr>
<tr>
<td>09:20</td>
<td>Caring for the critically ill in rural Ethiopia</td>
<td>Absemol Ekesh (Ethiopia)</td>
</tr>
<tr>
<td>09:45</td>
<td>Discussion</td>
<td></td>
</tr>
</tbody>
</table>
Thursday 01 September 2016

Surgical intensive care  
Chair: Charles Gomersall (Hong Kong)  
08:30  High risk cardiac surgical patients  
Ed Litton (Australia)  
08:55  Provision of ICU for surgical patients  
Rupert Pearse (United Kingdom)  
09:20  Faster weaning cardiac  
Wai T. Wong (Hong Kong)  
09:45  Discussion  

Disasters and intensive care medicine  
Chair: Charles Gomersall (Hong Kong)  
10:45  Hospital drills: the most effective way of preparing for a disaster  
Hulya Turkan (Turkey)  
11:10  Nepal earthquake  
Shyam Maharjan (Nepal)  
11:25  Triage in a disaster  
Charles Gomersall (Hong Kong)  
12:00  Discussion  

Monitoring & physiology in intensive care  
Chair: Charles Gomersall (Hong Kong)  
14:00  When should we give fluid?  
Sheila Myatra (India)  
14:25  Personalised blood pressure targets in ICU  
Frank van Haren (Australia)  
14:50  Xtreme Everest: altitude physiology informing critical care?  
Mike Grocott (United Kingdom)  
15:15  Discussion  

Sepsis  
Chair: Charles Gomersall (Hong Kong)  
16:00  Still a place for early goal directed therapy  
Jean-Louis Vincent (Belgium)  
16:25  Time to abandon early goal directed therapy  
Steve Webb (Australia)  
16:50  Blood lactate levels  
Jean-Louis Vincent (Belgium)  
17:15  Discussion  

Friday 02 September 2016

Acute respiratory distress syndrome (ARDS)  
Chair: Charles Gomersall (Hong Kong)  
08:30  How to approach ARDS  
Younsuck Koh (Republic of Korea)  
08:50  Should we be using beta agonists?  
Fang Gao Smith (United Kingdom)  
09:10  How to set PEEP  
Daniel Talmor (USA)  
09:30  Lung SAFE  
Frank van Haren (Australia)  
09:50  Discussion  

Respiratory support and physiology  
Chair: Charles Gomersall (Hong Kong)  
10:30  Pulmonary mechanics at the bedside  
Daniel Talmor (USA)  
10:55  Recruitment  
Yehia Khater (Egypt)  
11:20  High flow oxygen therapy  
Ross Freebairn (New Zealand)  
11:45  Discussion  

End of life care  
Chair: Charles Gomersall (Hong Kong)  
13:00  End of life decisions: a worldwide perspective  
Jean-Louis Vincent (Belgium)  
13:25  How different is end of life care in Asia?  
Younsuck Koh (Republic of Korea)  
13:50  End of life care in an oncology ICU  
Jigeeshu V. Divatia (India)
## PROGRAMME

### NEUROSCIENCE

**Monday 29 August 2016**

**08:30 - 10:00**  
**CONVENTION HALL C**

**Minimally invasive spine surgery**  
**Chair:** Kate Leslie (Australia)

- **08:30**  
  Major spine surgery - why and how?  
  Andrew Morokoff (Australia)

- **08:55**  
  Anaesthesia and pain management for major spinal surgery  
  Kate Leslie (Australia)

- **09:20**  
  Neuromonitoring during major spinal surgery  
  Jeremy Lieberman (USA)

- **09:45**  
  Discussion

**08:30 - 10:00**  
**CONVENTION HALL B**

**Postoperative delirium and postoperative cognitive dysfunction (POCD)**  
**Chair:** Zhongcong Xie (USA)

- **08:30**  
  Nomenclature for POCD  
  Lis Evered (Australia)

- **08:50**  
  Mechanistic studies of postoperative delirium and POCD  
  Zhongcong Xie (USA)

- **09:10**  
  Preservation of the energy level by b-hydroxybutyrate improves postoperative cognitive decline  
  Wen Ouyang (China)

- **09:30**  
  Postoperative delirium and POCD: mechanism and intervention  
  Daqing Ma (United Kingdom)

- **09:50**  
  Discussion

**10:45 - 12:15**  
**CONVENTION HALL B**

**Anaesthetic effect on the brain: Electroencephalography (EEG), consciousness, delirium, cognitive dysfunction**  
**Chair:** Kristin Engelhard (Germany)

- **10:45**  
  Anesthetic effects on CBF, CMR, and ICP  
  Deepak Sharma (USA)

- **11:10**  
  Functional connectivity and information transfer during anaesthesia and in coma  
  Eberhard Kochs (Germany)

- **11:35**  
  Role of anaesthetic agents on perioperative cognitive disorders  
  Lis Evered (Australia)

- **12:00**  
  Discussion

**14:00 - 15:30**  
**CONVENTION HALL B**

**Neuromonitoring - How I do it?**  
**Chair:** Antoun Koht (USA)

- **14:00**  
  Anaesthesia during neurophysiological monitoring  
  Antoun Koht (USA)

- **14:25**  
  Controversies with the use of muscle relaxants during motor evoked potentials and EMG  
  Masahiko Kawaguchi (Japan)

- **14:50**  
  Monitoring during carotid endarterectomy  
  Jee Jian See (Singapore)

- **15:15**  
  Discussion

**16:00 - 17:30**  
**CONVENTION HALL B**

**Training in neuroanaesthesia (global perspectives)**  
**Chair:** Masahiko Kawaguchi (Japan)

- **16:00**  
  Introduction  
  Deepak Sharma (USA)

- **16:15**  
  North American perspectives  
  Pirjo Manninen (Canada)

- **16:30**  
  Indian/Asian perspectives  
  Hari Dash (India)

- **16:45**  
  European perspectives  
  Christian Werner (Germany)

- **17:00**  
  Paediatric neuroanaesthesia perspectives  
  Sol Soriano (USA)

- **17:15**  
  Discussion

**Tuesday 30 August 2016**

**10:45 - 12:15**  
**THEATRE 2**

**Awake craniotomy: for seizure surgery, for tumor surgery**  
**Chair:** Hari Dash (India)

- **10:45**  
  History and indications for awake craniotomy  
  Adrian Gelb (USA)

- **11:00**  
  Anesthetic technique: scalp block, airway management and monitoring  
  Ari J. Katila (Finland)

- **11:15**  
  Neuropsychological/functional and cortical mapping during awake craniotomy  
  Pirjo Manninen (Canada)

- **11:30**  
  Paediatric awake craniotomy  
  Girija Prasad Rath (India)

- **11:45**  
  Discussion
PROGRAMME

14:00 - 15:30 ........................................ THEATRE 1

Anaesthesia for craniotomy: What works and what doesn’t? Pro-Con debate 1
Chair: Piyush Patel (USA)

14:00 Debate: TIVA is better than volatile
Pro: Pedro Amorim (Portugal)
Con: Anthony Absalom (Netherlands)

14:45 Debate: Failure to extubate is a failure in anaesthesia
Pro: Kenji Yoshitani (Japan)
Con: Kristin Engelhard (Germany)

16:00 - 17:30 ........................................ THEATRE 1

Anaesthesia for craniotomy: What works and what doesn’t? Pro-Con debate 2
Chair: Cor Kalkman (Netherlands)

16:00 Debate: A central line is completely unnecessary for a routine craniotomy
Pro: Carolina Haylock Loor (Honduras)
Con: Chanhung Lee (USA)

16:45 Debate: Hypertonic saline is better than mannitol - PRO
Pro: Zhiyi Zuo (USA)
Con: Marek Mirski (USA)

16:00 - 17:30 ........................................ N102

Standardized Endpoints for Perioperative Medicine (StEP) and Core Outcomes Measures in Perioperative and Anaesthetic Care (COMPAC)

16:00 Standardized endpoints - solution to barriers in research
Paul Myles (Australia)
Mike Grocott (United Kingdom)

16:25 Patient involvement in formulating standardized endpoints
Ramani Moonesinghe (United Kingdom)
Mike Grocott (United Kingdom)

16:50 Group presentations

16:15 Q&A

Wednesday 31 August 2016

08:30 - 10:00 ........................................ CONVENTION HALL B

Traumatic brain injury management in 2016 and beyond
Chair: Martin Smith (United Kingdom)

08:30 Intracranial pressure monitoring: standard of care or optional extra?
Andrew Katke (USA)

08:55 A failure in translation: update on recent clinical trials of neuroprotective strategies
Thomas Lew (Singapore)

09:20 Cardiorespiratory complications: management and outcome effects
Martin Smith (United Kingdom)

09:45 Discussion

13:45 - 15:15 ........................................ CONVENTION HALL B

Perioperative stroke
Chair: Deepak Sharma (USA)

13:45 Perioperative stroke - more common than you think
Ruquan Han (China)

14:10 Hemorrhagic stroke - implications to the anaesthesiologists
Andrew Katke (USA)

14:35 Stroke after cardiac surgery
Chin T. Chong (Singapore)

15:00 Discussion

16:00 - 17:30 ........................................ CONVENTION HALL B

Endovascular treatment for stroke: the role of the anaesthesiologist
Chair: Matthew Chan (Hong Kong)

16:00 What is new in endovascular treatment for acute stroke?
Simon Yu (Hong Kong)

16:25 Optimal anaesthetic treatment: SNACC consensus statement
Pekka Talke (USA)

16:50 General anaesthesia vs sedation for endovascular treatment
Mads Rasmussen (Denmark)

17:15 Discussion
PROGRAMME

OBSTETRIC

Monday 29 August 2016

08:30 - 10:00 ....................................................... THEATRE 1

Controversies in labour analgesia
Chair: Warwick Ngan Kee (Hong Kong)
Co-Chair: Concepcion Cruz (Philippines)

08:30 Does neuraxial analgesia affect the progress and outcome of labour?
Cynthia Wong (USA)

08:55 Remifentanil labour analgesia: pros and cons
Marc Van de Velde (Belgium)

09:20 Epidural analgesia and fever: cause, implications and management
Scott Segal (USA)

09:45 Discussion

10:45 - 12:15 ....................................................... THEATRE 1

Obstetric emergencies
Chair: Cynthia Wong (USA)

10:45 Amniotic fluid embolism: an update
Nolan McDonnell (Australia)

11:10 Advances in management of obstetric haemorrhage
Katsuo Terui (Japan)

11:35 Improving communication during critical events
David Birnbach (USA)

12:00 Discussion

14:00 - 15:30 ....................................................... THEATRE 1

Global challenges in obstetric anaesthesia
Chair: Paul Howell (United Kingdom)

14:00 Challenges for obstetric anaesthesia in the developing world
Sunanda Gupta (India)

14:25 The safer anaesthesia from education (SAFE) anaesthesia course
Joseph Kiwanuka (Uganda)

14:50 Management strategies using low fidelity simulation to reduce maternal mortality
Mauricio Vasco (Colombia)

15:15 Discussion

16:00 - 17:30 ....................................................... THEATRE 1

Emerging technologies in obstetric anaesthesia
Chair: Yoo-Kuen Chan (Malaysia)

16:00 Use of ultrasound for neuraxial block: clever toy or essential tool?
Jose Carvalho (Canada)

16:25 Use of cell salvage in obstetric haemorrhage: safety and efficacy
Kim Khaw (Hong Kong)

16:50 Computer integration in obstetric anaesthesia: the future?
Alex Sia (Singapore)

17:15 Discussion

Tuesday 30 August 2016

08:30 - 10:00 ....................................................... CONVENTION HALL B

Controversies in anaesthesia for Caesarean section
Chair: Kim Khaw (Hong Kong)

08:30 Awareness in obstetric anaesthesia
Nuala Lucas (United Kingdom)

08:55 Advances and controversies in post-caesarean section analgesia
Monica Siaulys (Brazil)

09:20 Current recommendations for difficult and failed intubation in obstetrics
Roshan Fernando (United Kingdom)

09:45 Discussion

10:45 - 12:15 ....................................................... CONVENTION HALL B

Managing the parturient with….
Chair: Rob Dyer (South Africa)

10:45 Cardiac disease
Yoo-Kuen Chan (Malaysia)

11:10 Obesity
Ashraf Habib (USA)

11:35 Spinal hypotension
Warwick Ngan Kee (Hong Kong)

12:00 Discussion

14:00 - 15:30 ....................................................... CONVENTION HALL B

The critically ill parturient
Chair: Mauricio Vasco (Colombia)

14:00 Anaesthetic management of the patient with preclampsia/eclampsia
Rob Dyer (South Africa)

14:25 Resuscitation of the obstetric patient
Grace Herbosa (Philippines)

14:50 Trauma and the parturient
Carolyn Weiniger (Israel)

15:15 Discussion
PAEDIATRIC
Wednesday 31 August 2016

08:30 - 10:00 ................................................... THEATRE 1

Who is looking after children?
Chair: Rob McDougall (Australia)

08:30  What is a paediatric anaesthetist?
Josephine Tan (Singapore)

08:50  Who should look after children?
Laszlo Vutskits (Switzerland)

09:10  Integrating paediatric patients into an adult hospital
Sajan George (India)

09:30  Looking after children in French speaking sub-Saharan Africa
Eugene Zoumenou (Benin)

09:50  Discussion

13:45 - 15:15 ................................................... THEATRE 1

Building bridges in paediatric anaesthesia
Chair: Dusica Simic (Serbia)

13:45  Fostering research in low and middle income countries
Fauzia Khan (Pakistan)

14:05  East Africa training program
Mark Gacii (Kenya)

14:25  Safer anaesthesia from education (SAFE) Paeds
Isabeau Walker (United Kingdom)

14:45  From USA to Africa
Mark Newton (Kenya)

15:05  Discussion

16:00 - 17:30 ................................................. THEATRE 1

Lessons from research in paediatric anaesthesia
Chair: Pierre Fiset (Canada)

16:00  What is hot in research
Andrew Davidson (Australia)

16:20  Dosing in the obese child
Brian Anderson (New Zealand)

16:40  Lessons from metanalyses in paediatrics
Souhayl Dahmani (France)

17:00  Evidence based fasting
Mark Thomas (United Kingdom)

17:20  Discussion

16:00 - 17:30 ................................................... CONVENTION HALL A

Paediatric cardiac anaesthesia
Chair: Arul D. Sudhaman (Hong Kong)

16:00  The evolving role of the paediatric cardiac anaesthesiologist
Annette Schure (Germany)

16:20  Update in paediatric cardiac anaesthesia
Ellen Rawlinson (United Kingdom)

16:40  Anaesthesia for paediatric cardiac surgery in China
Jun Zeng (China)

17:00  Dogma vs Science in paediatric cardiac anaesthesia
Brian Anderson (New Zealand)

17:20  Discussion

Thursday 01 September 2016

10:45 - 12:15 ................................................... THEATRE 1

Neurodevelopmental outcomes
Chair: Andrew Davidson (Australia)

10:45  Primate studies - latest evidence
Ping Zhao (China)

11:05  Latest outcome studies
Anthony Absalom (Netherlands)

11:25  What to tell parents?
Laszlo Vutskits (Switzerland)

11:45  The PANDA study: what do the results tell us?
Lena Sun (USA)

12:05  Discussion

14:00 - 15:30 ................................................... THEATRE 1

Current controversies
Chair: Theresa Hui (Hong Kong)

14:00  Spinal anaesthesia
Oliver Bagshaw (United Kingdom)

14:20  What about blood pressure?
Justin Skowno (Australia)

14:40  Perioperative fluid management
Robert Sumpelmann (Germany)

15:00  Emergence delirium
Norifumi Kuratani (Japan)

15:20  Discussion
# Quality in paediatric anaesthesia

**Chair:** Randall Flick (USA)

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Country</th>
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<tbody>
<tr>
<td>16:00</td>
<td>How to build a quality program</td>
<td>Dean Kurth</td>
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<td>Dean Kurth (USA)</td>
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<td>16:20</td>
<td>The APRICOT study</td>
<td>Walid Habre</td>
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<td>Walid Habre (Switzerland)</td>
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<td>16:40</td>
<td>Efficiency in a paediatric environment</td>
<td>Yunxia Zuo</td>
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<td>Yunxia Zuo (China)</td>
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<td>17:00</td>
<td>Providing safe sedation</td>
<td>Keira Mason</td>
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<td>Keira Mason (USA)</td>
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Friday 02 September 2016

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<th>Speaker</th>
<th>Country</th>
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<tr>
<td>08:30</td>
<td>Airway</td>
<td>Pierre Fiset</td>
<td>Canada</td>
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<tr>
<td></td>
<td>Difficult airway</td>
<td>Pierre Fiset</td>
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<td>08:50</td>
<td>Obstructive sleep apnea</td>
<td>Jerry Lerman</td>
<td>USA</td>
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<td>Safe ventilation of neonates</td>
<td>Walid Habre</td>
<td>Switzerland</td>
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<td>09:10</td>
<td>Child and upper respiratory tract infection</td>
<td>Britta von Ungern-Sternberg</td>
<td>Australia</td>
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<td>(URTI)</td>
<td>Britta von Ungern-Sternberg</td>
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<td>09:30</td>
<td>Tips for safe anaesthesia in a neonate</td>
<td>Mary-Ellen McCann</td>
<td>USA</td>
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<td>Tips for safe anaesthesia in a neonate</td>
<td>Mary-Ellen McCann</td>
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<td>10:30</td>
<td>Challenges in specialist paediatric anaesthesia</td>
<td>George Chalkiadis</td>
<td>Australia</td>
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<td>Analgesia for day case paediatrics</td>
<td>George Chalkiadis</td>
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<td>10:50</td>
<td>Update in anaesthesia for scoliosis surgery</td>
<td>Marina George</td>
<td>United Kingdom</td>
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<td>Update in anaesthesia for scoliosis surgery</td>
<td>Marina George</td>
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<td>11:10</td>
<td>Prevention of the development of chronic pain</td>
<td>Pablo Ingelmo</td>
<td>Canada</td>
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<td>after surgery</td>
<td>Pablo Ingelmo</td>
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<td>11:30</td>
<td>Electronic medical records in paediatric</td>
<td>David Polaner</td>
<td>USA</td>
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<td>anaesthesiology</td>
<td>David Polaner</td>
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<td>11:50</td>
<td>Discussion</td>
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## Practical paediatrics

**Chair:** Mark Newton (Kenya)

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<tr>
<td>10:30</td>
<td>Tips for safe anaesthesia in a neonate</td>
<td>Mary-Ellen McCann</td>
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<td>Tips for safe anaesthesia in a neonate</td>
<td>Mary-Ellen McCann</td>
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<td>10:50</td>
<td>Neuromuscular block in children</td>
<td>Paolo Pinzon</td>
<td>Colombia</td>
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<td>Neuromuscular block in children</td>
<td>Paolo Pinzon</td>
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<td>11:10</td>
<td>Anaesthesia for muscle disorders</td>
<td>Rebecca Gray</td>
<td>South Africa</td>
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<td>Anaesthesia for muscle disorders</td>
<td>Rebecca Gray</td>
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<td>11:30</td>
<td>A practical guide to total intravenous</td>
<td>Oliver Bagshaw</td>
<td>United Kingdom</td>
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<td>anaesthesia (TIVA)</td>
<td>Oliver Bagshaw</td>
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## Regional/Pain

**Chair:** Yunxia Zuo (China)

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<tr>
<td>13:00</td>
<td>Are epidurals safe?</td>
<td>Adrian Bosenberg</td>
<td>USA</td>
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<td>Are epidurals safe?</td>
<td>Adrian Bosenberg</td>
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<td>13:20</td>
<td>Do you need to add anything to the local?</td>
<td>Per-Arne Lönnqvist</td>
<td>Sweden</td>
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<td>Do you need to add anything to the local?</td>
<td>Per-Arne Lönnqvist</td>
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<td>13:40</td>
<td>New local anaesthetics in paediatrics</td>
<td>Giorgio Ivani</td>
<td>Italy</td>
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<td>New local anaesthetics in paediatrics</td>
<td>Giorgio Ivani</td>
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<td>14:00</td>
<td>Post operative analgesia in less affluent areas</td>
<td>Fauzia Khan</td>
<td>Pakistan</td>
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<td>Fauzia Khan</td>
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## Keeping children safe

**Chair:** Paolo Pinzon (Colombia)

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<tr>
<td>13:00</td>
<td>Managing the ex-prem neonate</td>
<td>Mary-Ellen McCann</td>
<td>USA</td>
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<td>Managing the ex-prem neonate</td>
<td>Mary-Ellen McCann</td>
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<tr>
<td>13:20</td>
<td>Family centered care</td>
<td>Catherine Crock</td>
<td>Australia</td>
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<td>Family centered care</td>
<td>Catherine Crock</td>
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<tr>
<td>13:40</td>
<td>Update in continuous cardiac output monitors</td>
<td>Charles Coté</td>
<td>USA</td>
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<td>Update in continuous cardiac output monitors</td>
<td>Charles Coté</td>
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<tr>
<td>14:00</td>
<td>Keeping the paediatric brain perfused</td>
<td>Laszlo Vutskits</td>
<td>Switzerland</td>
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<td>Keeping the paediatric brain perfused</td>
<td>Laszlo Vutskits</td>
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<td>Discussion</td>
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PAIN
Monday 29 August 2016

08:30 - 10:00

Acute pain pharmacology
Chair: Roger Goucke (Australia)
Co-Chair: Milton Raff (South Africa)

08:30 Gabapentinoids
Milton Raff (South Africa)

08:55 Ketamine
Phil Peyton (Australia)

09:20 Dexmedetomidine
Chi Wai Cheung (Hong Kong)

09:45 Discussion

10:45 - 12:15

Assessment
Chair: Mary Cardosa (Malaysia)

10:45 Functional pain scale
David Scott (Australia)

11:10 Opioid induced ventilatory impairment
Pam Macintyre (Australia)

11:35 Pain as the 5th vital sign
Ramani Vijayan (Malaysia)

12:00 Discussion

14:00 - 15:30

Acute pain management
Chair: Mohamed A. Elraouf (Egypt)

14:00 Epidurals the pain clinic to the OT
Mohamed A. Elraouf (Egypt)

14:25 Persistent postsurgical pain
Patricia Lavand’Homme (Belgium)

14:50 Ultrasound guided nerve blocks for acute pain
Vincent Chan (Canada)

15:15 Discussion

16:00 - 17:30

Best practice in acute pain management
Chair: Stephan Schug (Australia)

16:00 Procedure specific pain management
Stephan Schug (Australia)

16:25 Acute pain management
Wei Mei (China)

16:50 Discharge/step-down analgesia
Pam Macintyre (Australia)

17:15 Discussion

Tuesday 30 August 2016

08:30 - 10:00

Acute medical pain
Chair: Pam Macintyre (Australia)
Co-Chair: Pavel Secvik (Czech Republic)

08:30 Burns pain
Ammar Salti (UAE)

08:55 Acute sickle cell crises
Dave Otieno (Kenya)

09:20 Zoster associated pain
Stephan Schug (Australia)

09:45 Discussion

10:45 - 12:15

Pain services
Chair: Roger Goucke (Australia)

10:45 Challenges in setting up a pain service
Husni Tanra (Indonesia)

11:10 Pain education
Roger Goucke (Australia)

11:35 Resources information
Tsun-Woon Lee (Hong Kong)

12:00 Discussion

16:00 - 17:30

Pain management in special groups
Chair: Ramani Vijayan (Malaysia)
Co-Chair: Sumino Hoka (Japan)

16:00 Children
George Chalkiadis (Australia)

16:25 Prevalence of chronic pain in LMIC
Tracy Jackson (USA)

16:50 Obstetrics
Charles Imarengiaye (Nigeria)

17:15 Discussion
## Chronic pain management

*Chair:* Chi Wai Cheung (Hong Kong)
*Co-Chair:* Wichai Ittichaikulthol (Thailand)

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:30</td>
<td>A psychiatrist's perspective on persistent pain</td>
<td>Slav Kostov (Australia)</td>
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<td>08:55</td>
<td>Pharmacogenomics</td>
<td>Hulya Turkan (Turkey)</td>
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<td>09:20</td>
<td>Pain management programs</td>
<td>Mary Cardosa (Malaysia)</td>
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<td>09:45</td>
<td>Discussion</td>
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## Interventional pain management

*Chair:* Jhi-Joung Wang (Taiwan)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>13:45</td>
<td>Cancer pain</td>
<td>Patrick C.-P. Lin (Taiwan)</td>
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<tr>
<td>14:10</td>
<td>Nociceptive/neuropathic clinical issues</td>
<td>Muralidhar Joshi (India)</td>
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<td>14:35</td>
<td>What and where is the evidence</td>
<td>Chris Gilligan (Singapore)</td>
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<td>15:00</td>
<td>Discussion</td>
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## Cancer pain

*Chair:* Kok-Yuen Ho (Singapore)
*Co-Chair:* Kameswara Rao (India)

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<th>Time</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Challenges of cancer pain in India</td>
<td>Sushma Bhattacharya (India)</td>
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<tr>
<td>16:25</td>
<td>Cancer Pain Management in Asia - a survey</td>
<td>Koh-Yuen Ho (Singapore)</td>
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<td>16:50</td>
<td>Cancer pain with no opioids</td>
<td>Carolina Haylock Loor (Honduras)</td>
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## Traditional medicine in pain management

*Chair:* Phoon-Ping Chen (Hong Kong)

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<tbody>
<tr>
<td>08:30</td>
<td>Acupuncture for postoperative pain and recovery</td>
<td>Lize Xiong (China)</td>
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<tr>
<td>08:55</td>
<td>The application of Qigong in chronic musculoskeletal pain</td>
<td>Chi-Tim Hung (Hong Kong)</td>
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<tr>
<td>09:20</td>
<td>Different level response of the nervous system to acupuncture stimulation and its clinical significance in the management of pain disorders</td>
<td>Zhang-Jin Zhang (Hong Kong)</td>
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<td>09:45</td>
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## Essential Pain Management Symposium

*Facilitators:* Roger Goucke (Australia), Wayne Morriss (New Zealand)

Essential Pain Management (EPM) is an interactive one-day workshop that teaches participants to Recognise, Assess and Treat (RAT) pain. Since 2010, the programme has been translated into seven languages and run in approximately 50 countries around the world.

The EPM program also includes an instructor workshop and emphasises early handover to local instructors. This symposium will give an update on EPM and provide an opportunity to brainstorm issues related to EPM teaching. We will also be launching revised teaching materials and new educational videos.

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<tr>
<td>08:30</td>
<td>The first five years</td>
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<td>09:00</td>
<td>Launch of new EPM material and the video screening</td>
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<tr>
<td>09:30</td>
<td>The next five years</td>
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</table>
PERIOPERATIVE MEDICINE

**Monday 29 August 2016**

08:30 - 10:00 ........................................................GRAND HALL

**Enhanced recovery after surgery (ERAS)**
Chair: Monty Mythen (United Kingdom)

08:30  Surgical perspectives of ERAS
Olle Ljungqvist (Sweden)

08:55  Clinical importance of the intestinal microcirculation
Vladimir Cerny (Czech Republic)

09:20  Optimizing perioperative care
Mike Grocott (United Kingdom)

09:45  Discussion

10:45 - 12:15 ........................................................GRAND HALL

**Value based anaesthesia care**
Chair: Sophia Ang (Singapore)

10:45  Quality and cost containment
Lee Fleisher (USA)

11:05  What can we learn from cost variation?
Monty Mythen (United Kingdom)

11:25  PONV: can more expensive drugs save money?
TJ Gan (USA)

11:45  Economic considerations of preoperative assessment and intervention
Chris Snowden (United Kingdom)

12:05  Discussion

14:00 - 15:30 ........................................................GRAND HALL

**Perioperative fluids and transfusion**
Chair: Paul Myles (Australia)

14:00  Understanding hyperchloraemic acidosis
David Story (Australia)

14:20  When does coagulopathy need to be treated?
Kerry Gunn (New Zealand)

14:40  Anaemia and transfusion
Scott Beattie (Canada)

15:00  Acute kidney injury and biomarkers
David McIlroy (Australia)

15:20  Discussion

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**Tuesday 30 August 2016**

08:30 - 10:00 ........................................................GRAND HALL

**Preoperative evaluation 1**
Chair: Mike Grocott (United Kingdom)

08:30  Preoperative risk prediction
Raman Moonesinghe (United Kingdom)

08:50  AAA repair: the wrong operation on the wrong patients at the wrong time
John Carlisle (United Kingdom)

09:10  Preoperative evaluation for adult noncardiac surgery
Stefan De Hert (Belgium)

09:30  The high-risk respiratory patient: clinical, pulmonary function and blood gas assessments
David Story (Australia)

09:50  Discussion

10:45 - 12:15 ........................................................GRAND HALL

**Preoperative evaluation 2**
Chair: Ruth Landau (USA)

10:45  Antiplatelet drugs and stents
Wanda Popescu (USA)

11:05  Cardiopulmonary exercise testing (CPET) to guide perioperative care
Mike Grocott (United Kingdom)

11:25  Alternatives to cardiopulmonary exercise testing (CPET)
Duminda Wijeysundera (Canada)

11:45  Current role of biomarkers
Bruce Biccard (South Africa)

12:05  Discussion

14:00 - 15:30 ........................................................GRAND HALL

**Perioperative optimisation 1**
Chair: Lee Fleisher (USA)

14:00  Why preoperative weight loss can improve surgical outcome
Tomasz Gaszynski (Poland)

14:20  Evolving perioperative risks and safer systems
Sophia Ang (Singapore)

14:40  Smoking and surgery
Yu Shi (USA)

15:00  Perioperative medications: stop or not?
Duminda Wijeysundera (Canada)

15:20  Discussion
GERIATRIC PERIOPERATIVE CARE

16:00 - 17:30 GRAND HALL

**Geriatric perioperative care**
*Chair: Wanda Popescu (USA)*

16:00 Frailty and perioperative risk  
Stacie Deiner (USA)

16:20 Achieving value of perioperative care in the elderly  
Lee Fleisher (USA)

16:40 Failure to rescue  
Stefan De Hert (Belgium)

17:00 Implications of hypotension  
Kate Leslie (Australia)

17:20 Discussion

WEDNESDAY 31 AUGUST 2016

08:30 - 10:00 N101

**Postoperative surveillance: failure to rescue**
*Chair: Guy Haller (Switzerland)*

08:30 Interpreting brain natriuretic peptide (BNP) levels  
Bruce Biccard (South Africa)

08:50 Prevention of perioperative acute kidney injury  
Barbara Philips (United Kingdom)

09:10 Elevated troponins  
Scott Beattie (Canada)

09:30 What do EUSOS and ISOS tell us?  
Rupert Pearse (United Kingdom)

09:50 Discussion

13:45 - 15:15 N101

**Patient centred outcome assessment**
*Chair: Duminda Wijeysundera (Canada)*

13:45 Quality of recovery  
Paul Myles (Australia)

14:05 Measuring postoperative disability  
Mark Shulman (Australia)

14:25 Critical illness and drug pharmacology  
Barbara Philips (United Kingdom)

14:45 Postoperative outcome measurement  
Ramani Moonesinghe (United Kingdom)

15:05 Discussion

16:00 - 17:30 N101

**Perioperative optimisation 2**
*Chair: Scott Beattie (Canada)*

16:00 Pre-habilitation, exercise therapy and CPET  
Mike Grocott (United Kingdom)

16:20 Haemodynamic optimisation  
Rupert Pearse (United Kingdom)

16:40 Perioperative glucose management  
David Story (Australia)

17:00 A clinical pathway in a postanaesthesia care unit  
Guy Haller (Switzerland)

17:20 Discussion

FRIDAY 02 SEPTEMBER 2016

08:30 - 10:00 N101

**Perioperative personalised medicine**
*Chair: Bruce Biccard (South Africa)*

08:30 What is personalised medicine  
Andrew Shaw (USA)

08:50 How men and women differ  
Alejandra Recart (Chile)

09:10 The relevance of genomics in modern anaesthesia  
Ruth Landau (USA)

09:30 Genetic variability of pain perception and treatment  
Jorn Loetsch (Germany)

09:50 Discussion

10:30 - 12:00 N101

**Training in perioperative medicine**
*Chair: Rupert Pearse (United Kingdom)*

10:30 Postgraduate master degree: Australia  
Joel Symons (Australia)

10:55 Postgraduate master degree: UK  
David Walker (United Kingdom)

11:20 Interactive audit system for ERAS for ensuring compliance  
Monty Mythen (United Kingdom)

11:45 Discussion

13:00 - 14:30 N101

**Postoperative pulmonary complications**
*Chair: Mike Irwin (Hong Kong)*

13:00 Postoperative pulmonary complications  
Rupert Pearse (United Kingdom)

13:20 Alveolar recruitment for anaesthetists  
Gerardo Tusman (Argentina)

13:40 Hyperoxia/permissive hypoxaemia  
Mike Grocott (United Kingdom)

14:00 Innovative insufflation for laparoscopic surgery  
Pierre Diemunsch (France)

14:20 Discussion
PHARMACOLOGY

Monday 29 August 2016

10:45 - 12:15 ............................................... CONVENTION HALL C

Controversial issues in clinical neuromuscular pharmacology
Chair: Mohamed Abdulatif (Egypt)

10:45 Laparoscopic surgery and muscle relaxants: Is deep block helpful?
Mohamed Abdulatif (Egypt)

11:10 The myth of rescue reversal in “Can’t intubate, can’t ventilate” scenarios
Ken Johnson (USA)

11:35 Do we really need sugammadex in our practice?
Harald Sparr (Austria)

12:00 Discussion

14:00 - 15:30 ............................................... CONVENTION HALL C

Postoperative neuroinflammation and brain dysfunction
Chair: Lars Eriksson (Sweden)

14:00 The human brain after surgery - cognitive dysfunction and longterm clinical outcomes
Lars Rasmussen (Denmark)

14:25 How can we identify at-risk patients using relevant preoperative testing and biomarkers
Claudia Spies (Germany)

14:50 Surgery and postoperative neuroinflammation - translating mechanisms and prevention into clinical medicine
Lars Eriksson (Sweden)

15:15 Discussion

16:00 - 17:30 ............................................... CONVENTION HALL C

Old anesthetics, new effect on cancer spread?
Chair: Beatrice Beck-Schimmer (Switzerland)

16:00 Cancer and inflammation: role of anaesthesia drugs
Tobias Piegeler (Switzerland), Beatrice Beck-Schimmer (Switzerland)

16:25 Clinical and experimental evidence of the effect of opioids on cancer cell spread
Antje Gottschalk (Germany)

16:50 Opioid receptor modulation in cancer
Jonathan Moss (USA)

17:15 Discussion

Tuesday 30 August 2016

08:30 - 10:00 ............................................... CONVENTION HALL C

Basic pharmacokinetics and dynamics
Chair: Talmage Egan (USA)

08:30 An overview of PK/PD models
Talmage Egan (USA)

08:55 The effect site concept
Thomas Schnider (Switzerland)

09:20 Models for fluid kinetics
Christer Svensen (Sweden)

09:45 Discussion

10:45 - 12:15 ............................................... CONVENTION HALL C

PKPD modeling
Chair: Frederique Servin (France)

10:45 Allometry in PK modeling: how does it improve the models?
Igancio Cortinez (Chile)

11:10 Predicting reactivity to adrenergic stimuli: NSRI state of the art and controversies
Martin Luginbühl (Switzerland)

11:35 Induction of anaesthesia. How to improve the models?
Frederique Servin (France)

12:00 Discussion

14:00 - 15:30 ............................................... CONVENTION HALL C

New drug formulations
Chair: Beatrice Beck-Schimmer (Switzerland)

14:00 Etomidate analogues
Douglas Raines (USA)

14:20 Alternative propofol formulations
Talmage Egan (USA)

14:50 Esterase metabolized drugs
Robert Sneyd (United Kingdom)

15:15 Discussion

16:00 - 17:30 ............................................... CONVENTION HALL C

Cannabis in medicine: Highlights 2016
Chair: TBC

16:00 CB1 - good evidence or just a good high?
Joseph F. Foss (USA)

16:30 CB2- attacking neuroinflammation

17:10 Discussion
PROFESSIONAL PRACTICE

Wednesday 31 August 2016

14:00 - 15:15 ........................................... CONVENTION HALL A

WFSA service awardees: reflections, anecdotes and legacies
Chair: Berend Mets (USA)

14:00 From rural America to the WFSA
John Moyers (USA)

14:25 Challenges in anaesthesia in the developing world
Thara Tritrakam (Thailand)

14:50 Restoring fashion to thrift
Roger Eltringham (United Kingdom)

Thursday 01 September 2016

08:30 - 10:00 ........................................... CONVENTION HALL C

Leadership: an international perspective
Chair: Berend Mets (USA)

08:30 Setting a vision
Florian R. Nuevo (Philippines)

08:45 Leading a change initiative
Berend Mets (USA)

09:00 Communication
Isabeau Walker (United Kingdom)

09:15 Aligning people with a vision/goal
Flavio Veintemilla (Ecuador)

09:30 Managing people
Arthus Rantloane (South Africa)

10:45 Discussion

10:45 - 12:15 ........................................... CONVENTION HALL C

Change management
Chair: Florian R. Nuevo (Philippines)

10:45 Planning for a change initiative
Dorel Sandesc (Romania)

11:05 Managing the psychology of change
Yew-Weng Chan (Singapore)

11:25 Changing practice in the ICU
Frank van Haren (Australia)

11:45 Changing practice in the OR
Mike Irwin (Hong Kong)

12:05 Discussion

14:00 - 15:30 ........................................... CONVENTION HALL C

Teamwork approaches in anaesthesia
Chair: Flavio Veintemilla (Ecuador)

14:00 Teamwork in the cardiac OR
Joyce Wahr (USA)

14:20 Teamwork in intensive care
Simon Robertson (Australia)

14:40 Teamwork in the general OR
Sriporn Pitimana-Aree (Thailand)

15:00 How do we prepare our trainees for teamwork
Sandy Garden (New Zealand)

15:20 Discussion

16:00 - 17:30 ........................................... CONVENTION HALL C

Communication: beyond spoken words
Chair: Arthus Rantloane (South Africa)

16:00 Communicating difficult situations
Alan Merry (New Zealand)

16:25 Social media - as a tool for doctor-patient communication
Pedro Ibarra (Colombia)

16:50 How to talk to the press/politicians
Mark Lema (USA)

17:15 Discussion
PROGRAMME

Friday 02 September 2016

08:30 - 10:00 .......................................................... THEATRE 2

Burnout among anaesthesiologists
Chair: Gastao Duval Neto (Brazil)
08:30 Factors leading to burnout
Pratyush Gupta (India)
08:50 Recognizing burnout
Miodrag Milenovic (Serbia)
09:10 Burnout: the Chinese perspective
Lize Xiong (China)
09:30 Preventing burnout
Roger Moore (USA)
09:50 Discussion

10:30 - 12:00 .......................................................... THEATRE 2

Anaesthesia professional potpourri
Chair: Florian R. Nuevo (Philippines)
10:30 Public relations in anaesthesia
Roger Eltringham (United Kingdom)
10:50 Professionalism - nature or nurture
Yew-Weng Chan (Singapore)
11:10 How to deal with malpractice suits
Zipporah Gathuya (Kenya)
11:30 The road less travelled - health care administration
Libby Lee (Hong Kong)
11:50 Discussion

13:00 - 14:30 .......................................................... THEATRE 2

The anaesthesia provider & patient outcome
Chair: Berend Mets (USA)
13:00 Fatigue and sleep deprivation
Sandy Garden (New Zealand)
13:20 The aging anaesthesiologists
Gastao Duval Neto (Brazil)
13:40 Anaesthesia handovers
Bill Sischek (Canada)
14:00 The informed consent
Alan Merry (New Zealand)
14:20 Discussion
REGIONAL ANAESTHESIA
Monday 29 August 2016

08:30 - 10:00

Functional anatomy and new developments in peripheral nerve blockade
Chair: Manoj Karmakar (Hong Kong)
Co-Chair: Maria F. Rojas-Gomez (Colombia)

08:30
Microanatomy of peripheral nerves and implications for peripheral nerve blockade
Xavier Sala-Blanch (Spain)

08:50
Sub-paraneural compartment - Is this the new highway for peripheral nerve blockade?
Manoj Karmakar (Hong Kong)

09:10
Strategies to prevent intraneural injection during peripheral nerve blocks
Admir Hadzic (USA)

09:30
Does ultrasound guidance prevent neurological complications after peripheral nerve blocks?
Michael Barrington (Australia)

09:50
Discussion

14:00 - 15:30

Facing the challenges of regional anaesthesia
Chair: Pankaj Kundra (India)
Co-Chair: Ezzat Azziz (Egypt)

14:00
Regional anaesthesia for the trauma patient outside the operating room. Does it affect outcomes?
Roman Zuercher (Switzerland)

14:20
Failed spinal anaesthesia: ever wondered why and what next?
Balavenkat Subramanian (India)

14:40
Intralipid therapy for LAST: mechanism, application and safety issues
Kwong-Ung Ling (Malaysia)

15:00
Regional anaesthesia for intraocular surgery. An update
Chandra Kumar (Singapore)

15:20
Discussion

16:00 - 17:30

Optimizing postoperative pain relief with peripheral nerve blocks
Chair: Clara Lobo (Portugal)
Co-Chair: Dave Otieno (Kenya)

16:00
Peripheral nerve blocs for orthopaedic limb surgery: does it make a difference?
Meg Rosenblatt (USA)

16:20
Continuous peripheral nerve blocs with indwelling catheters
Sebastian Bloc (France)

16:40
Single-injection peripheral nerve blocks with adjuvants
Paul Kessler (Germany)

17:00
Why bother using sustained-release liposomal bupivacaine?
Admir Hadzic (USA)

17:20
Discussion

Tuesday 30 August 2016

08:30 - 10:00

Reducing morbidity after regional anaesthesia
Chair: Yavuz Gurkan (Turkey)
Co-Chair: Shahridan Fathil (Singapore)

08:30
Neurological complications related to elective orthopaedic surgery: epidemiology and mechanism
Vincent Chan (Canada)

08:50
Neurological complications after regional anaesthesia: epidemiology, etiology and pathophysiology
Michael Barrington (Australia)

09:10
Strategies to prevent neurological sequelae related to regional anaesthesia
Peter Marhofer (Austria)

09:30
Neurological evaluation and management of neurological sequelae after regional anaesthesia
Francois Retief (South Africa)

09:50
Discussion
Wednesday 31 August 2016

10:45 - 12:15
Regional anaesthesia and long-term outcomes after major surgery

**Chair:** Suwimon Tangwiwat (Thailand)
**Co-Chair:** Penafriencia C. Cano (Philippines)

10:45
Chronic post-surgical pain - the silent pandemic. Epidemiology and mechanism
Pankaj Kundra (India)

11:10
Does regional anaesthesia affect functional outcomes after major surgery?
Vincent Chan (Canada)

11:35
Does regional anaesthesia affect cancer recurrence and/or survival after cancer surgery?
Ban Tsui (Canada)

12:00
Discussion

14:00 - 15:30
Technical advances - video demonstration session

**Chair:** Manoj Karmakar (Hong Kong)

14:00
Interscalene brachial plexus block
Olivier Choquet (France)

14:07
Lateral sagittal infraclavicular brachial plexus block
Yavuz Gurkan (Turkey)

14:14
Axillary brachial plexus block
Poupak Rahimzadeh (Iran)

14:21
Continuous catheter technique - pearls for securing peripheral nerve catheters
Meg Rosenblatt (USA)

14:28
Femoral and lateral femoral cutaneous nerve block
Ammar Salti (UAE)

14:35
Ankle block - saphenous, tibial, superficial peroneal, deep peroneal and sural nerve
Alain Delbos (France)

14:42
Ultrasound guided lumbar plexus block with the transverse articular process window
Manoj Karmakar (Hong Kong)

14:49
Continuous catheter technique - Sciatic nerve catheter for ankle surgery
Ali Shariat (USA)

14:56
Transverse abdominis plane and ilioinguinal iliohypogastric nerve block
John McDonnell (Ireland)

15:04
Ultrasound for central neuraxial blocks in the morbidly obese
Kishor Gandhi (USA)

15:11
Ultrasound for central neuraxial blocks - lumbar and thoracic epidural injection
Luc Sermeus (Belgium)

15:17
4D ultrasound for central neuraxial block - epidural and spinal injection
Manoj Karmakar (Hong Kong)

13:45 - 15:15
Optimizing postoperative pain relief after joint surgery

**Chair:** Pry Pyrambodho (Indonesia)
**Co-Chair:** Poupak Rahimzadeh (Iran)

13:45
Best practices for analgesia after total hip replacement
Philippe Macaire (UAE)

14:05
Best practices for analgesia after total knee replacement
Shinichi Sakura (Japan)

14:25
Best practices for analgesia after shoulder surgery
Vincent Chan (Canada)

14:45
Best practices for analgesia after major abdominal surgery
John McDonnell (Ireland)

15:05
Discussion

16:00 - 17:30
Technical advances - video demonstration session

**Chair:** Manoj Karmakar (Hong Kong)

16:00
Supraclavicular brachial plexus block - the subfascial intracluster injection technique
Balavenkat Subramanian (India)

16:07
Costoclavicular brachial plexus block
Manoj Karmakar (Hong Kong)

16:14
Phrenic nerve sparing block for shoulder surgery - the shoulder block
Darcy J. Price (New Zealand)

16:21
Fascia iliaca block
Suwimon Tangwiwat (Thailand)

16:28
Obturator nerve block
Francois Retief (South Africa)

16:35
Saphenous nerve block - the adductor canal approach
Christopher Robards (USA)

16:42
Lumbar plexus block - the Shamrock technique
Jens Borglum (Denmark)

16:49
Popliteal sciatic nerve block - subparaneural injection
Xavier Sala-Blanch (Spain)

16:56
Transmuscular quadratus lumborum block
John McDonnell (Ireland)

17:03
PECS 1 and serratus plane block
Rafael Blanco (UAE)

17:10
Thoracic paravertebral block
Philippe Gautier (Belgium)

17:17
Parasternal anterior intercostal nerve block
Yasukuki Shibata (Japan)
RESEARCH AND PUBLICATION

Thursday 01 September 2016

08:30 - 10:00 .................................................. THEATRE 2

Global perspectives for supporting novice researchers
Chair: Hugo Van Aken (Germany)

08:30 From research question to publication: some good practices
Anna Lee (Hong Kong)

08:55 Difficulties in publishing from the perspective of LMIC
Fauzia Khan (Pakistan)

09:20 Supporting authors from LMIC: journal's perspective
Angela Enright (Canada)

09:45 Discussion

14:00 - 15:30 .................................................. S221

Editors' forum
Chair: Tim Short (New Zealand)

14:00 Why most published research findings are false
Steve Shafer (USA)

14:25 How do we raise the standards in English writing?
Andrew Klein (United Kingdom)

14:50 What important questions do we want answered? (James Lind Alliance)
Simon Howell (United Kingdom)

15:15 Discussion

16:00 - 17:30 .................................................. S221

New challenges in publishing
Chair: John Carlisle (United Kingdom)

16:00 Predatory publishing is destroying open access
Andrew Klein (United Kingdom)

16:25 Best practices for managing relationships with pharmaceutical companies
Evan Kharasch (USA)

16:50 Misrepresentation of new drugs and devices
Steve Shafer (USA)

17:15 Discussion

Friday 02 September 2016

08:30 - 10:00 .................................................. S226-227

New types of Cochrane systematic reviews-benefits and challenges
Chair: Anna Lee (Hong Kong)

08:30 Non-RCTs in systematic reviews: the clinical impact
Ann Møller (Denmark)

08:55 Protocolised weaning from mechanical ventilation: pairing a qualitative review with an effectiveness review
Bronagh Blackwood (United Kingdom)

09:20 Diagnostic test assessment systematic reviews: a new spectrum of methods and statistics
Nathan Pace (USA)

09:45 Discussion

10:30 - 12:00 .................................................. S226-227

Outcome evaluation designs
Chair: Ann Møller (Denmark)

10:30 RCTs in the real world - experience with the head injury retrieval trial
Alan Garner (Australia)

10:55 Large multicenter RCTs
Tim Short (New Zealand)

11:20 Big data demonstrates the value of care provided
Jack Chen (Australia)

11:45 Discussion

13:00 - 14:30 .................................................. THEATRE 1

Research fraud
Chairs: Anna Lee (Hong Kong), Andrew Klein (United Kingdom)

13:00 Funny numbers: Random variation or phony data or statistical malpractice?
Nathan Pace (USA)

13:25 Are anaesthetists the biggest liars or just bad liars?
John Carlisle (United Kingdom)

13:50 How journals manage research fraud
Steve Shafer (USA)

14:15 Discussion
PROGRAMME

RESPIRATION AND AIRWAY

Monday 29 August 2016

08:30 - 10:00 ........................................................................... N201
Lower airway problems
Co-Chairs: Sheila Myatra (India), Peter Slinger (Canada)
08:30 Airway foreign body (adult and child)
Anil Patel (United Kingdom)
08:55 Anaesthesia for airway surgery
Randal Blank (USA)
09:20 Mediastinal masses
Jigeeshu V. Divatia (India)
09:45 Discussion

10:45 - 12:15 ........................................................................... N201
The essentials of thoracic anaesthesia
Co-Chairs: Randal Blank (USA), Chan Y. Wai (Hong Kong)
10:45 Lung isolation: bronchial blockers and double-lumen tubes
Mert Senturk (Turkey)
11:10 Management of one-lung ventilation
Laszlo Szegedi (Belgium)
11:35 Bronchopleural fistula
Andrew Levin (South Africa)
12:00 Discussion

16:00 - 17:30........................................................................... GRAND HALL
Difficult airways: guidelines and management
Co-Chairs: Richard Cooper (Canada), Sheila Myatra (India)
16:00 Difficult airway society (DAS) 2015 guidelines: What has changed?
Ellen O’Sullivan (Ireland)
16:15 Rethinking oxygenation - apnoeic oxygenation techniques
Anil Patel (United Kingdom)
16:30 Supr.glottic airway devices - safety aspects and clinical indications in 2016
Friedrich Pühringer (Germany)
16:45 Percutaneous emergency airway access: How to prevent, prepare, perform and teach it?
Michael Kristensen (Denmark)
17:00 Extubation of the difficult airway - current strategies
Richard Cooper (Canada)
17:15 Discussion

Tuesday 30 August 2016

08:30 - 10:00 ........................................................................... N201
Difficult airways in subspecialties
Co-Chairs: Ellen O’Sullivan (Ireland), Irene Osborn (USA)
08:30 The neurosurgical airway: challenges, myths, innovations
Irene Osborn (USA)
08:50 Preventing and managing laryngospasm in the child
Paul Baker (New Zealand)
09:10 Challenges in airway management in the obese patient
Mike Margarson (United Kingdom)
09:30 Airway management in head and neck cancer
Sheila Myatra (India)
09:50 Discussion

10:45 - 12:15 ........................................................................... N201
Debate and difficult submitted cases
Chair: Sheila Myatra (India)
10:45 Debate: Cannot ventilate after induction of anaesthesia - I will now give a muscle relaxant
Pro: Friedrich Pühringer (Germany)
Con: Anil Patel (United Kingdom)
11:15 Difficult airway submitted cases
Richard Cooper (Canada), Irene Osborn (USA)

14:00 - 15:30 ........................................................................... N201
Lung injury in thoracic surgery
Co-Chair: Vera Von Dossow (Germany), Edmond Cohen (USA)
14:00 Preoperative assessment and predictive factors for lung injury
Peter Slinger (Canada)
14:25 Adverse effects of one-lung ventilation
Nandor Marczin (United Kingdom)
14:50 Extracorporeal strategies for treatment and prevention of lung injury
Vera Von Dossow (Germany)
15:15 Discussion
**PROGRAMME**

**RESPIRATION AND AIRWAY**

16:00 - 17:30

**Difficult submitted thoracic cases**

*Chair:* Peter Slinger (Canada)

*Panellists:* Mohamed El-Tahan (Egypt), Randal Blank (USA), Edmond Cohen (USA)

16:00  **OR001** - Extracorporeal membrane oxygenation to support whole lung lavage in a patient with pulmonary alveolar proteinosis  
Fatma Nur Kaya (Turkey)

16:30  **OR002** - The use of a Y-shaped balloon tip endobronchial blocker (EB) as lung isolation device for an 8 year old undergoing video-assisted thoracic surgery (VATS) excision of anterior mediastinal mass  
Elwlynne Que Tingco Reyes (Philippines)

16:30  **OR003** - Radiologically guided percutaneous tracheostomy - a novel technique  
Christine Sathananthan (United Kingdom)
### SAFETY AND QUALITY

**Wednesday 31 August 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Notes</th>
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<tbody>
<tr>
<td>08:30 - 10:00</td>
<td>Going green while maintaining quality of care in the operating room</td>
<td>Chair: TBC</td>
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<tr>
<td>08:30</td>
<td>Sustainability and going green in the OR - why is it important?</td>
<td>Lauren Berkow (USA)</td>
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<td>08:55</td>
<td>The impact of anaesthetics on the environment</td>
<td>Karin Zuegge (USA)</td>
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<td>09:20</td>
<td>Recycling and reprocessing in the operating room</td>
<td>Forbes McGain (Australia)</td>
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<td>09:45</td>
<td>Discussion</td>
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<td>08:30 - 10:00</td>
<td>Medication safety</td>
<td>Chair: TBC</td>
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<td>08:30</td>
<td>Safe medication practices</td>
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<td>08:50</td>
<td>Drug costs as an impediment to quality care</td>
<td>Edson Chikumba (Zimbabwe)</td>
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<td>09:10</td>
<td>Drug shortages and counterfeit medications</td>
<td>Gauhar Afshan (Pakistan)</td>
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<td>09:30</td>
<td>Non Luer connectors – coming soon</td>
<td>Phoebe Mainland (Australia)</td>
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<td>09:50</td>
<td>Discussion</td>
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<td>13:45 - 15:15</td>
<td>Global oximetry and Lifebox: now and then</td>
<td>Co-Chair: Mary Nabukenya (Uganda), Faye Evans (USA)</td>
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<td>13:45</td>
<td>Lifebox - why an oximeter?</td>
<td>Iain Wilson (United Kingdom)</td>
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<td>14:05</td>
<td>The history and future of oximetry</td>
<td>Joe Kiani (USA)</td>
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<td>14:25</td>
<td>Lifebox challenges and solutions</td>
<td>Rob McDougall (Australia)</td>
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<tr>
<td>14:45</td>
<td>Lifebox and perioperative safety in Guatemala</td>
<td>Sandra Izquierdo (Guatemala)</td>
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<td>15:05</td>
<td>Discussion</td>
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### Lifebox: A world initiative for patient safety

**Thursday 01 September 2016**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chair/Notes</th>
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<tbody>
<tr>
<td>08:30 - 10:00</td>
<td>Ketamine</td>
<td>Chair: Jannicke Mellin-Olsen (Norway)</td>
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<tr>
<td>08:30</td>
<td>Understanding ketamine pharmacology</td>
<td>Phil Peyton (Australia)</td>
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<tr>
<td>08:55</td>
<td>New uses</td>
<td>Susilo Chandra (Indonesia)</td>
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<tr>
<td>09:20</td>
<td>Challenges to availability</td>
<td>Jason Nickerson (Canada)</td>
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<tr>
<td>09:45</td>
<td>Discussion</td>
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</tbody>
</table>
**International outcome inventories**

Chair: TBC

10:45 National registries, big data resources - how to do it, what's their value?
Martin Culwick (Australia)

11:05 What have we learned from the closed claims database
Karen Domino (USA)

11:25 Impediments to implementation in low and middle income countries (LMICs)
Pedro Ibarra (Colombia)

11:45 Anaesthesia mortality - how low can we go?
Leona Wilson (New Zealand)

12:05 Discussion

**Here's what anaesthesiologists must know about surgical site infection**

Chair: TBC

14:00 What an anaesthesiologist should know about antibiotics & surgical site infections
Tom Weiser (USA)

14:25 Dynamics of bacterial infection in the operating room
Randy Loftus (USA)

14:50 Are anaesthesiologists injecting bugs as well as drugs? Towards the Z-Bugs study
Alan Merry (New Zealand)

15:15 Discussion

**Safety initiatives around the World**

Chair: TBC

08:30 Helsinki declaration
Jannicke Mellin-Olsen (Norway)

08:50 Chinese national center for anaesthesia quality assurance
Yuguang Huang (China)

09:10 The Brazilian patient safety foundation
Aline Chibana (Brazil)

09:30 African patient safety initiatives
Bisola Onajin-Obembe (Nigeria)

09:50 Discussion
PROGRAMME

TECHNOLOGY

Monday 29 August 2016

10:45 - 12:15 .................................................. CONVENTION HALL C

Cardiac output monitoring in the perioperative setting
Co-Chairs: Maxime Cannesson (USA), Lester Critchley (Hong Kong)

10:45 How to evaluate a new cardiac output monitor?
Lester Critchley (Hong Kong)

11:10 Mini and non-invasive cardiac output monitoring technologies
Thomas Scheeren (Netherlands)

11:35 Perioperative goal directed therapy
Rupert Pearse (United Kingdom)

12:00 Discussion

14:00 - 15:30 .................................................. CONVENTION HALL A

What’s new in the cardiovascular monitoring technology area?
Co-Chairs: Maxime Cannesson (USA), Christa Boer (Netherlands)

14:00 Non-invasive and continuous blood pressure monitoring devices
Guo Chen (China)

14:25 Monitoring fluid responsiveness
Maxime Cannesson (USA)

14:50 Handheld point of care: ultrasound for the perioperative physician
Davinder Ramsingh (USA)

15:15 Discussion

16:00 - 17:30 .................................................. CONVENTION HALL A

Monitoring the components of anaesthesia
Co-Chairs: Jan Hendrickx (Belgium), Michel Straus (Netherlands)

16:00 Measuring hypnosis
Patrick Purdon (USA)

16:25 Measuring nociception
Martin Lugimühl (Switzerland)

16:50 Measuring neuromuscular blockade
Thomas Fuchs-Buder (France)

17:15 Discussion

Tuesday 30 August 2016

08:30 - 10:00 .................................................. CONVENTION HALL A

Technology outside the operating room
Co-Chairs: Martin Lugimühl (Switzerland), Maxime Cannesson (USA)

08:30 Technology for prehospital care
Alain Kalmar (Belgium)

08:55 Anaesthesia equipment and MRI
Hartmut Gehring (Germany)

09:20 Which equipment do I need during procedural sedation?
Thomas Fuchs-Buder (France)

09:45 Discussion

10:45 - 12:15 .................................................. CONVENTION HALL A

Monitoring of perioperative haemostasis
Co-Chairs: Hartmut Gehring (Germany), Christa Boer (Netherlands)

10:45 Coagulation testing
Jerrold Levy (USA)

11:10 Platelet testing
Neville Gibbs (Australia)

11:35 Heparin management
Christa Boer (Netherlands)

12:00 Discussion

14:00 - 15:30 .................................................. CONVENTION HALL A

What’s new in closed-loop technology for anaesthesia and intensive care medicine
Co-Chairs: Michel Struys (Netherlands), Maxime Cannesson (USA)

14:00 Closed loop fluid management and hemodynamic optimization systems
Maxime Cannesson (USA)

14:40 Closed-loops for drug administration
Michel Struys (Netherlands)

15:20 Discussion
16:00 - 17:30  CONVENTION HALL A

Devices for optimized drug administration
Co-Chairs: Michel Struys (Netherlands), David Chong (Hong Kong)

16:00  Target-controlled infusion of intravenous anesthetics: a mature technology
Anthony Absalom (Netherlands)

16:40  Low flow anaesthesia machines: a requirement for inhaled anaesthetics
Jan Hendrickx (Belgium)

17:20  Discussion

Wednesday 31 August 2016

08:30 - 10:00  CONVENTION HALL A

Measuring oxygen in the patient
Co-Chairs: Michel Struys (Netherlands), Maxime Cannesson (USA)

08:30  Measuring oxygen in the brain
Matthias Heringlake (Germany)

09:10  Measuring tissue oxygenation outside the brain
Thomas Scheeren (Netherlands)

09:50  Discussion
**CHINESE SOCIETY OF ANESTHESIOLOGY**

**Wednesday 31 August 2016**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:45</td>
<td>Advances in anaesthesia for cardiac transplantation in China</td>
<td>Xiang-Dong Chen</td>
<td>China</td>
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<tr>
<td>14:10</td>
<td>Paediatric kidney transplantation: anaesthesia and perioperative care</td>
<td>Lu Yang</td>
<td>China</td>
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<tr>
<td>14:35</td>
<td>Perioperative management of paediatric liver transplantation</td>
<td>Peiying Li</td>
<td>China</td>
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<td>15:00</td>
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**Thursday 01 September 2016**

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<tr>
<td>14:00</td>
<td>Anaesthesia in the eyes of Chinese anaesthesiologists</td>
<td>Buwei Yu</td>
<td>China</td>
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<td>14:25</td>
<td>Perioperative application of traditional Chinese medicine: theory and practice</td>
<td>Fan Su</td>
<td>China</td>
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<tr>
<td>14:50</td>
<td>Perioperative application of acupuncture</td>
<td>Qiang Wang</td>
<td>China</td>
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<td>15:20</td>
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**CHINESE SOCIETY OF ANESTHESIOLOGY**

**Wednesday 31 August 2016**

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<tr>
<td>16:00</td>
<td>Individualized perioperative transfusion: a new kind of blood transfusion strategy</td>
<td>Ren Liao</td>
<td>China</td>
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<td>16:25</td>
<td>Prophylactic abdominal aorta balloon occlusion during 200 cesarean section cases: a retrospective study</td>
<td>Jie Zhang</td>
<td>China</td>
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<tr>
<td>16:50</td>
<td>Our experience with intraoperative cell salvage during cesarean section: more than one thousand case reports</td>
<td>Haiya Yan</td>
<td>China</td>
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<td>17:15</td>
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<td>16:00</td>
<td>Non-toll-like receptor in surgical infection and sepsis</td>
<td>Xiangming Fang</td>
<td>China</td>
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<td>16:30</td>
<td>Epigenetic modification of microRNA underlying spinal nociceptive processing</td>
<td>Jun-Li Cao</td>
<td>China</td>
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<tr>
<td>17:00</td>
<td>Impact of circadian rhythm shift on postoperative cognitive dysfunction</td>
<td>Xiaoping Gu</td>
<td>China</td>
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ANAESTHESIA AND CANCER
Thursday 01 September 2016

<table>
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<tr>
<th>Time</th>
<th>Session</th>
<th>Chair</th>
<th>Talks and Discussions</th>
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<tbody>
<tr>
<td>08:30 - 10:00</td>
<td>Welcome and introduction</td>
<td>Vijaya Gottumukkala (USA)</td>
<td>08:35 Global cancer burden: epidemiology and implications for perioperative clinicians</td>
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<td></td>
<td>Bernhard Riedel (Australia)</td>
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<td>08:55 Cancer therapies: implications for the anaesthesiologist</td>
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<td>Vijaya Gottumukkala (USA)</td>
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<td>09:20 Preoperative evaluation &amp; preparation of the cancer patient for surgery: do guidelines apply?</td>
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<td>Ana Pereira (Brazil)</td>
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<td>10:45 - 12:15</td>
<td>Perioperative session</td>
<td>Vijaya Gottumukkala (USA)</td>
<td>10:45 What is new in basic science and translational research?</td>
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<td>Juan P. Cata (USA)</td>
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<td></td>
<td>11:10 Can anesthetic-analgesic technique influence cancer outcomes?</td>
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<td>Donal Buggy (Ireland)</td>
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<td>11:35 Prehabilitation and accelerated recovery: Is there a role in cancer surgery?</td>
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<td>Bernhard Riedel (Australia)</td>
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<td></td>
<td>12:00 Discussion</td>
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<tr>
<td>14:00 - 15:30</td>
<td>Postoperative session</td>
<td>Bernhard Riedel (Australia)</td>
<td>14:00 Key intensive care unit (ICU) challenges in the care of the cancer patient</td>
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<td>Timothy Wigmore (United Kingdom)</td>
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<td></td>
<td>14:25 Palliative care conundrums - real life challenges</td>
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<td>Sushma Bhatnagar (India)</td>
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<td>14:50 When cancer hits home - lessons learned</td>
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<td>Thomas Rahlfs (USA)</td>
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<tr>
<td>16:00 - 17:30</td>
<td>World wide experience and education</td>
<td>Timothy Wigmore (United Kingdom)</td>
<td>16:00 Perioperative care of the cancer patient: China experience</td>
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<td>Changhong Miao (China)</td>
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<td></td>
<td>16:25 Perioperative care in low and middle income countries and the challenges</td>
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<td>Jigeeshu V. Divatia (India)</td>
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<td>16:50 Is there a need for special educational program on onco-anaesthesia?</td>
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<td>Vijaya Gottumukkala (USA)</td>
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<td>17:15</td>
<td>Discussion</td>
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<td>17:15 Discussion</td>
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PROGRAMME

OBESITY AND SLEEP MEDICINE

Thursday 01 September 2016

08:30 - 10:00 ............................................. N201

The big picture - charting the way
Co-Chairs: John Cousins (United Kingdom), Roman Schumann (USA)

08:30  Obesity epidemiology and implications
  Michael Margarson (United Kingdom)

08:45  Pharmacology in obesity: what’s different?
  Luc De Baerdermaeker (Belgium)

09:00  The metabolic syndrome implications for
  anaesthesia
  Roman Schumann (USA)

09:15  Obstructive sleep apnea (OSA) and outcomes
  Frances Chung (Canada)

09:40  Discussion

10:45 - 12:15 ............................................. N201

Pre-operative assessment - preparing for departure
Co-Chairs: Frances Chung (Canada), Jan Mulier (Belgium)

10:45  Cardiovascular assessment
  Barbara Kabon (Austria)

11:05  Pulmonary pathophysiology and its implications
  Claire Nightingale (United Kingdom)

11:20  Optimisation of the patient with obstructive
  sleep apnea (OSA)
  Dennis Auckley (USA)

11:40  Bariatric surgery and multidisciplinary care
  John Cousins (United Kingdom)

11:55  Discussion

14:00 - 15:30 ............................................. N201

Intra-operative care - the eye of the storm
Co-Chairs: Michael Margarson (United Kingdom), Satya K. Ramachandran (USA)

14:00  Airway
  Adrian Sultana (Australia)

14:15  Ventilation and the pneumoperitoneum
  Tomasz Gaszynski (Poland)

14:30  Anaesthetic and analgesic strategies
  Naveen Eipe (Canada)

14:50  Discussion

15:05  Debate: PRO - succinylcholine has no role in
  anaesthesia for the morbidly obese patient
  Adrian Sultana (Australia)

15:05  Debate: CON - succinylcholine still has a clear
  role in anaesthesia for the morbidly obese
  patient
  Roman Schumann (USA)

16:00 - 17:30 ............................................. N201

Post-operative care - finding safe harbour
Co-Chairs: Luc De Baerdermaeker (Belgium), Stephanie Jones (USA)

16:00  Obstructive sleep apnea (OSA) peri-operative
  management
  Satya K. Ramachandran (USA)

16:30  PACU challenges I: PONV and analgesia failure
  Rainer Lenhardt (USA)

16:45  PACU challenges II: rhabdomyolysis and
  thromboprophylaxis
  Stephanie Jones (USA)

17:00  Challenging cases

17:20  Round-up
  Michael Margarson (United Kingdom)
WORKSHOPS & PBLDs PROGRAMME

AMBULATORY WORKSHOPS

Wednesday 31 August 2016

13:45 - 15:15

Teaching the principles of inhalation kinetics with Gas Man

The workshop is led by the Gas Man author and taught by experienced Gas Man users, in English with multi-lingual support including French and Chinese. Target audience: teaching faculty at hospital or university

*Bring your own PC, either Windows or Macintosh*

45 minutes – Introduction to Gas Man workspace including

- Installation on PC or Macintosh
- Three panels – control, picture, graph
- Choosing patients, circuits
- Controlling alveolar ventilation and cardiac output
- Controlling vaporizer setting and fresh gas flow
- Simulations: saving, reusing, and overlaying

30 minutes – Understand the Alveolar Tension Curve (ATC)

- Initial rise, plateau, knee, and tail
- Factors that affect the ATC
- Using overlays again to explore the ATC
- Making the concepts stick in the minds of learners

15 minutes – Applying Gas Man to teaching and clinical practice

- Comparing Gas Man to agent monitor results
- Using agent monitors to reaffirm theoretical concepts

Fee: USD 15 (Free for delegates from low and middle income countries)
Limited to 24 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Chair: James Philip (USA)
Facilitators: Hai Yu (China), Murugesan Ravishankar (India), Valerie Billard (France), Jan Hendrickx (Belgium)

Thursday 01 September 2016

14:00 - 15:30

Applying inhalation kinetics to optimize recovery of ambulatory surgery patients using Gas Man

The workshop is led by the Gas Man author and taught by experienced Gas Man users, in English with multi-lingual support including French and Chinese. Target audience: anesthesiologists in clinical practice

*Bring your own PC, either Windows or Macintosh*

45 minutes – Introduction to Gas Man workspace including

- Installation on PC or Macintosh
- Three panels – control, picture, graph
- Choosing patients, circuits
- Controlling alveolar ventilation and cardiac output
- Controlling vaporizer setting and fresh gas flow
- Simulations: saving, reusing, and overlaying

45 minutes – Clinical Scenarios

- Induction of anesthesia
- Overpressure
- Impact of vaporizer setting (Del) and Fresh Gas Flow (FGF)
- When it is comfortable to reduce FGF
- What to do with Del when reducing FGF
- How to achieve rapid deepening of anesthesia
- How to achieve lightening of anesthesia
- How to achieve fast wake up and full recovery.

Fee: USD 15
Limited to 24 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Chair: James Philip (USA)
Facilitators: Hai Yu (China), Murugesan Ravishankar (India), Valerie Billard (France), Jan Hendrickx (Belgium)
**Advanced Gas Man workshop**

The workshop is led by the Gas Man author and taught by experienced Gas Man users, in English with multi-lingual support including French and Chinese. Target audience: current Gas Man users who want to become experts.

*Bring your own PC, either Windows or Macintosh*

30 minutes - Review of Gas Man workspace standard features

- Concentration effect on alveolar ventilation
- Second gas effect
- Vaporization effect on FGF
- Graphing ratios of tensions in compartments

45 minutes - Exploring Gas Man advanced features, opportunities

- Inverting ratios to understand automatic control of depth
- Overlaying simulations of the same drug
- Overlaying simulations of different drugs
- Changing patient size and observing weight scaling
- Changing compartment sizes and body habitus
- Changing compartment flows
- Saving data from simulations in simple ways
- Saving data from simulations in many ways

15 minutes - Reviewing publications that used Gas Man for answers

Fee: USD 15
Limited to 24 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

*Chair: James Philip (USA)*
*Facilitators: Hai Yu (China), Murugesan Ravishankar (India), Valerie Billard (France), Jan Hendrickx (Belgium)*

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**Safety and practical aspects of anaesthesia delivery in MRI**

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

*Facilitator: Keira Mason (USA)*

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**Safety in regional anaesthesia for outpatients**

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

*Facilitator: Katarina Šakic Zdravcevic (Croatia)*

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**Anaesthesia for electrophysiologic procedures**

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

*Facilitator: Michael Walsh (USA)*

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**Obese paediatric patients for ambulatory surgery**

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

*Speaker: Raafat S. Hannallah (USA)*
WORKSHOPS & PBLDs PROGRAMME

CIRCULATION WORKSHOPS

Sunday 28 August 2016

15:30 - 17:30 Transthoracic echocardiography (TTE) simulation
This is an interactive workshop that offers ample hands-on opportunities to assess healthy live models as well as simulators with interesting pathologies.

Fee: USD 100.00
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Chairs: Yu Fat Chow (Hong Kong), Andre Denault (Canada)

Station 1 CAE Healthcare simulator
Andre Denault (Canada)

Station 2 Learning focused TEE - what can the heartworks simulator add
Eric Sloth (Denmark)

Station 3 GE Healthcare machine live models
Yee E. Chee (Hong Kong)

Station 4 Philips machine live models
Yu Fat Chow (Hong Kong)

15:30 - 17:00 Cardio-pulmonary bypass (CPB)
An interactive session on the various components of the cardiopulmonary circuit and trouble-shooting for common and major perfusion problems.

Fee: USD 75.00
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Chairs: Jack So (Hong Kong), Rick Wu (Taiwan)

15:30 Coagulation management during CPB
Linda Shore-Lesserson (USA)

15:50 Neuromonitoring during CPB
Hilary Grocott (Canada)

16:10 CPB circuits
Pollina Yung (Hong Kong)

16:30 Hemodynamic instability coming off CPB
Rick Wu (Taiwan)

Wednesday 31 August 2016

13:45 - 15:15 Advanced transesophageal echocardiography (TEE) & 3D
This workshop on advanced echocardiography focusses on specific areas where skilled echocardiography techniques help guide critical intraoperative surgical decision making, especially with regard to valve repairs or replacements.

It further aims to highlight the latest developments in this field, underlining the superiority of 3D/4D imaging in certain situations.

All talks, delivered by some of the most well-known experts in the field, shall be aided by high quality videoclips.

Fee: USD 75.00
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Lead Organiser: Stanton Shernan (USA)
Facilitator: Leong Chow Ling (Hong Kong)

13:45 Tricuspid regurgitation during mitral valve replacement (MVR) - when to repair?
David Sidebotham (New Zealand)

14:10 Mild to moderate aortic stenosis (AS) during coronary artery bypass graft (CABG) - ignore, repair or replace?
Fabio Guarracino (Italy)

14:35 Ischemic mitral regurgitation - when to repair?
Nian C. Hwang (Singapore)

14:55 3D/4D TEE in cardiac surgery - when should it be used routinely?
Stanton Shernan (USA)

13:45 - 15:15 Neuromonitoring
This is an interactive session integrating different neuromonitoring parameters and surgical manoeuvres to minimize brain injury in patients undergoing cardiac and complex aortic surgical procedures.

Fee: USD 60.00
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Lead Organiser: Christian Werner (Germany)
Facilitator: SK Ng (Hong Kong)

13:45 Neuromonitoring: Near-infrared spectroscopy (NIRS), electroencephalography (EEG), transcranial doppler (TCD)
Christian Werner (Germany)
**WORKSHOPS & PBLDs PROGRAMME**

14:10  Surgeon's role in CNS protection in complex aortic surgery  
Randolf H. L. Wong (Hong Kong)

14:35  Optimizing cerebral blood flow during cardiopulmonary bypass (CPB)  
Suhaini Bin Kadiman (Malaysia)

14:55  Role of epiaortic scanning in preventing embolic cerebrovascular accident (CVA)  
Scott Reeves (USA)

13:45 - 15:15 ................................................................. S224

**Point-of-care coagulation monitoring**

This session features the latest development in POC coagulation testing presented to you by world-renowned experts on platelet functions and coagulation.

The session will be conducted in the format of didactic lectures, interactive case discussion, as well as hands-on opportunity in using the latest models in POC test kits.

Fee: USD 20.00  
Limited to 50 participants  
Pre-registration required on a first-come-first-served basis.  
Please check availability at the registration counter

Lead Organiser: David Mazer (Canada)  
Facilitator: Yee E. Chee (Hong Kong)

13:45  Platelet monitoring - thromboelastography (TEG)  
Pascal Colson (France)

14:05  Fibrinogen monitoring - ROTEM®  
Sophia Ang (Singapore)

14:25  Heparin monitoring  
Jerrold Levy (USA)

14:45  New Oral Anticoagulants (NOACs) monitoring  
David Mazer (Canada)

13:45 - 15:15 ................................................................. S225

**Ventricular assist devices and circulatory support**

Mechanical circulatory support technology and techniques have evolved at a phenomenal pace over the last 2 decades, with concomitant and marked enhancements in patient outcomes.

The rapid developments in this field make this topic an essential and inescapable part of any scientific cardiac meeting.

In this semi-interactive lecture session, aided by demonstration of current equipments and technology, a panel of international and local experts shall engage the audience in the latest developments in this area of practice.

Fee: USD 75.00  
Limited to 30 participants  
Pre-registration required on a first-come-first-served basis.  
Please check availability at the registration counter

Lead Organiser: George Djaiani (Canada)  
Facilitator: Cally Ho (Hong Kong)

13:45  Acute circulatory support: bridge to recovery  
Noreen Dowd (Ireland)

14:10  Right ventricular assist device and outcomes  
George Djaiani (Canada)

14:35  Left ventricular assist device and outcomes  
Cally Ho (Hong Kong)

14:55  Mechanical support in heart failure patients  
Sangmin Lee (Republic of Korea)

16:00 - 17:30 ................................................................. S226

**Transcatheter aortic valve replacement (TAVR)**

The transcatheter route for aortic valve implantation is a relatively new but established form of treatment for aortic stenosis that offers an alternative to patients considered very high risk for conventional surgical AVR.

These often very fragile patients do require, however, extremely careful preoperative assessment and highly specialized perioperative anaesthetic and procedural management, aided by precise intraoperative echocardiography.

As this procedure has evolved, so have the approaches, techniques and technologies with it.

A panel of international and local experts shall, through a series of talks, enlighten the audience with the most recent information and expertise available in this area.

Fee: USD 60.00  
Limited to 50 participants  
Pre-registration required on a first-come-first-served basis.  
Please check availability at the registration counter

Lead Organiser: Andrew Klein (United Kingdom)  
Facilitator: Yu Fat Chow (Hong Kong)

16:00  Anaesthetic management  
Joerg Ender (Germany)

16:20  Patient selection  
Yu Fat Chow (Hong Kong)

16:40  Transesophageal echocardiography (TEE) management  
Andrew Klein (United Kingdom)

17:00  Surgical approach and devices  
Bob Kiaii (Canada)
WORKSHOPS & PBLDs PROGRAMME

CIRCULATION

PBLS

Wednesday 31 August 2016

13:45 - 15:00 ......................................................... N104

Perioperative management of patients with pacemakers and implantable cardioverter defibrillators (ICDs)?

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Joseph Mathew (USA), Chow Yen Yong (Malaysia)

13:45 - 15:00 ......................................................... N105

Cardiac procedures in the parturient

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Florian R. Nuevo (Philippines), Ellen Dailor (USA)

13:45 - 15:00 ......................................................... N109

Thoracoabdominal aortic aneurysm (TAAA) repair: management strategies

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: George Silvay (USA), Yatin Mehta (India)

13:45 - 15:00 ......................................................... N110

Pain management strategies in cardiac surgery

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Christopher Troianos (USA), Pastor Luna (Mexico)

16:00 - 17:15 ......................................................... N102

Anaesthetic implications of the new antithrombotic agents

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: David Mazer (Canada), Donna Greenhalgh (United Kingdom)

16:00 - 17:15 ......................................................... N103

The interventional Cath Lab: challenging cases

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: George Djaiani (Canada), Benjamin Drenger (Israel)

16:00 - 17:15 ......................................................... N104

Cardio-pulmonary bypass (CPB) disasters

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Noreen Dowd (Ireland), Andre Denault (Canada)

16:00 - 17:15 ......................................................... N105

Tips to success in anaesthesiology leadership

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: John Butterworth (USA), Davy Cheng (Canada)
WORKSHOPS & PBLDs PROGRAMME

Extracorporeal membrane oxygenation (ECMO): indications and management

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Pascal Colson (France), Alex Gottlieb (USA)

Anemia and fluid management

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Colleen Koch (USA), Sophia Ang (Singapore)

Percutaneous valvular procedures: transcatheter aortic valve replacement (TAVR), Mitral clip

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: David Daly (Australia), Daniel Bainbridge (Canada)

PBLD 12: Perioperative transesophageal echocardiography (TEE): challenging cases

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Douglas Shook (USA), Stephane Lambert (Canada)

EDUCATION AND DEVELOPMENT WORKSHOPS

Thursday 01 September 2016

10:45 - 12:15

BEST - better and systematic team training in the trauma room

This workshop will present a concept for how to improve team communication and performance in a stressful situation with patients in a potentially life threatening state. This includes theory and low-fidelity simulation that has proved effective in both high and low resource situations. This background will then be used for a real-time simulation exercise with some of the participants. At the end of the workshop, the participants will be able to:

- Understand how a well-functioning multi-professional team works
- Use communication techniques to improve team performance
- Overcome obstacles in teamwork
- Do proper A-B-C-D-E examination

Fee: Free
Limited to 30 participants (20 low and middle income countries and 10 high income countries)
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Organiser: Torben Wisborg (Norway)
Facilitators: Guttorm Brattebo (Norway), Torben Wisborg (Norway)

14:00 - 15:30

BEST - better and systematic team training in the trauma room

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WORKSHOPS & PBLDs PROGRAMME

Fee: Free
Limited to 30 participants (20 low and middle income countries and 10 high income countries)
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Organiser: Torben Wisborg (Norway)
Facilitators: Guttorm Brattebo (Norway), Torben Wisborg (Norway)

Friday 02 September 2016

10:30-12:00 ............................................................. N109-110

Multi-professional training on location
This workshop will discuss how to create momentum and set up a local training program to improve non-technical skills in multi-professional teams.
Experience from in- and out-of-hospital training programs will be used to enable participants to:
• Decide when a multi-professional team training program will be appropriate
• Avoid common pitfalls during the implementation
• Be aware of obstacles to establishing team training
• Get all participants “on board” know the basic rules for facilitating
• Create own training cases

Fee: Free
Limited to 30 participants (20 low and middle income countries and 10 high income countries)
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Organiser: Torben Wisborg (Norway)
Facilitators: Guttorm Brattebo (Norway), Torben Wisborg (Norway)

INTENSIVE CARE WORKSHOPS
Monday 29 August 2016

08:30 - 18:00 .................................................................. S425

Instructor course for airway management: beyond BASIC (Day 1 of 2)
For instructors interested in teaching a two-day course designed to give a structured approach to management of the upper airway for senior trainees in intensive care and as a refresher for specialist anaesthetists, respiratory physicians and intensivists, consisting of distance learning material and a day of small group tutorials and skill stations.
The focus of the course is on practical experience of airway management using a variety of techniques and strategies.
It covers the College of Intensive Care Medicine of Australia and New Zealand’s requirements for training related to airway management.
The BASIC collaboration founded by Charles Gomersall is an informal grouping of intensive care specialists with an interest in the development and dissemination of teaching material.
This material is produced primarily in the form of short courses focusing on different topics or groups of students/professionals working with severely ill patients.
Ten different courses are provided ranging from specialist physician courses in advanced mechanical ventilation and nephrology, to courses for medical students and nurses, and those targeted for those working in developing health systems.
Courses have been endorsed by many organisations, including the World Federation of Societies of Critical Care Medicine, European Society of Intensive Care Medicine, College of Intensive Care Medicine of Australia and New Zealand, World Health Organisation and Médecins sans Frontières.
Since 2004 courses have been held in over 50 countries.

Fee: USD 80
Limited to 25 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Organiser: Charles Gomersall (Hong Kong)
Lead Instructor: Joey Wai (Hong Kong)
Instructors: John Copland (Australia), Jerry Wong (Hong Kong), Aaron Ying (Hong Kong)
Instructor course for mechanical ventilation: beyond BASIC

Endorsed by the European Society of Intensive Care Medicine.

For those interested in teaching a 1–2 day day course suitable for senior trainees in intensive care and as a refresher for specialist anaesthetists, respiratory physicians and intensivists, consisting of distance learning material and a day of small group tutorials and skill stations.

The BASIC collaboration founded by Charles Gomersall is an informal grouping of intensive care specialists with an interest in the development and dissemination of teaching material.

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Since 2004 courses have been held in over 50 countries.

Fee: USD 80
Limited to 25 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Organiser: Charles Gomersall (Hong Kong)
Lead Instructor: Kathleen Rotheray (Hong Kong)
Instructors: Abselemb Ekesh (Ethiopia), Czarina Leung (Hong Kong), Tom Poyser (United Kingdom)

Instructor course for airway management: beyond BASIC (Day 2 of 2)

For instructors interested in teaching a two-day course designed to give a structured approach to management of the upper airway for senior trainees in intensive care and as a refresher for specialist anaesthetists, respiratory physicians and intensivists, consisting of distance learning material and a day of small group tutorials and skill stations.

The focus of the course is on practical experience of airway management using a variety of techniques and strategies. It covers the College of Intensive Care Medicine of Australia and New Zealand’s requirements for training related to airway management.

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Fee: USD 80
Limited to 25 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Organiser: Charles Gomersall (Hong Kong)
Instructors: John Copland (Australia), Jerry Wong (Hong Kong), Aaron Ying (Hong Kong)

Provider course for mechanical ventilation: beyond BASIC

Endorsed by the European Society of Intensive Care Medicine.

A one day course suitable for senior trainees in Intensive Care and as a refresher for specialist anaesthetists, respiratory physicians and intensivists, consisting of distance learning material and a day of small group tutorials and skill stations. The BASIC collaboration founded by Charles Gomersall is an informal grouping of Intensive Care specialists with an interest in the development and dissemination of teaching material.

This material is produced primarily in the form of short courses focusing on different topics or groups of students/professionals working with severely ill patients.

Ten different courses are provided ranging from specialist physician courses in advanced mechanical ventilation and nephrology, to courses for medical students and nurses, and those targeted for those working in developing health systems.

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Since 2004 courses have been held in over 50 countries.

Instructor course for BASIC DHS (Developing Health Systems) (Day 2 of 2)

For those interested in running this course that has recently been revised in collaboration with Médecins sans Frontières.

It is designed to teach acute medicine to doctors practising in healthcare systems with limited resources.

It assumes that the participants have access to measurement of haemoglobin, white cell count, urea, creatinine, electrolytes and glucose only.

Radiology is restricted to plain films and ultrasound.

Oxygen therapy is limited to 10l/min and mechanical ventilation is not available.

Like other “BASIC” courses the course material has been designed to be disseminated using a train-the-trainer model.

The material consists of course manual, slides, skill station material and pre- and post-course tests.

Both adult and paediatric acute medicine are covered.

The course has been successfully taught to both doctors and medical students in a variety of countries including Haiti, Pakistan, Liberia, Tanzania, Ethiopia and Rwanda.

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This material is produced primarily in the form of short courses focusing on different topics or groups of students/professionals working with severely ill patients.

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WORKSHOPS & PBLDs PROGRAMME

Fee: USD 80
Limited to 25 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Organiser: Charles Gomersall (Hong Kong)
Lead Instructor: Kathleen Rotheray (Hong Kong)
Instructors: Abselom Ekesh (Ethiopia), Czarina Leung (Hong Kong), Tom Poyser (United Kingdom)

NEUROSCIENCE WORKSHOPS

Sunday 28 August 2016

09:30 - 12:30.................................................................N104

Workshop: Neuromonitoring using somatosensory and motor evoked potentials
This workshop contains hands-on stations and interactive case discussion to provide the most up-to-date knowledge on the use of somatosensory (SEP) and motor evoked potentials (MEP) for neuromonitoring during surgery.
The workshop will cover electrode placement, monitoring setup, and strategies in signal interpretation.
Upon completion of this workshop, participants should be able to:
• understand the principles and setup in establishing somatosensory and motor evoked potentials during surgery;
• recognize the significant changes in evoked potential monitoring;
• adapt, modify, and utilize anesthetic techniques to enhance evoked potentials signal acquisition.

Fee: USD 75.00
Limited to 60 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Organiser: Antoun Koht (USA)

14:00 - 17:00.................................................................N109-112

Neuromonitoring using auditory evoked potentials, electromyography, transcranial Doppler and cerebral oximetry
This workshop contains hands-on stations to provide the most up-to-date knowledge on the use of auditory evoked potential (AEP) electromyography, transcranial Doppler and cerebral oximetry for neuromonitoring during surgery and in the neurocritical unit.
The workshop will cover monitoring setup, acquisition and interpretation of signals.
Upon completion of this workshop, participants should be able to:
• understand the principles and setup of auditory evoked potentials and electromyography during skull base surgery;
• acquire and interpret transcranial Doppler signals;
• understand the limitations and interpretation of cerebral oximetry signals

Fee: USD 75.00
Limited to 60 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Organiser: Antoun Koht (USA)

14:00 Introduction
Antoun Koht (USA)

15:00 Interactive hands-on station (1): auditory evoked potentials, electromyography
Lawrence Wierzbowski (USA), Daniel Janik (USA)

15:00 Interactive hands-on station (2): transcranial Doppler
Deepak Sharma (USA), Jee Jian See (Singapore)

15:00 Interactive hands-on station (3): cerebral oximetry
Sergio Bergese (USA), John Bebawy (USA)

NEUROSCIENCE PBLDS

Tuesday 30 August 2016

08:30 - 10:00.................................................................N104

Anaesthetic management of intracranial haematoma evacuation in a patient with recent percutaneous transluminal coronary angioplasty (PTCA)

Fee: USD 15.00
Limited to 12 participants
WORKSHOPS & PBLDs PROGRAMME

Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter.

Facilitator: Lal Dhar Mishra (India)

08:30 - 10:00 .................................................. N105

Understanding and responding to electroencephalogram (EEG) and somatosensory evoked potential (SSEP) changes during carotid endarterectomy

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Speaker: Adam Rehak (Australia)

08:30 - 10:00 .................................................. N102

Acute ischaemic stroke what the anaesthesiologist needs to know. Review of emergency neurological life support (ENLS) protocols from Neuro-Critical Care Society

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitator: Shaheen Shaikh (USA)

OBSTETRIC PBLDS

Wednesday 31 August 2016

08:30 - 10:00 .................................................. N104

The management of high spinal anaesthesia

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitator: Rob Dyer (South Africa)

08:30 - 10:00 .................................................. N105

Labour analgesia alternatives to epidural analgesia

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitator: Carolyn Weiniger (Israel)

PAEDIATRIC WORKSHOPS

Tuesday 30 August 2016

10:45 - 12:15 ........................................... N108 AND N109-110

Managing emergencies in paediatric anaesthesia (MEPA)

Simulation-based training can be helpful in acquiring and maintaining the knowledge, skills and attitudes necessary to provide safe and effective care in a rapidly unfolding clinical crisis.

It also provides the opportunity to demonstrate and learn effective teamwork in stressful clinical situations.

This workshop will use high fidelity simulation as a platform to discuss the management of a number of life-threatening emergencies in paediatric anaesthesia.

Each clinical scenario will be followed by a reflective debrief to highlight specific learning points and current guidelines.

The ethos is to nurture good practice in a realistic and engaging environment, allowing participants to develop management strategies with recognition of the impact of ‘human factors’ and team work in paediatric anaesthesia emergencies.

Fee: USD 70.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Nick Boyd (United Kingdom), David De Beer (United Kingdom), Marina George (United Kingdom), Rebecca Gray (South Africa), Jonathan Smith (United Kingdom), Josephine Tan (Singapore), Mark Thomas (United Kingdom), Vivian M.-Y. Yuen (Hong Kong), Winnie Fung (Hong Kong), Rowena Lee (Hong Kong)

14:00 - 15:30 ........................................... N108 AND N109-110

Managing emergencies in paediatric anaesthesia (MEPA)

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Limited to 30 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Nick Boyd (United Kingdom), David De Beer (United Kingdom), Marina George (United Kingdom), Rebecca Gray (South Africa), Jonathan Smith (United Kingdom), Josephine Tan (Singapore), Mark Thomas (United Kingdom), Vivian M.-Y. Yuen (Hong Kong), Winnie Fung (Hong Kong), Rowena Lee (Hong Kong)

Thursday 01 September 2016

08:30 - 10:00 ........................................................................................................ S222

An institutional approach to the management of the cannot intubate, cannot oxygenate (CICO) emergency in children

A discussion exploring the difficulties in managing the CICO emergency in children with regard to both the technical skill of the procedure, and the institutional requirements to improve success.

Followed by skill stations to demonstrate and practise cannula and scalpel front of neck access, and jet oxygenation on paediatric models.

Fee: USD 40.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Organiser: Stefan Sabato (Australia)
Facilitators: Amanda Baric (Australia), David Pescod (Australia), Jennifer Reilly (Australia)

08:30 - 10:00 ........................................................................................................ S223

Ultrasound for children: tips and tricks from the experts

The workshop aims to familiarize the participants with the use of ultrasound for vascular access, peripheral nerve blockade and assessment of gastric content.

The workshop will include brief slide presentations followed by hands-on demonstrations and practice.

The hands-on stations will be: vascular access, upper extremity nerve blocks, lower extremity nerve blocks, gastric and miscellaneous.

Fee: USD 70.00
Limited to 24 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Adrian Bosenberg (USA), Per-Arne Lönnqvist (Sweden), Giorgio Ivani (Italy), Vivian M.-Y. Yuen (Hong Kong)

08:30 - 10:00 ........................................................................................................ S224

Total intravenous anaesthesia (TIVA) in children: from principles to practice

The workshop will be an interactive session aimed at
anesthesiologists who are interested in practicing TIVA in children, but have little experience.

The emphasis will be on practical matters such as “how to do it”, equipment to use, and tips for safe maintenance of anesthesia with intravenous agents.

This practical information will be backed up with modest amounts of underlying pharmacological information to provide the attendees with sufficient background knowledge to understand the rationale behind the practical recommendations.

They will also be advised on where to find additional information in the future.

Fee: USD 50.00
Limited to 25 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Keira Mason (USA), Oliver Bagshaw (United Kingdom), Anthony Absalom (Netherlands)

MRI in infant who has egg allergy and family history of malignant hyperthermia

Objectives:
1. The participant will review the literature on whether propofol is safe to be administered to patients with an egg allergy
2. Propofol, dexmedetomidine and alternative sedative options and delivery techniques will be discussed, both the advantages and disadvantages
3. Considerations for overnight admission in an infant with sleep apnea will be reviewed
4. The recent literature for the potential role of anesthetic agents on neurocognitive development, anesthetic management with egg and milk allergies, will be reviewed along with the recent statements from Food and Drug Administration and other specialty societies

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitator: Mark Newton (Kenya)

A 9 month old child with bronchiolitis: the devil is in the airways

Case:
A 9-month-old child has been admitted to the paediatric unit following an acute respiratory distress following a bronchiolitis with RSV positive. On the fourth day of admission, while the child was about to leave the hospital, he was playing in his cot and got caught in the barriers of his hospital bed and broke his femur. The surgeon calls you in order to anaesthetize this child for a spica cast (a hip spica is a special type of cast used to immobilize the hip joints up to the thighs).
WORKSHOPS & PBLDs PROGRAMME

Objectives:

1. Recognition of a child with bronchial hyperresponsiveness (BHR) with the consequences on the incidence of perioperative respiratory adverse events
2. Participants will explore the preventive measures to be implemented prior to anaesthesia
3. Based on the literature, participants will discuss the best anaesthesia management in the presence of BHR
4. The potential treatments to apply in case of occurrence of perioperative bronchospasm will be examined

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Walid Habre (Switzerland)

T&A outpatient surgery: when things go terribly wrong

Part 1:
8 year old male, 88kg with congenital heart defect presents for ambulatory adenotonsillectomy in a general hospital.

Objectives:

1. The attendee will explore the pathogenesis of obstructive sleep apnea in children; manifestations of intermittent nocturnal hypoxemia and clinical presentation
2. The attendee will understand the contribution of obesity to OSA, the systemic inflammatory response that occurs and the probability of improvement with adenotonsillectomy
3. Right sided congenital heart defects may exacerbate the manifestations of OSA; when is a preoperative cardiology consult warranted?

Part 2:
6 year old presents with a tonsil rebleed for surgical intervention 7 days post T&A surgery at 2 am.

Objectives:

1. The attendee will explore the presentation, causes and investigations for a child with a tonsil rebleed
2. The rapid sequence intubation (RSI) will be dissected to understand how it should be performed and what might go wrong
3. The attendee will provide a differential diagnosis for the child: whose airway cannot be intubated, who does not recover after tonsillectomy as expected

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Jerry Lerman (USA)

Mediastinal mass - all that wheezes is not asthma!

Case:
3 year old child scheduled for biopsy of anterior mediastinal mass following a 1 month history of cough, wheezing and breathlessness.

Objectives:

1. Review the differential diagnosis of wheezing and pathophysiology of an enlarging anterior mediastinal mass
2. Conduct preoperative risk assessment in terms of cardiovascular and airway compromise during anaesthesia management of the child with an anterior mediastinal mass
3. Discuss anaesthesia options for biopsy for diagnosis or resection as part of treatment in a child with mediastinal mass; backup plans when things go wrong
4. Importance of interdisciplinary collaboration in the management of anterior mediastinal mass

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Josephine Tan (Singapore)
**WORKSHOPS & PBLDs PROGRAMME**

**PAIN WORKSHOP**
Thursday 01 September 2016

**Health Qigong (Baduanjin) for pain - from theory to practice**
In traditional Chinese medicine, Health Qigong has long been regarded as a form of “mind-body” intervention, which simultaneously exercises the “mind” and the “body” for treating various chronic diseases and promoting healthy lifestyle.

In view of its safety, simplicity to learn, minimal cost and potential clinical benefits, Health Qigong can be advocated as an adjunct therapy for patients especially elderly with chronic conditions like chronic pain, depression, etc.

The workshop on Health Qigong (Baduanjin) consists of an introductory talk covering theory, current clinical evidence and applications (25min), demonstration by Health Qigong coaches (20min), and practice under guidance of coaches (45min).

After attending the workshop, the participants will be able to
1. appreciate the current concept, clinical evidence and applications
2. learn the principles, and
3. acquire basic skills in practicing Health Qigong (Baduanjin)

Fee: USD 15.00
Limited to 40 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

**PERIOPERATIVE MEDICINE PBLDS**
Monday 29 August 2016

**Multi-disciplinary co-management of complex patients with diabetes**

**Learning objectives:**
1. Understand comorbidity associated with diabetes
2. Learn to use glycated haemoglobin as a triage tool
3. Use preoperative assessment to guide multidisciplinary perioperative management
4. Consider different approaches to managing perioperative insulin and blood sugar

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Speaker: David Story (Australia)

**Identifying high risk elderly patients - what can be done?**

**Learning objectives:**
1. Discuss the American Geriatrics/American College of Surgeons recommendations for preoperative assessment of the elderly patient
2. Understand the potential impact of preoperative frailty in the elderly
3. Utilize the 2014 Delirium Guidelines to manage patients at risk for postoperative delirium
4. Optimize anaesthetic technique in light of geriatric physiology

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Stacie Deiner (USA)
WORKSHOPS & PBLDs PROGRAMME

16:00 - 17:15 ................................................................. N105

Re-engineering the preoperative pathway

Learning objectives:
1. Describe and differentiate between the different aims of the preoperative pathway: risk evaluation, comorbidity management, shared decision making, lifestyle modification/prehabilitation
2. Describe and discuss how the timing of delivery of these aims within the preoperative pathway may be altered for patient benefit
3. Describe and discuss how these aims of the preoperative pathway can be delivered together or separately in different environments during the preoperative pathway (e.g. home, primary care, secondary care, other facilities)
4. Comment on the feasibility of giving patients greater control over their preoperative journey
5. Contribute to the re-engineering of local preoperative pathways.

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Facilitator: Mike Grocott (United Kingdom)

16:00 - 17:15 ................................................................. N106

Preoperative anaemia

Learning objectives:
1. Understand the criteria for when perioperative anaemia should be investigated, decision algorithms will be presented
2. Recognise potential surgeries where preoperatively anaemia may increase transfusion risk
3. Evaluate therapies that can elevate haemoglobin, when they can be used to improve postoperative outcome, their risks and benefits

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Facilitator: Kerry Gunn (New Zealand)

16:00 - 17:15 ................................................................. N107

Preoperative fasting and metabolic preparation for surgery

Learning objectives:
1. Understand the adverse effects of fasting and dehydration
2. Review College and Society guidelines on preoperative fasting
3. Describe how enhanced nutrition and metabolic preparation can reduce surgical risk
4. Review key recommendations the ERAS Society

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Olle Ljungqvist (Sweden)

16:00 - 17:15 ................................................................. N108

Preoperative risk assessment

Learning objectives:
1. Have a general understanding of the methods used for risk assessment (e.g. exercise testing, risk scoring)
2. Appreciate the strengths and limitations of specific risk assessment tools
3. Develop an evidence-based approach to the practical application of risk assessment in perioperative practice

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Ramani Moonesinghe (United Kingdom)

16:00 - 17:15 ................................................................. N109

Fast-track ambulatory surgery

Learning objectives:
1. To discuss the importance of choosing an optimal anaesthetic technique for ambulatory surgery and why this is important for fast tracking patients
2. Consider the role of the anesthesiologist as the key perioperative physician
3. Critique clinical decision-making for safe and efficient surgical care
4. Explain why anesthesiologists should be more involved and have an active role in the perioperative process, especially in developing countries

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Futility and end-of-life care in the perioperative period

Learning objectives:
1. Definition of end of life, palliation, and futility
2. Patient assessment, to determine their values, goals
3. Risk vs. benefit analysis to plan treatment
4. An introduction to methods of communication with patients approaching an end of life decision
5. The role of advance care planning

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Mark Shulman (Australia)

Cardiopulmonary exercise testing - interpretation and clinical value

Learning objectives:
1. Understand the principles and practice of CPET
2. Develop a strategy for interpreting the main test results
3. Understand the implications of CPET in perioperative patient management
4. Apply the knowledge to clinical scenarios and environments
5. Understand the implications for preoperative intervention

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Chris Snowden (United Kingdom)

Monitoring neuromuscular block

This workshop will provide state-of-the-art knowledge on neuromuscular monitoring during all phases of neuromuscular block, that is during onset, deep and shallow block, and finally how to assess return to normal neuromuscular function to avoid residual neuromuscular block.

The objectives are to review the basic principals, routine applications, common pitfalls and recommendations for routine use of neuromuscular monitoring in the perioperative period.

Fee: USD 30.00
Limited to 40 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Lars Eriksson (Sweden)
A simulation-based workshop to understand anesthetic drug interactions

An interactive review of inhalation-opioid and sedative-opioid interactions for selected drug effects.

**Format:**
In this 90 minute workshop, participants will be divided into groups of 3-5 participants and be assigned a set of questions to discuss among their group and then present to all workshop participants.

**Objectives:**
1. Understand how anesthetic drug interactions are characterized and their assumptions and limitations
2. Review the interaction profiles relevant to anesthetic practice
3. Explore selected anesthetic drug interactions for common dosing regimens

**Fee:** USD 15.00
**Limited to 30 participants**
**Pre-registration required on a first-come-first-served basis.**

Lead Instructor: Ken Johnson (USA)
Facilitators: Joseph F. Foss (USA)

**PHARMACOLOGY PBLDS**

**Monday 29 August 2016**

**14:00 - 15:30**

Optimal dosing i.v. anaesthetics in obesity

**Fee:** USD 15.00
**Limited to 30 participants**
**Pre-registration required on a first-come-first-served basis.**

Facilitator: Frederique Servin (France)

**REGIONAL ANAESTHESIA WORKSHOPS**

**Sunday 28 August 2016**

**15:30 - 17:00**

Upper extremity nerve block techniques I: interscalene and supraclavicular approach

The aim of this workshop is to provide participants with a basic knowledge of brachial plexus block (interscalene and supraclavicular approach). This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

**Fee:** USD 80.00
**Limited to 12 participants**
**Pre-registration required on a first-come-first-served basis.**
**Please check availability at the registration counter**

Facilitators: Olivier Choquet (France), Balavenkat Subramanian (India)

**15:30 - 17:00**

Upper extremity nerve block techniques II: infraclavicular and axillary approach

The aim of this workshop is to provide participants with a basic knowledge of brachial plexus block (infraclavicular and axillary approach). This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

**Fee:** USD 80.00
**Limited to 12 participants**
**Pre-registration required on a first-come-first-served basis.**
**Please check availability at the registration counter**

Facilitators: Yavuz Gurkan (Turkey), Tariq Alzahran (Saudi Arabia)

**15:30 - 17:00**

Lower extremity nerve block techniques I: femoral nerve block, fascial iliaca, lateral femoral cutaneous nerve, and obturator nerve block

The aim of this workshop is to provide participants with a basic knowledge of femoral nerve block, fascial iliaca, lateral femoral cutaneous nerve, and obturator nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be
WORKSHOPS & PBLDs PROGRAMME

provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitators: David Otieno (Kenya), Kwong-Ung Ling (Malaysia)

15:30 - 17:00 ................................................. S225

Lower extremity nerve block technique II: popliteal sciatic nerve block, saphenous nerve and ankle block

The aim of this workshop is to provide participants with a basic knowledge of popliteal sciatic nerve block, saphenous nerve and ankle block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitators: Alain Delbos (France), Kishor Gandhi (USA)

15:30 - 17:00 ................................................. S226

Peripheral nerve block for chest wall surgery (PECS, serratus plane and thoracic paravertebral block)

The aim of this workshop is to provide participants with a basic knowledge of PECS, serratus plane and thoracic paravertebral. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitators: Rafael Blanco (UAE), Philippe Gautier (Belgium)

15:30 - 17:00 ................................................. S227

Peripheral nerve blocks that every anaesthesiologist should be able to perform: brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block

The aim of this workshop is to provide participants with a basic knowledge of peripheral nerve blocks that are commonly performed, including brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Registration on a first-come-first-served basis is required via the online registration system.

Facilitators: Peter Marhofer (Austria), Christopher Robards (USA), Ammar Salti (UAE)

15:30 - 17:00 ................................................. S228

Abdominal wall blocks (TAP, quadratus lumborum, rectus sheath, ilioinguinal and iliohypogastric nerve block)

The aim of this workshop is to provide participants with a basic knowledge of Abdominal wall blocks (TAP, quadratus lumborum, rectus sheath, ilioinguinal and iliohypogastric nerve block). This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitators: Michael Barrington (Australia), Pry Pyrambodho (Indonesia)

15:30 - 17:00 ................................................. S229

Ultrasound for central neuraxial blocks - the basics (includes thoracic, lumbar and sacral spine)

The aim of this workshop is to provide participants with a basic knowledge of ultrasound for central neuraxial blocks – includes thoracic, lumbar and sacral spine. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
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Facilitators: Luc Sermeus (Belgium), Maria F. Rojas-Gomez (Colombia)

Monday 29 August 2016

10:45 - 12:15

Upper extremity nerve block techniques I: interscalene and supraclavicular approach

The aim of this workshop is to provide participants with a basic knowledge of brachial plexus block (interscalene and supraclavicular approach). This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Francois Retief (South Africa), Jaime Baratta (USA), Tariq Alzahran (Saudi Arabia)

10:45 - 12:15

Upper extremity nerve block techniques II: infraclavicular and axillary approach

The aim of this workshop is to provide participants with a basic knowledge of Brachial Plexus Block (Infraclavicular and Axillary Approach). This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Sebastian Bloc (France), Poupak Rahimzadeh (Iran)

10:45 - 12:15

Lower extremity nerve block techniques I: femoral nerve block, fascial iliaca, lateral femoral cutaneous nerve, and obturator nerve block

The aim of this workshop is to provide participants with a basic knowledge of femoral nerve block, fascial iliaca, lateral femoral cutaneous nerve, and obturator nerve block.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Meg Rosenblatt (USA), Shahridan Fathil (Singapore)

10:45 - 12:15

Lower extremity nerve block techniques II: popliteal sciatic nerve block, saphenous nerve and ankle block

The aim of this workshop is to provide participants with a basic knowledge of popliteal sciatic nerve block, saphenous nerve and ankle block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Xavier Sala-Blanch (Spain), Alain Delbos (France)

10:45 - 12:15

Peripheral nerve blocks that every anaesthesiologist should be able to perform: brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block

The aim of this workshop is to provide participants with a basic knowledge of peripheral nerve blocks that are commonly performed, including brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitators: Paul Kessler (Germany), Penafancia C. Cano (Philippines)
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10:45 - 12:15.............................................................S227

Peripheral nerve block for chest wall surgery (PECS, serratus plane and thoracic paravertebral block)

The aim of this workshop is to provide participants with a basic knowledge of PECS, serratus plane and thoracic paravertebral block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Rafael Blanco (UAE), Yasukuki Shibata (Japan)

10:45 - 12:15.............................................................S228

Abdominal wall blocks (TAP, quadratus lumborum, rectus sheath, ilioinguinal and iliohypogastric nerve block)

The aim of this workshop is to provide participants with a basic knowledge of Abdominal wall blocks (TAP, quadratus lumborum, rectus sheath, ilioinguinal and iliohypogastric nerve block). This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Shinichi Sakura (Japan), Clara Lobo (Portugal)

10:45 - 12:15.............................................................S229

Ultrasound for central neuraxial blocks - the basics (includes thoracic, lumbar and sacral spine)

The aim of this workshop is to provide participants with a basic knowledge of ultrasound for central neuraxial blocks – includes thoracic, lumbar and sacral spine. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Maria F. Rojas-Gomez (Colombia), Luc Sermeus (Belgium)

10:45 - 12:15.............................................................S230

Ultrason procedures for chronic pain: hydrodissection of common nerve entrapments - upper extremity, cervical and thoracic region

The workshop will discuss musculoskeletal sonoanatomy relevant for performing nerve hydrodissection to treat common nerve entrapments in upper limb, cervical and thoracic region. Examples are brachial plexus, cervical nerve roots, suprascapular nerve, greater occipital nerve, ulnar nerve – cubital tunnel, Guyton tunnel, etc. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Thomas Clark (USA), Stanley Lam

Tuesday 30 August 2016

16:00 - 17:30.............................................................S222

Peripheral nerve blocks that every anaesthesiologist should be able to perform: brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block

The aim of this workshop is to provide participants with a basic knowledge of peripheral nerve blocks that are commonly performed, including brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Pankaj Kundra (India), Jaime Baratta (USA)
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16:00 - 17:30 ................................................................. S223

Advanced ultrasound guided peripheral nerve block techniques (lumbar plexus, thoracic paravertebral, parasacral sciatic nerve block)

The aim of this workshop is to provide participants with knowledge of lumbar plexus, thoracic paravertebral, parasacral sciatic nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Vincent Chan (Canada), Christopher Robards (USA)

16:00 - 17:30 ................................................................. S224

Ultrasound for central neuraxial blocks - the basics (includes thoracic, lumbar and sacral spine)

The aim of this workshop is to provide participants with a basic knowledge of ultrasound for central neuraxial blocks, including thoracic, lumbar and sacral spine. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Luc Sermeus (Belgium), Wing-Hong Kwok (Hong Kong)

16:00 - 17:30 ................................................................. S225

Master class: regional anaesthesia for major breast surgery (includes multilevel ultrasound guided thoracic paravertebral and PECS block)

The aim of this master class is to provide participants with a basic knowledge of regional anaesthesia for major breast surgery (includes multilevel ultrasound guided thoracic paravertebral and PECS block). This will be a master class with mini-lectures and expert demonstration of techniques.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Darcy J. Price (New Zealand), Balavenkat Subramanian (India)

16:00 - 17:30 ................................................................. S226

Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Manoj Karmakar (Hong Kong), Banchobporn Songthamwat (Thailand)

16:00 - 17:30 ................................................................. S227

Master class: sciatic nerve block techniques - from parasacral to popliteal sciatic nerve block

The aim of this master class is to provide participants with a basic knowledge of sciatic nerve block techniques: from parasacral to popliteal sciatic nerve block. This will be a master class with mini-lectures and expert demonstration of techniques.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Xavier Sala-Blanch (Spain), Kishor Gandhi (USA)

16:00 - 17:30 ................................................................. S228

Master class: quadratus lumborum and lumbar plexus block

The aim of this master class is to provide participants with a basic knowledge of quadratus lumborum and lumbar plexus block. This will be a master class with mini-lectures and expert demonstration of techniques.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
Facilitators: Jens Borglum (Denmark), Ban Tsui (Canada)
Regional anaesthesia for ophthalmic surgery

The aim of this workshop is to provide participants with a basic knowledge of regional anaesthesia for ophthalmic surgery. This will be a workshop with mini-lecture, video presentation and hand-on practice using animal eye model.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Chandra Kumar (Singapore), Steve Gayer (USA), Ezzat Azziz (Egypt)

Ultrasound procedures for chronic pain: hydrodissection of common nerve entrapments - lower extremity, pelvis and lumbar spine

The workshop will discuss musculoskeletal sonoanatomy relevant for performing nerve hydrodissection to treat common nerve entrapments in lower limb, pelvis and lumbar region. Examples are ilioinguinal nerve, lumbar nerve roots, sacral plexus, saphenous nerve, obturator nerve, deep peroneal nerve, etc… This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Thomas Clark (USA), Stanley Lam

Peripheral nerve blocks that every anaesthesiologist should be able to perform: brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block

The aim of this workshop is to provide participants with a basic knowledge of peripheral nerve blocks that are commonly performed, including brachial plexus (interscalene and axillary), femoral nerve and popliteal sciatic nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Manoj Karmakar (Hong Kong), Banchobporn Songthamwat (Thailand)

Advanced ultrasound guided peripheral nerve block techniques (lumbar plexus, thoracic paravertebral, parasacral sciatic nerve block)

The aim of this workshop is to provide participants with knowledge of lumbar plexus, thoracic paravertebral, parasacral sciatic nerve block. This will be a hand-on workshop with ultrasound scanning practices on human volunteer models. Two models will be provided so that participants can be divided into groups to maximize the hand-on practices.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Vincent Chan (Canada), Philippe Gautier (Belgium)

Master class: the costoclavicular approach for infraclavicular brachial plexus block

The aim of this master class is to provide participants with a basic knowledge of a novel technique of performing single shot or continuous infraclavicular brachial plexus block at a proximal site. There with mini-lectures and expert demonstration of the techniques. Pros and Cons of this technique will be discussed.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Manoj Karmakar (Hong Kong), Banchobporn Songthamwat (Thailand)

Master class: suprasacral parallel shift technique for lumbar plexus and lumbosacral trunk nerve block

The aim of this master class is to provide participants with a basic knowledge of a new, novel and unique technique of blocking the lumbosacral trunk and the sacral plexus using a single injection. This will be a master class with mini-lec-
WORKSHOPS & PBLDs PROGRAMME

tures and expert demonstration of the techniques.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Jens Borglum (Denmark)

08:30 - 10:00 ......................................................... S226

Master class: regional anaesthesia for shoulder surgery (interscalene brachial plexus block, axillary nerve block, shoulder block)
The aim of this master class is to provide participants with a basic knowledge of master class on regional anaesthesia for shoulder surgery (interscalene brachial plexus block, axillary nerve block, shoulder block). This will be a master class with mini-lectures and expert demonstration of the techniques.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Darcy J. Price (New Zealand), Ali Shariat (USA)

08:30 - 10:00 ......................................................... S227

Master class: ultrasound for ankle block
The aim of this master class is to provide participants with a basic knowledge of ultrasound for ankle block. This will be a master class with mini-lectures and expert demonstration of techniques.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Suwimon Tangwiwat (Thailand), Penafriancia C. Cano (Philippines)

08:30 - 10:00 ......................................................... S228

Workshop series 4: regional anaesthesia for ophthalmic surgery
The aim of this workshop is to provide participants with a basic knowledge of regional anaesthesia for ophthalmic surgery. This will be a workshop with mini-lecture, video presentation and hand-on practice using animal eye model.

Fee: USD 80.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Chandra Kumar (Singapore), Ezzat Azziz (Egypt), Philip Guise (New Zealand)

08:30 - 10:00 ......................................................... S229

Master class: ultrasound for central neuraxial block in patient with difficult spine (obese, scoliosis, and instrumented backs)
The aim of this master class is to provide participants with a basic knowledge of ultrasound for central neuraxial block in patient with difficult spine (obese, scoliosis, and instrumented backs). This will be a master class with mini-lectures and expert demonstration of ultrasound scanning on patients models.

Fee: USD 50.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitators: Wing-Hong Kwok (Hong Kong), Luc Sermeus (Belgium)

RESPIRATION AND AIRWAY WORKSHOPS

Sunday, August 28, 2016

11:00 - 12:30 ......................................................... S425

Workshop Airway: US (Ultrasound)
Description:
- to learn how to use ultrasound to identify airway structures
- identify lung movement and exclude pneumothorax
- to recognize endobronchial intubation and one lung ventilation

Fee: USD 60.00
Limited to 20 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Organiser: Wendy Teoh (Singapore)
Faculty: Michael Kristensen (Denmark), Wendy Teoh (Singapore)

13:00 - 15:00 ......................................................... S426-427

Workshop A: Thoracic anaesthesia
The workshop will consist of a series of mini lectures followed by hands on demonstration stations that are equipped with fiberoptic bronchoscope, video cameras, mannequins, lung models, double lumen tubes and endobronchial blockers.

A torso model would be used for the practice of thoracic
epidural.

Finally there will be a live model for practicing paravertebral block with sonography.

Fee: USD 50.00
Limited to 50 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Organiser: Edmond Cohen (USA)
Faculty: Randal Blank (USA), Dawn Desiderio (USA), Jigeeshu V. Divatia (India), Mohamed El-Tahan (Egypt), Andrew Levin (South Africa), Nandor Marczin (United Kingdom), Cesar Rodriguez (USA), Mert Senturk (Turkey), Peter Slinger (Canada), Laszlo Szegedi (Belgium)

15:30 - 17:00
Airway: VL (Videolaryngoscopy)
Objectives:
- to understand the different classes of videolaryngoscopes
- to learn the techniques required to perform intubation successfully & determine which device is best suited to your practice and budget

Fee: USD 30.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Organiser: Irene Osborn (USA)
Faculty: Irene Osborn (USA), Richard Cooper (Canada), Friedrich Pühringer (Germany), Anil Patel (United Kingdom), Sheila Myatra (India), Wendy Teoh (Singapore)

Tuesday 30 August 2016

14:00 - 15:30
Airway: FOB (Fiberoptic bronchoscopy)
Learning objectives:
to know how to use fiberoptic bronchoscopy for oral/nasal intubation, fiberoptic intubation via supraglottic devices; and to improve FOB skills using simulators

Fee: USD 30.00
Limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Organiser: Ellen O’Sullivan (Ireland)

14:00 Oral/nasal Intubation
Richard Cooper (Canada), Ellen O’Sullivan (Ireland)

14:00 Fiberoptic intubation through supraglottic devices
Friedrich Pühringer (Germany), Michael Margarson (United Kingdom)

14:00 Use of simulators/trainer models to enhance fiberoptic intubation skills
Paul Baker (New Zealand), Anil Patel (United Kingdom), Alex Wan (Hong Kong)
Airway: SA (Surgical Airway), cricothyroidotomy and percutaneous tracheostomy

Course Overview and target audience
This workshop will provide anaesthetists, interested intensivists and emergency medicine physicians an overview of current concepts, techniques and devices available in the management of the surgical airway.

The workshop will include:
- Early recognition and indications for the need for an emergency front of neck access
- Review of the current unanticipated difficult airway algorithms
- Understand the differences between elective tracheostomy and emergency surgical airway
- Identify the anatomical landmarks for carrying out a needle/surgical cricothyroidotomy and percutaneous tracheostomy, including transtracheal jet ventilation and practice these techniques on manikins

Delegates will rotate at 3 workstations (30 mins each)
Faculty will demonstrate the techniques for 5-10 mins followed by hands on session for the delegates.

Fee: USD 50.00
Limited to 25 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Organiser: Sheila Myatra (India)

Station 1 Needle and surgical cricothyroidotomy
Paul Baker (New Zealand), Michael Kristensen (Denmark)

Station 2 Wide bore cannula cricothyroidotomy
Jigeeshu V. Divatia (India), Massimiliano Sorbello (Italy)

Station 3 Percutaneous tracheostomy
Michael Margarson (United Kingdom), Sheila Myatra (India)

RESPIRATION AND AIRWAY
PBLDs
Monday 29 August 2016

Thoracic 1: Thymectomy

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Randal Blank (USA)

Thoracic 2: Endoscopic treatment of chronic obstructive pulmonary disease (COPD)

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Edmond Cohen (USA)

Thoracic 3: Pneumonectomy

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Dawn Desiderio (USA)

Thoracic 4: Esophagectomy

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Mohamed El-Tahan (Egypt)

Thoracic 5: Lung transplantation

Fee: USD 15.00
Limited to 12 participants
Registration on a first-come-first-served basis is required via the online registration system.

Facilitator: Nandor Marczin (United Kingdom)

Thoracic 6: Patient with severe lung disease

Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Facilitator: Mert Senturk (Turkey)
WORKSHOPS & PBLDs PROGRAMME

14:00 - 15:15 ........................................... N108

Airway 1: Congenital mandibular hypoplasia
Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Paul Baker (New Zealand)

14:00 - 15:15 ........................................... N109

Airway 2: Retrosternal goiter
Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Jigeeshu V. Divatia (India)

14:00 - 15:15 ........................................... N110

Airway 3: Cannot intubate cannot ventilate
Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Michael Kristensen (Denmark)

14:00 - 15:15 ........................................... N111

Airway 4: Difficult airway stat C-section
Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Massimiliano Sorbello (Italy)

14:00 - 15:15 ........................................... N112

Airway 5: Maxillofacial trauma
Fee: USD 15.00
Limited to 12 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Facilitator: Anil Patel (United Kingdom)

SAFETY AND QUALITY WORKSHOPS

Monday 29 August

10:45-12:15 ........................................... N102

Workshop: Standards & Models for non-physician anesthesia training in low income countries
Chairs: Michael Lipnick (United States), Steve Ttendo (Uganda), Fred Bulamba (Uganda)
Fee: Free of charge
This workshop is limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter

Thursday 01 September 2016

08:30 - 12:00 ........................................... N106-108

Assessing gaps and developing capacity, with Atul Gawande and Lifebox
Registration on a first-come-first-served basis is required via the online registration system.
Co-Chairs: Atul Gawande (USA), Alan Merry (New Zealand)
08:30  Regional perspective - Africa
   Oyebola Adekola (Nigeria)
08:30  Regional perspective - Africa
   Madhu Patel (Kenya)
08:30  Regional perspective - Asia
   Ganbold Lundeg (Mongolia)
08:30  Regional perspective - Asia
   Rob McDougall (Australia)
08:30  Regional perspective - Latin America
   Carolina Haylock Loor (Honduras)

14:00 - 15:30 ........................................... N106-108

Lifebox - Train the trainers
This workshop is aimed at colleagues wishing to deliver Lifebox training in low- and middle-income countries. The session will include an overview of the Lifebox approach to education, a thorough introduction to the training materials available and a discussion of how these can be delivered in a range of settings. At the conclusion of the workshop, participants will be confident in their ability to teach the materials.
Fee: Free of charge
This workshop is limited to 30 participants
Pre-registration required on a first-come-first-served basis.
Please check availability at the registration counter
Chair: Isabeau Walker (United Kingdom), Maytinee Lilaonitkul (United Kingdom), Queeneth Kalu (Nigeria)
**WORKSHOPS & PBLDs PROGRAMME**

**Friday 02 September 2016**

- **08:30-10:00** ............................................................ N104-105

  **Ethical issues in global anaesthesia**
  Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
  Chairs: Gerald Dubowitz (USA), Anthony Roche (USA), Mary Nabukenya (Uganda)

- **10:30-12:00** ............................................................ N104-105

  **Safety and education in low- and middle-income countries case studies in anaesthesia**
  Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
  Chairs: Gerald Dubowitz (USA), Anthony Roche (USA), Mary Nabukenya (Uganda)

**SAFETY AND QUALITY PBLDS**

**Thursday 01 September 2016**

- **16:00 - 17:15** ............................................................ N109

  **Lifebox: My surgeon refuses to use the surgical safety checklist and I’m sure we’ll operate on the wrong side. What can I do? (FRENCH session)**
  Fee: USD 15.00
  Limited to 12 participants
  Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
  Moderators: Cheik Bougouma (Burkina Faso), Angela Enright (Canada)

- **16:00 - 17:15** ............................................................ N110

  **Lifebox: My surgeon refuses to use the surgical safety checklist and I’m sure we’ll operate on the wrong side. What can I do? (CHINESE session)**
  Fee: USD 15.00
  Limited to 12 participants
  Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
  Moderator: Jing Zhao (China)

- **16:00 - 17:15** ............................................................ N111

  **Malignant hyperthermia**
  Fee: USD 15.00
  Limited to 12 participants
  Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
  Facilitator: Cathy Cao (USA)

- **16:00 - 17:15** ............................................................ N112

  **I want to develop a quality management program**
  Fee: USD 15.00
  Limited to 12 participants
  Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter
  Facilitator: Johannes Wacker (Switzerland)
WORKSHOPS & PBLDs PROGRAMME

TECHNOLOGY WORKSHOPS

Monday 29 August 2016

08:30 - 10:00 .......................................................... N104

Apps and other information devices for anaesthesia

Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Chair: Michel Struys (Netherlands)
Facilitator: David Chong (Hong Kong)

08:30 - 10:00 .......................................................... N109

How do I build the perfect anaesthesia ventilator?

Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Facilitator: Jan Hendrickx (Belgium)

10:45 - 12:15 .......................................................... N107

Measuring electroencephalography (EEG) during anaesthesia

Pre-registration required on a first-come-first-served basis. Please check availability at the registration counter

Chair: Michel Struys (Netherlands)

10:45 How to obtain an accurate EEG signal?
Erik Weber Jensen (Spain)

10:45 Interpreting EEG during anaesthesia?
Patrick Purdon (USA)
ePOSTER DISCUSSIONS

AMBULATORY

Moderators: Chew-Yin Wang (Malaysia), Beverly Philip (USA), Peter Kranke (Germany), Gwen Fok (Hong Kong), Girish Joshi (USA), Richard Urman (USA)

PR001 AMBULATORY ANAESTHESIA IN RWANDA: INITIAL REPORT OF THE FIRST PROSPECTIVE DATABASE
C. Niyibogora*, M. Beach, J. D. Uwambazimana (Rwanda)

PR003 PROSPECTIVE EVALUATIVE STUDY: SAFETY & EFFECTIVENESS OF QUESTIONNAIRE-BASED PRE-ANAESTHESIA ASSESSMENT FOR 4081 ENDOSCOPY PATIENTS UNDER MONITORED ANAESTHESIA CARE (MAC) IN CHINA
X. Yan*, Y. Chan, V. Yuen, H. Xia on behalf of Department of Anaesthesiology department University of Hong Kong-Shenzhen hospital (China)

PC001 SPINAL ANAESTHESIA RECOVERY TIME OF BRACHYTHERAPY OUTPATIENT CLINIC: COMPARISON OF 5 MG HYPERBARIC LEVOBUPIVACAINE + 25 MCG FENTANYL AND 5 MG HYPERBARIC BUPIVACAINE+ 25 MCG FENTANYL
F. Agnesha*, A. R. Tantri (Indonesia)

PC002 ANAESTHESIA FOR ESOPHAGEAL DILATION PROCEDURE IN A WORLD GASTROENTEROLOGY ORGANIZING ENDOSCOPY TRAINING CENTER
S. Amornyotin*, S. Kongphlay (Thailand)

PC003 DEXAMETHASONE IN PREVENTION OF POSTOPERATIVE NAUSEA AND VOMITING AFTER LAPAROSCOPIC GYNECOLOGY INTERVENTIONS
V. Bozinovska*, D. Karadjova (Macedonia)

PC004 EFFICACY OF DEXMEDETOMIDINE AS AN ANAESTHETIC ADJUVANT IN BREAST CANCER SURGERY AS A DAY CARE PROCEDURE
R. Das*, U. Hansda, R. Das (India)

PC005 GENERAL ANAESTHESIA IN CASE OF COMPLICATIONS DURING AMBULATORY OPHTHALMIC SURGERY
I. E. Idov*, P. M. Rylov (Russia)

PC006 ANALGOSEDATION WITH DEXMEDETOMIDINE DURING ANAESTHESIA IN OPHTHALMIC SURGERY
I. E. Idov*, P. M. Rylov (Russia)

PC007 ANAESTHESIA FOR AMBULATORY PAEDIATRIC SURGERY IN SUB-SAHARAN AFRICA: A PILOT STUDY IN BURKINA FASO
F. A. Kaboré*, Y. Kabré, I. Traoré, B. K. Ki, C. T. Bougouma, I. A. Traoré, N. Ouédraogo (Burkina Faso)

PC008 POSTOPERATIVE CLINICAL OUTCOMES AND INFLAMMATORY MARKERS AFTER INGUINAL HERNIA REPAIR WITH LOCAL OR SPINAL OR GENERAL ANAESTHESIA: A RANDOMIZED TRIAL
M. Wongyingsinn, P. Kohmongkoludom*, N. Horthongkham, A. Trakarnsanga (Thailand)

PC009 PATIENT-CONTROLLED SEDATION AND TARGET-CONTROLLED INFUSION OF PROPOFOL VERSUS CONVENTIONAL SEDATION FOR OUTPATIENT COLONOSCOPY
W. S. Tea, W. R. Wan Mat, N. Md Nor, A. Mohammad Yusof*, A. Masdar, R. Abdul Rahman, C. Y. Lee (Malaysia)

PC010 A NOVEL NASAL PAP MASK ASSEMBLY MAINTAINED CONTINUOUS OXYGENATION IN AN OVER-WEIGHT PATIENT UNDERGOING INSERTION OF AN INTRA-GASTRIC BALLOON PUMP
J. T. Tse*, B. R. Landgraf, M. A. Woo, A. Ocampo-Salazar, S. Barsoum (USA)

PC011 CASE REPORT; INTRAVASCULAR ABSORPTION SYNDROME; HYSTEROSCOPY IS NOT SO INNOCENT!
S. Z. Ustalar Ozgen*, F. Toraman, M. Adil, B. Cigdem (Turkey)

PC012 LOW DOSE BUPIVACAINE-A COMPARISON OF 7.5 MG VS 10 MG WITH FENTANYL FOR SPINAL ANAESTHESIA IN AMBULATORY INGUINAL HERNIA REPAIR SURGERIES: A RETROSPECTIVE ANALYSIS
D. Vadivel*, S. Salgoankar (India)

PC013 SEDATION USING ETOMIDATE BEFORE PROPOFOL DURING COLONOSCOPY PROMOTES THE CIRCULATORY STABILITY: A PROSPECTIVE RANDOMIZED STUDY
X. Wang*, Y. Kang (China)

PC014 COMPARATIVE STUDY OF SEDATION REGIMENS USING ETOMIDATE AND PROPOFOL UNDER MONITORING OF BISPECTRAL INDEX DURING GASTROSCOPY
X. Wang*, Y. Kang (China)

PC014B RELATIONSHIP BETWEEN PREOPERATIVE RINGER’S LACTATE SOLUTION ADMINISTRATION WITH POSTOPERATIVE NAUSEA-VOMITING (PONV) INCIDENCE
E. I. Gracia Sitorus, A. Primaputra Lubis* (Indonesia)
ARTS AND HUMANITIES

Moderators: Andrew Morley (United Kingdom), David Waisel (USA), Phillipe Scherpereel (France), Xinhua Heng (China), Kentaro Dote (Japan), Rajesh Haridas (Australia)

PR004 THE PROBLEM OF CONSENT IN INTENSIVE CARE RESEARCH: EVALUATION OF ALTERNATIVE APPROACHES
P. Au-Yeung* (Hong Kong)

PR005 THE IMPACT OF ANAESTHESIA & INTENSIVE CARE TRAINING BY THE UNIVERSITY OF THE WEST INDIES IN TRINIDAD & TOBAGO
D. Chen*, S. Hanharan (Trinidad and Tobago)

PR006 GENERAL ANAESTHESIA WAS PERFORMED THROUGHOUT JAPAN BY 1830S
A. Konishi*, K. Dote, K. Ikemune, Y. Desaki, T. Nishihara, S. Kitamura, T. Yorozuya (Japan)

PR007 THE WORLD WAR ONE MILITARY SERVICE OF PAUL M. WOOD
A. L. Kovac* (USA)

PR008 DR HAROLD GRIFFITH AND WFSA IN ASSOCIATION WITH FOUR PIONEER ANESTHESIOLOGISTS FROM JAPAN
N. Sugai* (Japan)

PR009 DR. NORMAN BETHUNE’S ANAESTHESIA CHALLENGES IN CHINA
K. E. Turner* (Canada)

CIRCULATION

Moderators: David Daly (Australia), David Scott (Australia), Stefan De Hert (Belgium), Peter Rosseel (Belgium), Carlos Galhardo (Brazil), Janet Martin (Canada), Annette Vegas (Canada), Lize Xiong (China), Yunxia Zuo (China), Michael Sander (Germany), Cindy Boom (Indonesia), Benjamin Drenger (Israel), Minoru Nomura (Japan), Jae-Hyon Bahk (Republic of Korea), Konstantin Lebedinski (Russia), Ulku Aypar (Turkey), Donna Greenhalgh (United Kingdom), Andrew Shaw (USA), Douglas Shook (USA)

PR010 PROCALCITONIN AS AN EARLY PREDICTOR OF SYSTEMIC INFLAMMATORY RESPONSE WITH OR WITHOUT INFECTION IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY
H. E. Mohamed, M. M. Ibrahim, M. S. Ali* (Egypt)

PR011 OUTCOMES OF IN-HOSPITAL CARDIAC ARREST IN A RESOURCE-LIMITED SETTING
D. Aryal*, B. D. Parajuli, S. P. Acharya, M. Marhatta (Nepal)

PR012 NON TRAUMATIC PREHOSPITAL SUDDEN CARDIAC ARREST IN ABIDJAN
P. Assouakon*, J. Sissoko, Y. D. Tetchi (Côte d’Ivoire)

PR013 TAKOTSUBO CARDIOMYOPATHY: A TEN- YEAR RETROSPECTIVE REVIEW OF THE CLINICAL COURSE AND OUTCOME AT A LARGE ACADEMIC MEDICAL CENTER
K. Ayabe*, E. Behringer (USA)

PR015 RENAL FUNCTION IN THE PERIOPERATIVE PERIOD OF CARDIAC SURGERY WITH CARDIOPULMONARY BY-PASS, IN NEWBORNS WITH COMPLEX CONGENITAL HEART DISEASES: USE OF THE BIOMARKER KIM-1
E. Borchert*, G. Lema, R. Jalil, A. M. Guzman, R. De La Fuente, M. Gomez, D. Fuentes (Chile)

PR016 ANESTHETIC MANAGEMENT OF A PATIENT WITH CARDIAC TAMPONADE
S. Desikan* (United Kingdom)

PR017 LIMITS OF HYPERVOLEMIC HEMODILUTION IN JEHOVAH’S WITNESSES PATIENTS
J. C. Diaz Martinez*, A. M. Diaz Martinez, G. Perez Villarejo (Spain)

PR018 EFFECT OF COLLOID VERSUS CRYSTALLOID ADMINISTRATION IN CARDIOPULMONARY BYPASS PRIME SOLUTION ON TISSUE AND ORGAN PERFUSION
M. J. Esmaeily* (Iran)

PR019 PRECONDITIONING EFFECT OF REMIFENTANIL ON MYOCARDIUM IN PATIENTS UNDERGOING ON-PUMP CORONARY ARTERY BYPASS GRAFT SURGERY
M. J. Esmaeily* (Iran)

PR020 SATISFACTION OF CARDIAC SURGEONS WITH CARDIAC ANAESTHESIA SERVICES: DEVELOPMENT AND VALIDATION OF A PILOT PSYCHOMETRIC QUESTIONNAIRE
R. Guhabiswas*, P. Narayan, E. Rupert (India)

PR021 NEUROPATHY MAY CONTRIBUTE TO INCREASE OF MYOCARDIAL VULNERABILITY IN DIABETIC RATS: VIA IMPAIRMENT OF HOMEOSTASIS OF CGRP AND SP IN MYOCARDIUM
Z. Guo*, T.-P. Li, C.-J. Liu, T. Sun (China)

PR022 EVALUATION OF A CAPNODYNAMIC METHOD FOR ESTIMATION OF EFFECTIVE PULMONARY BLOOD FLOW DURING HYPERCAPNIA
C. Hällsjö Sander*, T. Sigmundsson, T. Öhrman, H. Björne (Sweden)
ePOSTER DISCUSSIONS

**PR023** MICORNA-133B-5P PLAYS AN IMPORTANT ROLE IN HYPOXIA PRECONDITIONING-MEDIATED CARDIOPROTECTION IN H9C2 CELLS BY INHIBITING FAS AND CASPASE APOPTOSIS SIGNALING
S. He*, Z. Han, Y. Zhang (China)

**PR024** WHICH ACTIVATED CLOTTING TIME DEVICE FOR THROMBOCYTOSIS
G. Inangil*, O. Bakal, A. E. Yardekci, S. Deniz, S. Ozkan, H. Sen (Turkey)

**PR025** DETECTION OF SPINAL ANAESTHESIA EFFECT BY MEASURING A PULSE OXIMETER BASED TOES PERFUSION INDEX
S. Inoue*, M. Asamto, R. Oriti, Y. Yamada (Japan)

**PR026** GRADUAL CLAMPING REDUCED ISCHEMIA-REPERFUSION INJURY IN AN ISOLATED RAT HEART MODEL

**PR027** TRANSFUSION OF PRECONDITIONED PLASMA REDUCED INFARCT SIZE AFTER MYOCARDIAL ISCHEMIA-REPERFUSION AND ACTIVATED RISK PATHWAY IN RATS

**PR028** A SURVEY OF THE INCIDENCE AND CONSEQUENCES OF INVASIVE BLOOD PRESSURE MEASURING ERRORS CAUSED BY ARTERIAL LINE OCCLUSION

**PR029** EFFECT OF A HISTIDINE-TRYPTOPHAN-KETOGLUTARATE SOLUTION ON COAGULATION AS MEASURED BY A THROMBOELASTOGRAM
K. F. Kabambi*, G. Wilson, G. Wilson, G. Wilson (South Africa)

**PR030** CARDIAC ARREST IN PRONE POSITION; WHEN DO I MAKE PATIENT SUPINE?
J. Kaur*, D. Kane, S. Shinde, V. Dongre (India)

**PR031** BOTH DESFLURANE AND SEVOFLURANE INHIBIT ENDOTHELIOUM-DEPENDENT VASODILATION BY DIFFERENT MECHANISMS
S. Kazuma*, Y. Tokinaga, Y. Takada, S. Hayashi, M. Yamakage (Japan)

**PR032** EFFECT OF SEVOFLURANE AND DESFLURANE ON ROPIVACAINE-INDUCED CONTRACTION OF RAT AORTIC SMOOTH MUSCLE
M. Kimizu*, Y. Tokinaga, M. Yamakage (Japan)

**PR033** CONTINUOUS MONITORING OF LACTATE USING INTRAVASCULAR MICRODIALYSIS SYSTEM IN HIGH-RISK CARDIAC SURGERY: A PROSPECTIVE OBSERVATIONAL STUDY
M. Kirov* and P. I. Lenkin, A. A. Smetkin, A. Hussain, A. I. Lenkin, K. V. Paromov, A. A. Ushakov, M. M. Krygina, V. V. Kuzkov (Russia)

**PR034** COMPARISON BETWEEN CEREBROLYSIN AND CITICOLINE IN THE INCIDENCE OF POSTOPERATIVE DELIRIUM IN ADULT CARDIAC SURGICAL PATIENTS

**PR035** THE EFFECT OF DEXMEDETOMIDINE ON BAROREFLEX SENSIBILITY DURING GENERAL ANAESTHESIA
J. Li*, X. Liu, F. Kang, C. Tang (China)

**PR036** AN ANAESTHESIA CONUNDRUM - ONE LUNG VENTILATION IN A PATIENT WITH DOWN’S SYNDROME AND EISENMENGER SYNDROME.
M. Long*, L. K. Ti, H. Mithiran Muthiah (Singapore)

**PR037** BLOOD PRODUCT USE IN CARDIAC SURGERY WITH THE INTRODUCTION OF A THROMBOELASTOGRAPHY BASED TRANSFUSION ALGORITHM
M. Lukins*, J. Ennor (Australia)

**PR038** TAVI IN A REFERRAL CENTRE: LOCAL ANAESTHESIA WITH SEDATION SHORTENS PROCEDURE AND LENGTH OF STAY
A. M. D. V. Martins*, M. D. L. Castro (Portugal)

**PR039** PERFUSION INDEX REDUCTION AND ELEVATED LACTATE LEVELS ARE RELATED IN CARDIOVASCULAR SURGERY FOR PAEDIATRIC PATIENTS

**PR040** HYPOTENSION IN DIABETICS AT INDUCTION OF ANAESTHESIA - A PREDICTABLE PHENOMENON? PRELIMINARY DATA FROM AN ONGOING STUDY

**PR041** COMPARISON OF THE ARTERIAL AND CENTRAL VENOUS CANNULATION IN PALPATION AND ULTRASOUND-GUIDED TECHNIQUES
A. Tirnava, O. Bakal, A. E. Yardekci, G. Inangil, S. Deniz, S. Ozkan*, H. Sen (Turkey)

**PR042** DOES HYPERCOAGULATION DETECTED BY ROTATIONAL THROMBOELASTOGRAPHY (ROTEM) IMPROVE PREDICTION OF FREE FLAP THROMBOSIS IN MICROVASCULAR SURGERY PATIENTS?
A. Ozolina*, J. Stepanovs, V. Rovite, B. Mamaja, I. Vanags (Latvia)

**PR043** ASSESSMENT OF PREOPERATIVE THROMBOGENIC RISK FACTORS IN MICROVASCULAR FREE FLAP TRANSFER SURGERY
A. Ozolina*, J. Stepanovs, V. Rovite, B. Mamaja, I. Vanags (Latvia)
PR044  THE TENSION VALUE NEEDED TO INDUCE HINDLIMB ISCHEMIA AND THE RELIABILITY OF STRING TENSION BLOCKING METHOD TO ESTABLISH ISCHEMIA PRECONDITIONING MODEL IN RATS
F. Li, Y.-N. Pi*, Y. Zhao, Z.-N. Zheng, S.-Q. Jin (China)

PR045  COMPARATIVE EVALUATION OF LUNGS PROTECTION TECHNIQUES IN ADULTS WITH PULMONARY HYPERTENSION DURING OPEN HEART SURGERY
V. Pichugin*, S. Domnin, I. Kurapeev, V. Bober (Russia)

PR046  THE REVISED CARDIAC RISK INDEX OR THE VASCULAR STUDY GROUP OF NEW ENGLAND CARDIAC RISK INDEX IN PATIENTS UNDERGOING CAROTID ENDARTERECTOMY?
S. Popovic*, B. Kukic, K. Stevanovic, N. Kalezic, L. Davidovic (Serbia)

PR047  INTRAOPERATIVE HEMODYNAMIC STABILITY COMPARISON OF CAROTID ARTERY STENTING VERSUS CAROTID ENDARTERECTOMY IN PATIENTS WITH DIFFERENT DEGREE OF CARDIOVASCULAR DISEASE
S. Popovic*, B. Kukic, K. Stevanovic, I. Koncar, B. Lukic, N. Kalezic, L. Davidovic (Serbia)

PR048  EUROPEAN SCORE FOR CARDIAC OPERATIVE RISK EVALUATION (EUROSCORE) IN CARDIAC VALVULAR SURGERIES IN NEPAL
B. Pradhan* (Nepal)

PR049  EFFECTS OF INTRAVENOUS CLONIDINE OR DEXMEDETOMIDINE ON HEMODYNAMIC RESPONSES TO LARYNGOSCOPY AND TRACHEAL INTUBATION AND SEDATION: A RANDOMIZED DOUBLE BLIND CLINICAL EFFICACY STUDY
A. Samantaray*, S. Sunkesula, H. R. Mangu on behalf of Department of Anesthesiology and Critical Care, Sri Venkateswara Institute of Medical Sciences, Tirupati, India (India)

PR050  EVALUATION OF A CAPNODYNAMIC METHOD FOR MONITORING EFFECTIVE PULMONARY BLOOD FLOW IN AN ISCHEMIA AND REPERFUSION PORCINE MODEL

PR051  THE EFFECT OF OLEUROPEIN RICH DIET ON QTc INTERVAL IN ANESTHETIZED RABBITS

PR052  WHY AND HOW TO INCLUDE AN ANESTHESIOLOGIST IN ELECTROPHYSIOLOGY AND ELECTROSTIMULATION?
E. Taneva* (Bulgaria)

PR053  A CASE OF UNEVENTFUL THYROIDECTOMY IN IDIOPATHIC PULMONARY ARTERIAL HYPERTENSION. PERIOPERATIVE RISK AND MANAGEMENT
T. Terada*, S. Kessoku, A. Oiwa, N. Sato, R. Ochiai (Japan)

PR054  FAST AND FULL: EMERGENT PERICARDIAL WINDOW IN PATIENT WITH SEVERE MYASTHENIA GRAVIS & LARGE SYMPTOMATIC ANTERIOR MEDIASTINAL MASS
L. E. Tollinche* (USA)

PR055  ROLE OF AWAKE INTUBATION IN A KNOWN CASE OF CRITICAL SUPRAVALVULAR AORTIC STENOSIS (SVAS) FOR CESAREAN SECTION
R. Wankhede*, G. Maitra (India)

PR056  THE ANAESTHETIC CHALLENGE OF CO-EXISTING MYOTONIC DYSTROPHY AND AORTIC STENOSIS
L. Wee*, C. Groves (United Kingdom)

PR057  THE IMPACT OF INTRA-CARDIAC SHUNT ON THE PHARMACOKINETICS AND PHARMACODYNAMICS OF CIS-ATRACURIUM AMONG ADULT PATIENTS WITH CONGENITAL HEART DISEASES
X. Ye* (China)

PR058  THE ROLE OF THE PSYCHO-EMOTIONAL STATE IN HIP REPLACEMENT-ASSOCIATED THROMBOSIS IN THE PRESENCE OF MODERN THROMBOPROPHYLAXIS
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PR605  CONTROL OF THE ADEQUACY OF ANALGESIA DURING GENERAL ANAESTHESIA WITH THE USE OF THE MONITOR “ANALGESIA NOCICEPTION INDEX”
A. Gritsan*, N. Dovbish, D. Kurnosov, E. Gritsan (Russia)

PR606  HAEMODYNAMIC CHANGES IN PATIENTS WITH CARDIOVASCULAR DISEASES UNDER LOW-DOSE SPINAL ANAESTHESIA DURING ANORECTAL SURGERY ASSESSED BY IMPEDANCE CARDIOGRAPHY IN LITHOTOMY OR JACK-KNIFE POSITION
J. Gudaityte*, V. Saferis, J. Borodiciene, A. Macas (Lithuania)
ePOSTER DISCUSSIONS

PR607  CONTINUOUS AND NONINVASIVE HEMOGLOBIN MONITORING MAY REDUCE EXCESSIVE INTRAOPERATIVE RBC TRANSFUSION
T. Imaizumi*, K. Yoshida, M. Mogami, S. Obara, S. Kurosawa, M. Murakawa (Japan)

PR608  EFFECTS OF PREANESTHETIC DEXMEDETOMIDINE ON HEMODYNAMIC RESPONSES TO ENDOTRACHEAL INTUBATION IN ELDERLY PATIENTS BEING TREATED FOR HYPERTENSION
M.-W. Kim*, C. Lee (Republic of Korea)

PR609  POINT OF CARE ULTRASOUND (USG) TO RULE OUT "TUBE IN WRONG TUBE". A PROSPECTIVE STUDY TO ASSESS THE Efficacy OF SONOGRAPHIC OESOPHAGEAL WINDOW TO DETERMINE CORRECT ENDOTRACHEAL TUBE (ETT) PLACEMENT
A. Baviskar, A. Kulkarni*, J. Tamore, S. L. Dsouza (India)

PR610  COMPARING THREE METHODS OF INTRAOPERATIVE TEMPERATURE MEASUREMENT IN ADULTS

PR611  MONITORING CEREBRAL OXYGEN SATURATION IN HYPERTENSIVE PATIENTS UNDERGOING MAJOR ABDOMINAL SURGERY. A PROSPECTIVE COHORT STUDY
H. Li* (China)

PR612  HEMOCUE® HAEMOGLOBIN CONCENTRATION MEASUREMENTS ARE MORE ACCURATE THAN THOSE OF BLOOD GAS ANALYSERS AND ASSIST IN AVOIDING INCORRECT TRANSFUSION DECISIONS
P. C. Marwick*, M. Johnson, J. F. Coetzee, A. I. Levin (South Africa)

PR613  CLOSED-LOOP ANAESTHESIA AND ANTINOCICEPTION TITRATION BY PUPILLOMETRY
P. Mavoungou*, V. Billard (France)

PR614  A NOVEL ALGORITHM OF EZAVP AS CENTRAL VENOUS PRESSURE DETERMINED WITH CONVENTIONAL NONINVASIVE BLOOD PRESSURE CUFF
R. Nakamura*, N. Saeki, H. Morimoto, T. Ukawa, H. Miyoshi, M. Kawamoto (Japan)

PR615  THE THERMAL EFFECT IN MEASURING NONINVASIVE AND CONTINUOUS TOTAL HEMOGLOBIN (SPHb)
Y. Noji*, M. Hasegawa, Y. Iseki, T. Hakoizaki, Y. Ikegami, T. Isosu, M. Murakawa (Japan)

PR616  TEE 3D & SPECKLE TRACKING AS SENSITIVE MARKER FOR EARLY OUTCOME IN IN PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION UNDERGOING CARDIAC SURGERY: A PILOT STUDY
A. Kumar, G. Pun* (India)

PR617  PARAMETER CALCULATION BASED ON THE ANALYSIS OF PLETHYSMOGRAPHY WAVEFORM
J. Ripollés-Melchor*, A. Rodrigo Pérez-Tabernero, R. Casas Francés, E. Martínez Hurtado, N. Aracil Escoda, J. M. Calvo Vecino on behalf of B&A (Spain)

PR618  RESPONSE OF ARTERIAL MECHANICAL IMPEDANCE TO CHANGE IN REMIFENTANIL PLASMA CONCENTRATION DURING ABDOMINAL LAPAROSCOPIC SURGERY

PR619  PILOT STUDY: ULTRASOUND AS A METHOD OF CONFIRMING CORRECT NASOGASTRIC TUBE PLACEMENT IN THE PERIOPERATIVE PERIOD
C. Tua*, M. Buttigieg (Malta)

PR620  NEW ARTERIAL MECHANICAL PROPERTY INDICATOR CAN REFLECT DIFFERENCES IN INVASIVE STIMULUS INTENSITY INDUCED BY ALTERATION OF REMIFENTANIL CONCENTRATION DURING LARYNGOSCOPY

PC333  AN AUTOMATED REAL-TIME METHOD FOR THE DETECTION OF PATIENTS AT RISK FOR MALIGNANT HYPERTHERMIA
S. J. Gleich*, K. Strupp, R. T. Wilder, D. J. Kor, R. Flick (USA)

PC334  FULLY AUTOMATED ANAESTHESIA AND FLUID MANAGEMENT OPTIMIZATION USING MULTIPLE PHYSIOLOGIC CLOSED-LOOP SYSTEMS IN A PATIENT UNDERGOING A HIGH RISK SURGERY: A CASE REPORT
A. Joosten*, A. Delaporte, M. Cannesson, J. Rinehart, L. Van Obbergh, L. Barvais (Belgium)

PC335  NOVEL ANAESTHESIA RECORD SYSTEMS USING TIME-LINE STRUCTURED ELECTRONIC MEDICAL RECORDS
M. Kato*, Y. Kondo (Japan)

PC336  NEW TECHNOLOGIES IN PREOPERATIVE EVALUATION. A LOW COST AND USEFUL APPLICATION
E. Vidal, G. Maggi*, A. Haidbauer, H. Sarkisian (Argentina)

PC337  SPECTROGRAM OF PROPOFOL IN PAEDIATRIC PATIENT DURING BILATERAL COCHLEAR IMPLANT SURGERY
G. Soto*, H. Boveri (Argentina)

PC338  A LOW COST, CUSTOMISABLE AND STAND-ALONE ANAESTHESIA INFORMATION MANAGEMENT SYSTEM (AIMS)
D. K. Sreevastava* (India)

PC339  TRANSITION TO NEW AUTOMATED ANAESTHESIA CARTS IN THE LARGEST TERTIARY REFERRAL HOSPITAL IN CHINA
Y. Wang* (China)
PC340  PERCUTANEOUS TRACHEOSTOMY DONE USING LOW COST STERILIZED CAMERA TO DETECT POSTERIOR WALL DAMAGE  
A. Wickramasinghe*, R. Weerakoon (Sri Lanka)  
PC340B  FIND A DOCTOR APP., AN APP DESIGNED TO IMPROVE THE AVAILABILITY OF ANESTHESIOLOGISTS FOR THE O.R. MANAGEMENT  
J. E. Bordones* (Chile)  

ANAESTHESIA AND CANCER  
Moderators: Jigeeshu V. Divatia (India), Bernhard Riedel (Australia), Timothy Wigmore (United Kingdom)  
PR621  A RANDOMISED CONTROLLED TRIAL COMPARING TWO INSERTION TECHNIQUES FOR THE LARYNGEAL MASK AIRWAY FLEXIBLETM IN PARALYTIC PATIENT  
J. Han, A.-Y. Oh, B.-W. Koo*, S.-H. Do, H. Choi (Republic of Korea)  
PR622  A COMPARISON OF MORTALITY PREDICTORS IN CANCER SURGERY PATIENTS  
R. Myers, J. R. Ruiz, C. M. Jermaine, J. C. Frenzel* (USA)  
PR623  STANDARD OR GOAL DIRECTED INTRA-OPERATIVE FLUID THERAPY IN OVARIAN CANCER CYTOREDUCTIVE SURGERY  
J. Goswami*, A. R. Pal, K. K. Roy, A. Mukhopadhyay (India)  
PR624  ANAESTHESIA FOR RADICAL RETOPUBIC PROSTATECTOMY - A KENYAN EXPERIENCE  
E. O. Nyakundi* (Kenya)  
PR625  POSTOPERATIVE PAIN MANAGEMENT IN A BRAZIL’S CANCER CENTER: A RETROSPECTIVE STUDY OF 12,006 PATIENTS  
E. Sakai*, G. Nakamura, E. H. G. Joaquim (Brazil)  
PR626  EVALUATING THE EFFECTS OF TIVA ON POSTOPERATIVE PAIN AFTER CYTOREDUCTIVE SURGERY WITH HYPERTHERMIC INTRAPERITONEAL CHEMOTHERAPY  
PR627  EVALUATING THE EFFECTS OF TIVA ON POSTOPERATIVE PAIN AFTER PANCREATIC CANCER SURGERY  
J. Soliz*, I. Ifeanyi, J. P. Cata, M. Katz, J. Fleming, L. Feng, T. McHugh, A. Nava, T. F. Rahlf, V. Gottumukkala (USA)  
PR628  A DOUBLE BLIND RANDOMIZED CONTROL TRIAL TO STUDY THE EFFICACY OF A SINGLE DOSE INTRAVENOUS MAGNESIUM SULPHATE IN PREVENTING POSTOPERATIVE PAIN IN PATIENTS UNDERGOING MASTECTOMY  
M. Thomas*, A. Sudarsan (India)  
PC341  IMPLEMENTATION OF AN ENHANCED SURGICAL RECOVERY PROGRAM (ESRP) IN GYNECOLOGIC ONCOLOGY: HOW MUCH DID INTRA-OPERATIVE OPIOID ADMINISTRATION DECREASE IN FIRST YEAR POST IMPLEMENTATION?  
G. E. Mena*, J. Lasala, P. Ramirez, V. Gottumukkala, T. Rahlf, A. Rodriguez, M. Mussell and ESRP (USA)  
PC342  EPIDURAL ABSCESS AFTER EPIDURAL ANAESTHESIA AND ANALGESIA FOR OVARIAN NEOPLASM RESECTION: A CASE REPORT  
E. Sakai*, M. S. Ramos, R. A. da Silva, E. H. G. Joaquim (Brazil)  
PC343  RIGHT ATRIAL HERNIATION AFTER EXTRAPLEURAL PNEUMONECTOMY A CASE REPORT  
D. R. Thakar* (USA)  

OBESITY AND SLEEP MEDICINE  
Moderators: Dennis Auckley (USA), Naveen Eipe (Canada), Barbara Kabon (Austria), Rainer Lenhardt (USA), Claire Nightingale (United Kingdom), Adrian Sultana (Australia)  
D. D. Godoroja*, D. A. Cioc (Romania)  
PR630  COMPARISON OF CHANGES IN SERUM INTERLEUKIN, IN PATIENTS WITH MORBID OBESITY UNDER LAPAROSCOPIC GASTRIC BYPASS SURGERY, BEFORE AND AFTER GENERAL ANAESTHESIA WITH ISOFLURANE AND PROPOFOL  
V. Hassani*, A. Pazoki, S. R. Bani Hashemi, F. Davoodi, S. Jalaly (Iran)  
PR631  A VENTILATORY STRATEGY FOR MORBIDLY OBESE UNDERGOING LAPAROSCOPIC SURGERY - ABDOMINAL OBESITY BASED APPROACH  
A. K. Jain* (India)
ePOSTER DISCUSSIONS

PR632  PRESSURE-CONTROLLED INVERSE RATIO VENTILATION VERSUS VOLUME-CONTROLLED VENTILATION FOR OBESITY PATIENTS IN GYNECOLOGICAL LAPAROSCOPY
X. Lili* and Department of Anesthesiology, the Second Affiliated Hospital of Zhejiang Chinese Medical University, Hangzhou, China (China)

PR633  DOES THE USE OF KETAMINE OR MAGNESIUM DECREASE POST-OPERATIVE PAIN SCORES IN LAPAROSCOPIC BARIATRIC SURGERY FOR MORBID OBESITY?
J. W. Chan, P. Shetty* (United Kingdom)

PR634  THE ASSOCIATION OF PREOPERATIVE STOP-BANG SCORES WITH DIFFICULT INTUBATION
C. Wang*, C. Lean, S. Chaw, X. Chan, P. Loh, T. Tawa (Malaysia)

PR635  PALMITIC ACID-INDUCED CYTOTOXICITY IN HUMAN ALVEOLAR A549 CELLS INVOLVED ENDOPLASMIC RETICULUM (ER) STRESS AND REACTIVE OXYGEN SPECIES PRODUCTION
K.-L. Wong*, C.-W. Cheung, E. C. So, B.-M. Huang, Y.-M. Leung (Taiwan)

PR636  ED50 FOR INTRAVENOUS MIDAZOLAM-INDUCED AMNESIA AND ITS DURATION IN SURGICAL PATIENTS
J. Yan*, C. Gao, Y. Yue (China)

PC344  POSTOPERATIVE NAUSEA AND VOMITING (PONV) IN OBESE PATIENTS - PROSPECTIVE STUDY
K. Czajkowska*, L. Germanova, C. Filipe, C. Alves, A. Bernardino (Portugal)

PC345  ANAESTHESIA IN A SUPER OBESE PATIENT WITH KARTAGENER’S SYNDROME FOR LAPAROSCOPIC SLEEVE GASTRECTOMY: A CASE REPORT
C. N. M. Jones*, V. C. G. Jamora, J. T. Policarpio (Philippines)

PC346  FEASIBILITY AND SAFETY OF OPIOID FREE ANAESTHESIA (OFA) REGIMEN AS ALTERNATIVE PROTOCOL TO REDUCE ANALGESIC CONSUMPTION, PONV AND RESPIRATORY COMPLICATIONS IN OBESE/OSAS PATIENTS: PRELIMINARY CASE SERIES
S. Pulvirenti*, E. Panascia, A. Lazzaro, I. Zdravkovic, M. Sorbello (Italy)
RELATED MEETINGS

Sunday 28 August 2016

14:00-17:00 .................................................. THEATRE 2
WFSA General Assembly I

Tuesday 30 August 2016

15:45-18:00 ........................................... CONVENTION HALL B
WFSA General Assembly II

Thursday 1 September 2016

12:30-14:30 .................................................. S224
CEEA Directors Assembly

Friday 2 September 2016

19:00-19:45 .................................................. N101
The Hong Kong College of Anesthesiologists Congregation

20:00-22:30 .................................................. N101
The Hong Kong College of Anesthesiologists Congregation Dinner
OVERVIEW

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<th>S426+427</th>
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<tr>
<td>MONDAY 29 AUGUST 2016</td>
<td>12.30–14.00</td>
<td>DRAEGER</td>
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<td>TUESDAY 30 AUGUST 2016</td>
<td>07.00–08.30</td>
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<td>BBRAUN</td>
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<td>12.30–14.00</td>
<td>NIHON KOHDEN</td>
<td>BAXTER</td>
<td>MASIMO</td>
<td>FRESENIUS KABI</td>
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<td>WEDNESDAY 31 AUGUST 2016</td>
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DETAILED PROGRAMME

Monday 29 August

**Draeger symposium**

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<th>12:45-13:45</th>
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<td>Rethink ventilation in the operating room</td>
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<td><strong>12:45</strong></td>
<td>Welcome and introduction</td>
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<tr>
<td><strong>12:50</strong></td>
<td>Protective ventilation in the operating room</td>
<td>Paolo Pelosi (Italy)</td>
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<td><strong>13:10</strong></td>
<td>Perioperative ventilation: the next generation</td>
<td>Bert Mierke (Germany)</td>
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<td>Questions and answers</td>
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**GE Healthcare symposium**

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<td>Optimizing perioperative clinical and economic outcomes</td>
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<td><strong>Chair:</strong> M. Bauer (Germany)</td>
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<tr>
<td><strong>12:30</strong></td>
<td>Welcome and introduction</td>
<td>M. Bauer (Germany)</td>
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<td><strong>12:35</strong></td>
<td>Quality indicators of anaesthesia care as a trigger for economic outcome</td>
<td>M. Bauer (Germany)</td>
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<td><strong>12:55</strong></td>
<td>Intra-operative pain management (SPI) and post operative outcomes</td>
<td>T. Ledowski (Australia)</td>
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<td><strong>13:15</strong></td>
<td>Perioperative hypothermia research in China: clinical outcomes and health economic benefits</td>
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INDUSTRY SYMPOSIA PROGRAMME

Mundipharma symposium

12:30-14:00 .......................................................... N101

Challenges and solutions of Postoperative pain (POP) management
Panels: Eric Nagtlon (Philippines), Yuguang Huang (China)

12:30 Welcome and introduction
Eric V. Nagtlon (Philippines)

12:40 Post operative pain management and treatment strategy
Reino Torsti Ilmari Pöyhä (Finland), Yuguang Huang, (China), Eric V. Nagtlon (Philippines)

13:20 Acute pain management and clinical practice from China perspective
Tianlong Wang (China), Yuguang Huang (China), Eric V. Nagtlon (Philippines)

13:50 Questions and Answers
Reino Torsti Ilmari Pöyhä (Finland), Yuguang Huang (China), Eric V. Nagtlon (Philippines)

Tuesday 30 August - 07:00-08:30

Vifor symposium

07:00-08:30 .......................................................... S228

Patient blood management: strategies to put patients at the centre of care
Chair: Hongwen Ji (China)

07:00 Welcome and introduction
Hongwen Ji (China)

07:10 Getting pillar one right: definition and summary of data to date and expert opinions
Donat R. Spahn (Switzerland)

07:35 Getting pillar one right - practical tips and lessons
Andrew Klein (United Kingdom)

08:00 Concluding remarks
Hongwen Ji (China)

08:15 Questions and Answers

Pfizer symposium

12:30-14:00 .......................................................... CONVENTION HALL C

Sedation
Chair: Chi Wai Cheung (Hong Kong)

12:40 Introduction
Chi Wai Cheung (Hong Kong)

12:45 Are we sedating our patients optimally? current concepts and updates
Yoanna Skrobik (Canada)

13:35 Panel discussion

13:55 Closing remarks
Chi Wai Cheung (Hong Kong)

B. Braun symposium

07:00-08:30 .......................................................... S423-424

Today’s challenges and tomorrow’s solutions in fluid therapy and anaesthesia
Chair: Gernot Marx (Germany)

07:00 Welcome and introduction
Gernot Marx (Germany)

07:05 Short acting local anesthetics for spinal anaesthesia
Timo Palas (Switzerland)

07:25 Guidelines & new clinical evidence for fluid therapy
Gernot Marx (Germany)

07:55 Tips and tricks for safe conduct of TIVA/TCI
Anthony R. Absalom (Netherlands)

08:25 Concluding remarks
Gernot Marx (Germany)
INDUSTRY SYMPOSIAS PROGRAMME

Tuesday 30 August - 12:30-14:00

Baxter symposium

12:30-14:00 .............................................................. S426-S427
Chairs: Colin Royse and Prof. Yuguang Huang

12:30 Welcome and introduction
Colin Royse (Australia), Yuguang Huang (China)

12:35 Patient centred recovery: why is this so important and how can we make a difference?
Colin Royse (Australia)

12:55 Don’t ignore cognitive recovery!
Stan Newman (United Kingdom)

13:15 My experience implementing ERAS protocols: benefits for patients and hospitals
Girish Joshi (United States)

13:35 Questions and answers

13:50 Concluding remarks
Colin Royse (Australia), Yuguang Huang (China)

Masimo symposium

12:30-14:00 .............................................................. S221

Emerging Trends in Anesthesia and the Role of Noninvasive Monitoring
Chair: Steven J. Barker (USA)

12:30 Welcome and introduction
Steven J. Barker (USA)

12:35 The Neurophysiology of the Aging Brain Under General Anesthesia
Patrick L. Purdon (USA)

12:55 New Topics in Patient Blood Management
Aryeh Shander (USA)

13:20 Oxygen Delivery, an Oversimplified Concept
Azriel Perel (Israel)

13:40 Concluding Remarks
Steven J. Barker (USA)

13:45 Questions and Answers

Nihon Kohden symposium

12:30-14:00 .............................................................. S423-424

Next stage of advanced bedside monitor for estimated continuous cardiac output monitoring and more
Chair: Ryoichi Ochiai (Japan)

12:30 Introduction
Ryoichi Ochiai (Japan)

12:35 Estimated continuous cardiac output as a tool for non-invasive guided guided goal direct therapy
Ryoichi Ochiai (Japan)

13:00 Estimated stroke volume variation as a tool for non-invasive guided guided goal direct therapy
Suraphong Lorsomradee (Thailand)

13:30 Talking session
Suraphong Lorsomradee (Thailand), Ryoichi Ochiai (Japan)

13:50 Questions and Answers
Ryoichi Ochiai (Japan)

Fresenius Kabi symposium

12:30-14:00 .............................................................. N101

Propofol and HES: New evidence
Chair: Martin Westphal (Germany), Michael Irwin (Hong Kong)

12:30 Welcome and introduction
Martin Westphal (Germany)

12:35 Anti-cancer effects of propofol
Martin Westphal (Germany)

12:50 TIVI/TCI with Propofol: the future is now
Michael Irwin (Hong Kong)

13:05 Questions and answers - 1

13:15 Effective use of crystalloids and colloids in surgery
Daniel Chappell (Germany)

13:30 Role of HES in perioperative medicine: status quo and perspectives
Michael James (South Africa)

13:45 Questions and answers - 2
INDUSTRY SYMPOSIA PROGRAMME

Medtronic symposium

12:30-14:00 ......................................................... CONVENTION HALL C

Improving patient safety through monitoring technology
Chair: Matthias Heringlake (Germany)

12:30 Welcome and introduction
Matthias Heringlake (Germany)

12:45 Appropriate monitoring in the procedural sedation suite
Josh Atkins (USA)

13:05 Optimizing Patient Management with EEG Monitoring
Hilary P. Grocott (Canada)

13:35 Preventing Complications with INVOS™ Oximetry Technology
Matthias Heringlake (Germany)

13:55 Questions & Answers

Wednesday 31 August - 12:15-13:45

AbbVie symposium

12:15-13:45 ......................................................... S423-424

How to get the most out of your inhaled anaesthetic?
Illustration with Gas Man®
Chair: C.W. Cheung (Hong Kong)
Speakers: James H. Philip (United States), Jan Hendrickx (Belgium)

Hot topics in General Anaesthesia illustrated with Gas Man® software

How to optimise inhalation anaesthetic delivery?

Strategies for rapid awakening – the non-sense of hyperventilation

Inhalation agent kinetics in obese and non-obese patients – no significant difference in wash-in and wash-out between the two populations

Primex International symposium

12:15-13:45 ......................................................... S221

Current challenges in paediatric sedation
Chair: Theresa WC Hui (Hong Kong)

12:15 Welcome and introduction
Theresa WC Hui (Hong Kong)

12:20 Paediatric sedation - the paediatrician’s view
Piet L. Leroy (Netherlands)

12:50 The use of propofol for sedation and anaesthesia in children
Dusica Simic (Serbia)

13:10 A novel oral solution for paediatric sedation
Hervé Dupont (France)

13:30 Chairman's summary and Q&A
Theresa WC Hui (Hong Kong)
PRODUCT PRESENTATIONS

Hall 5D - Exhibiton floor

These 30min presentations are proudly brought to you by the participating sponsors. These presentations are given inside the dedicated Presentation Theatre within the exhibiton halls at either the coffee break periods or the break at lunchtime.

Monday 29 August

10:00-10:30: Masimo

Post-Operative Monitoring for Opioid-Induced Respiratory Depression
Michael Becker, (USA)

This session will illustrate how continuous monitoring through the use of pulse oximetry and respiratory rate monitoring could assist with early identification of clinical deterioration. The use of the Masimo technology platform will notify caregivers in real time when patients have physiologic parameters outside of the set limits thus allowing for the possibility of earlier intervention, which could lead to improved outcomes.

13:15-13:45: Medtronic

Benefit of Videolaryngoscopy During Intubation
Dr. David Borshoff, (Australia)

- Description of incidence/burden of difficult intubation considering obesity, neck/spinal injury, procedure type (the unpredictable nature of intubation)
- Compare of benefits of videolaryngoscopy-guided intubation compared to standard laryngoscopy-guided intubation
- Compare/contrast videolaryngoscopes (cost, design, simplicity, immediate access, no sharing, click on quick swap blades, rapid turn on/off etc.)
- Conclusion: Consider standardization to videolaryngoscopy

15:30-16:00: Medtronic

Crisis Management: Choosing the Right Tools
Dr. David Borshoff, (Australia)

- Description of the crisis protocol checklist.
- Description of use and success in Australia and beyond.
- Description of state-of-the-art medical devices that address crisis management
- Conclusion: Advanced tools are available to address common problems associated with crisis management.

Tuesday 30 August

10:00-10:30: Masimo

The Next Generation in Brain Monitoring
Natasha Barany, (USA)

Brain function monitor indices have been limited in the presence of EMG and low power EEG. Masimo's Next Generation SedLine® may help address these limitations through the utilization of EMG filtering and band independent (adaptive) signal processing. Additionally, clinicians had to rely on multiple technologies and monitors when utilizing brain function monitoring and cerebral oximetry together. Masimo has integrated O3 TM regional oximetry with SedLine® in the same Root platform which may help deliver a more comprehensive picture of the brain during surgery.
PRODUCT PRESENTATIONS

12:30-13:00: Primex Pharmaceuticals

The Efficacy of an Innovative Oral Solution for Sedation in Pediatric Patients
Professor Hervé Dupont

Primex is developing a novel, oral preparation, sugar and preservative free, with a focus on pediatric sedation use. The taste and the acceptability have been particularly optimised.

Data collected in clinical studies demonstrated good safety and tolerability. The product showed very good efficacy results, with effective sedation in 78% of the children and a satisfactory anxiolysis (compared to baseline), at 30 min post-dose. The acceptability by the pediatric subjects was considered good for a single dose treatment.

Wednesday 31 August

10:00-10:30: Masimo

Noninvasive and Continuous Hemoglobin and Fluid Management
Lydia George, (USA)

Masimo rainbow® SET is a monitoring platform that includes noninvasive and continuous hemoglobin (SpHb®), and Pleth Variability Index (PVI®). SpHb provides real-time visibility to hemoglobin behavior between invasive blood sampling and PVI is an automatic measure of the dynamic changes in perfusion index (PI) that occur during the respiratory cycle. Together, SpHb and PVI allow for better informed decision making during hemodynamic monitoring and fluid management.

13:15-13:45: Medtronic

INVOS Cerebral/Somatic Oximetry – Non invasive monitoring to help avoid adverse events and improve outcomes.
Dr. Andre Denault, (Canada), Mr. James Charest, (USA)

Product and clinical background presentation on INVOS™ (IN-Vivo Optical Spectroscopy) technology from Medtronic. The Trusted Clinical Standard in Regional Oximetry, the INVOS™ system provides clinicians with reliable, timely, and actionable monitoring to help avoid adverse events and improve patient care and outcomes. Only the INVOS™ system provides the level of performance and reliability that comes with a proven history of innovation backed by an unmatched level of quality clinical data.

Thursday 1 September

12:30-13:00: Medtronic

Preventing Respiratory Compromise with Microstream™ Capnography

Respiratory compromise represents a significant health care burden - increasing morbidity and mortality, along with increased length of hospital stay and cost of care. Microstream™-enabled Capnography monitoring provides an early warning of respiratory compromise, offering clinicians the opportunity to provide care sooner and quickly determine how to intervene; saving time, money and lives. Medtronic’s patient monitoring solutions provide the only integrated, complete picture of a patient’s oxygenation and ventilation status.
Asia Australasia Regional Section
(10 scholarships)

Association of Anaesthetists of
Great Britain & Ireland (AAGBI)
(2 scholarships)

Australian and New Zealand College
of Anaesthetists (ANZCA)
(3 scholarships)

Australian Society of Anaesthetists (ASA)
(4 scholarships)

Canadian Society of Anaesthetists (CSA)
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WFSA Baxter
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Fred Bulamba..........................................................Uganda
Colombianus Da Silva...........................................Fiji
Nora Dai..............................................................Papua New Guinea
Sheela Ann Datukon..............................................Philippines
Mridul Dhar............................................................India
Nemanja Dimic.......................................................Serbia
Enrique Daniel Fernandez Gutierrez.....................Bolivia
Selesia Fifita............................................................Tonga
L’amour Hansell......................................................Samoa
Anupa Indika Herath..............................................Sri Lanka
Elizabeth Igaga........................................................Uganda
Diyaiddin JABari......................................................Palestine
Simon Kabuye musisi.............................................Uganda
Mwemezi Kaino.......................................................Tanzania
George Kateregga..................................................Uganda
Megha Koirala........................................................Nepal
Mustafa Kreshi........................................................Palestine
Teokotai Maea........................................................Fiji
Graziela Tildena Mandavah.................................Vanuatu
Alvaro Moreno.......................................................Peru
Mfadzai Mugadza...................................................Zimbabwe
Sadaf Mushtaq.........................................................Pakistan
Abel Mwale..............................................................Zambia
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Agneza Ozolina.....................................................Latvia
Vishal Krishna Pai..................................................India
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Tekeua Uriam........................................................Kiribati
Emily Urvaru (Fuakilau)..........................................Fiji
Hoang Phuong Vu...................................................Vietnam
Pauline Wake..........................................................Papua New Guinea
Myo Win thein........................................................Myanmar
Lisa Akelisi Yockopua.............................................Papua New Guinea

Note: Names of 33 scholars not available at the time of printing
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- Hong Kong College of Anaesthesiologists
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Phone: +81-3-3816-6911
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Acuvista Ultrasound

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AcuVista Ultrasound is a new European company that develops and produces a new generation of ultrasound equipment with intuitive and easy-to-learn interface, designed to fit any OR and ICU.

Ultrasound scanner AcuVista Grace is specially designed for the sonographically guided manipulations in the operation theater such as vascular access, catheter and ports placement, nerve blocks, needle placement and injections.

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EXHIBITORS AND SPONSORS PROFILE

The WFSA’S Africa Regional Section (ARS) **BOOTH N°V113**

Email: bisolaonajin@gmail.com; bisolaobembe@yahoo.co.uk
Phone: +44(0) 7985205337/+234(0) 803326 7288
Website: www.AAAC2017.COM

The Africa Regional Section (ARS) of the WFSA is the supreme body of the region that coordinates the affairs of national anaesthesia society members in Africa. The aims and objectives include encouraging and assisting in the formation of national societies in Africa; establishing and maintaining closer relationships among national or regional societies; and safeguarding the interests of Anaesthesiology in the region. Since its inception in 1997 at Harare, Zimbabwe, we have held the All African Anaesthesia Congress (AAAC) once every four years. Following popular demand at the regional assembly at Cairo in 2013, the AAAC will be held every two years after the 6th AAAC Abuja, Nigeria in 2017.

**AIRTRAQ** **BOOTH N°804A**

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American Society of Anesthesiologists **BOOTH N°V105**

Email: d.urbina@asahq.org
Phone: +1 847 268 9253
Website: http://www.asahq.org/

American Society of Anesthesiologists®

ASA® is the leading anesthesiology professional society with more than 52,000 members, representing over 100 countries across the globe. Join us at ANESTHESIOLOGY 2017, October 21-25, 2017, in Boston, for the largest anesthesia educational event in the world. Take part in world-class education from thought leaders in the specialty. Engage with 15,000 colleagues from all over the world and connect with 300+ exhibitors to discover what’s new in anesthesia care. Visit our booth to learn how you can participate.
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ASIAN AUSTRALASIAN REGIONAL SECTION OF THE WORLD FEDERATION OF SOCIETIES OF ANAESTHESIOLOGISTS

Email: mzkxlz@126.com; lxiong@fmmu.edu.cn
Phone: 0086-029-84771262
Website: www.wfsahq.org/about-us/committees/regional-sections/70-asian-australasian-regional-section-aars

The Asian and Australasian Regional Section of the World Federation of Societies of Anaesthesiologists (AARS), founded in 1970, is comprised of 24 member societies. Consistent with WFSA, we aim at close collaborations and communications on anaesthesiology among the AARS member societies. Dr. Lize Xiong from China became Chair since 2014, the present board members come from all the countries across the region. We organize the Asian and Australasian Congress of Anaesthesiologists (AACA) every 4 years. The next AACA will be held in Beijing, China, in 2018, we look forward to seeing you.

The Association of Anaesthetists of Great Britain & Ireland (AAGBI)

Email: nicolaheard@aagbi.org
Phone: +44 (0)207 631 8805
Website: www.aagbi.org

The Association of Anaesthetists of Great Britain and Ireland (AAGBI) represents the medical and political views of over 11,000 anaesthetists in the United Kingdom and the Republic of Ireland. Its constitution sets four main objectives, which it achieves directly or via its charity, the AAGBI Foundation. The objectives are: to promote and advance education, safety and research in anaesthesia, the well-being of anaesthetists and other professional aspects of the specialty, and world-wide co-operation amongst anaesthetists.

The AAGBI has been responsible for initiating and promoting many major developments in British and Irish anaesthesia. It regularly publishes and revises patient safety and clinical practice guidelines, issues advice, organises the largest trainee conference, and two of the biggest educational meetings in the UK and Ireland and encourages and supports specialist anaesthesia societies.

For further information, please go to www.aagbi.org
EXHIBITORS AND SPONSORS PROFILE

Australian & New Zealand College of Anaesthetists (ANZCA)  
**BOOTH N° V125**

Phone: +61 3 9510 6299  
Website: www.anzca.edu.au

The Australian and New Zealand College of Anaesthetists (ANZCA) is the professional organisation for around 6000 specialist anaesthetists (Fellows) and 1500 anaesthetists in training (trainees). One of Australasia’s largest specialist medical colleges, ANZCA, along with its Faculty of Pain Medicine, is responsible for the training, examination and specialist accreditation of anaesthetists and pain medicine specialists. The College also plays a significant role in the advancement of anaesthesia in south-east Asia and South Pacific island countries.

The ANZCA ASM is the principal continuing medical education conference for Anaesthetists and pain physicians in Australasia.

Future meetings: ASM 2017 Brisbane, ASM 2018 Sydney, ASM 2019 Kuala Lumpur

Australian Society of Anaesthetists (ASA)  
**BOOTH N°V123**

Email: mcarmichael@asa.org.au  
Phone: +61 2 85569700  
Website: www.asa.org.au

The Australian Society of Anaesthetists (ASA) was founded in 1934, and acts exclusively for the benefit of Australian anaesthetists. The ASA’s vision is to support, represent and educate members, to enable the provision of the safest anaesthesia to the community. The Society is active on the world stage and is a member of the Common Issues Group. Further information is available from the ASA website www.asa.org.au

B. Braun Melsungen AG  
**BOOTH N°313B**

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Phone: +49 (0) 5661 71-1680  
Website: www.bbraun.com

With over 55,000 employees in 64 countries, B. Braun is one of the world’s leading manufacturers of medical devices and pharmaceutical products and services. Through constructive dialog, B. Braun develops high quality product systems and services that are both evolving and progressive - and in turn improves people’s health around the world.

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Website: www.baxter.com

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BDEMR Solutions Corp.  

**Email:** ab@bdemr.com  
**Phone:** +1 77 89 52 36 67  
**Website:** www.bdemr.com/anaesmon.com

**Purpose:** Increase medical record keeping in digital format where it is not available.  

**Vision:** We would like to develop low cost EMR (Electronic Medical Record) for individual patient and hospitals and ensure provision of comprehensive healthcare.  

**Mission statement:** Our products (“Anaesmon” for anaesthesia, ICU, Chronic pain, Surgery and even for Medicine consultation; upcoming “BDEMR Patient app” to receive all medical information from hospital or individual doctor in one place for the patient; “BDEMR Doctors app” to provide electronic medical record to the patient by the doctor; “BDEMR Report app” for doctors providing any medical record to the patient through cloud service) are cloud based with ultimate possibility of using it on any device on any platform in future including smartphones. It can also be used offline (without internet connection) after downloading our app, if preferred by the individual user (specially if individual or hospital is afraid to put medical record on the cloud in fear of data infringement). Direct website use is also possible where downloading the apps are not possible.  

**Core values:** Safety for patient, digital preservation of medical records, ease of virtual communication between patients, doctor and hospital.

**Goals:** Reach all the doctors specially anesthetists/anaesthesiologist even at the remotest corner of the world and keep record.

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**BD - Becton Dickinson**  

**Email:** janhenning.austnes@bd.com  
**Phone:** +1-201-847-6800/+41-21-556-0000  
**Website:** www.bd.com/

BD is a global medical technology company that is advancing the world of health. BD leads in patient and health care worker safety and provides innovative solutions to help improve medication management, optimize respiratory care and promote infection prevention. BD partners with organizations around the world to address some of the most challenging health issues, working in close collaboration with customers to help enhance outcomes, lower healthcare delivery costs, increase efficiencies, improve health care safety and expand access to health.

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**Beijing Aeonmed Co., Ltd**  

**Email:** marketing@aeonmed.com  
**Phone:** +86 10 5841 1198  
**Website:** www.aeonmed.com

Beijing Aeonmed Co., Ltd. is China’s leading OR and ICU equipment provider and innovator. Highly trusted domestically as well as globally, Aeonmed maintains a strong, quality reputation as a total medical system solution provider in the global market. There are 6 business lines of OR and ICU including, anaesthesia machine, ventilator, operation table, surgical light, medical pump and ceiling pendant. And five Medical System Solutions which including Laminar Flow, Environment and Equipment Configuration, Centralized Gas Supply, Process Quality Control and Information Integration. “Reliable Quality, Thoughtful Service” is Aeonmed’s commitment to customers. And “Guard life sincerely” is the sacred mission of Aeonmed.
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Beijing Siriusmed Medical Device Co., Ltd  **BOOTH N°106A**

Email: silingrui@siriusmedica.com
Phone: 0086 10 87576012
Website: www.siriusmedica.com

Siriusmed is committed to become a world’s leading supplier of medical equipment and solutions. The company specializes in the field of life supporting products. Through continuous innovation we are dedicated to provide competitive products and services, aiming at enhancing user experience and maximizing values for users. Our products include anesthesia workstations, ICU ventilators, ventilators for emergency treatment, and hospital medical solutions.

Caring Bridge  **WCA VILLAGE - MEMBERS CORNER**

Chinese Society of Anesthesiology  **BOOTH N°V121-122**

Email: csao@qq.com
Phone: +86 10 85158614
Website: www.csaol.cn

Chinese Society of Anesthesiology (CSA) was established in 1979, and it is evolved into an academic organization through education, scientific research and academic exchange to promote the development of anesthesiology in China. Prof. Lize XIONG is the current president.

There are 76 organizational members from 31 provinces and autonomous regions in the committee of CSA and over 12,000 members. Currently, CSA has 25 branches in different specialized subject fields. Since 1999, Annual Conference was held every year, which is an official and national-wide annual meeting of CSA. The CSA has promoted academic exchanges with a number of Countries and Regions.

Clarus Medical, LLC  **WCA VILLA GE - MEMBERS CORNER**

Email: ssundet@clarus-medical.com;Jack
Phone: +1 763-525-8403 or +1 763-525-8483
Website: www.clarus-medical.com

Clarus Medical (Minneapolis, MN), Airway Management scopes; Clarus Video System, Levitan, Shikani, with high-resolution images, durable, shapeable, easy to clean and very portable Versatile for intubation, confirmation and placement of ET, and Double lumen tubes, or LMA’s.

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Supplying leading medical companies as an OEM manufacturer for over 100,000 parts per year and nearly 30 years in business.
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**CLASA - Confederación Latinoamericana de Sociedades de Anestesiología**

Booth N°V115

Email: clasa.presidencia@sba.com.br, secretaria.clasa@gmail.com
Phone: +55 21 999865785

CLASA is a confederation of Societies of Anesthesiology of all the 21 latin american countries. It represents 21 Anesthesiology Societies, congregating around 35 thousands of anesthesiologists.

CLASA. It has thematic educational commissions which include all the fields of the speciality.

Clasa organizes the Latin American Congress of Anesthesiology every two years. The 2017 version will be held in Punta del Este, Uruguay, and CLASA aims to promote this event during the WCA in Hong Kong.

**Cook Medical**

Booth N°202A

Email: Laura.Ogilvie@CookMedical.com
Phone: +61 408 605194
Website: www.cookmedical.com

Founded in 1963, Cook Medical pioneered many medical devices now commonly used to perform minimally invasive medical procedures throughout the body.

Today, the company integrates medical devices, drugs and biological grafts to enhance patient safety and improve clinical outcomes through our 10 Strategic Business Units.

Since its inception, Cook has operated as a family-held private corporation with headquarters located in Bloomington, Indiana, the USA of America.

**Dale Medical Products**

Booth N°321B

Email: a.belanger@dalemed.net
Phone: +1-800-343-3980
Website: www.dalemed.com

Dale Medical Products, Inc. develops and manufacturers innovative post-surgical care products for the acute, sub-acute and long-term care markets, designed to save nursing time and reduce skin irritation, while leading to comfortable, trouble-free recovery.

**DAMECA A/S**

Booth N°401A

Email: info.ac@philips.com
Phone: +45 4450 9990
Website: www.dameca.dk

DAMECA A/S develops, manufactures and sells innovative anesthesia machines. Our portfolio is found in more than 100 countries and is backed by a committed service organization. We offer a number of value-added services such as clinical and technical training provided by our in-house specialists.

The product portfolio comprises three models all developed with patient safety in mind:

IntelliSave AX700-a complete anesthesia workstation. Siesta i Whispa-versatile and easy to use. Dameca MRI 508-anesthesia close to the MRI-scanner.

The product portfolio was part of Philips since 2011. As of June 30, 2016 DAMECA A/S acquired all related activities from Philips.
Diamedica (United Kingdom) Ltd

Email: info@diamedica.co.uk
Phone: +44 (0)1598 710066
Website: www.diamedica.co.uk

Diamedica (United Kingdom) Ltd specialises in the design and manufacture of anaesthetic equipment that will function successfully in harsh environments and areas of limited logistical support.

Designed for simplicity, economy, reliability and suitability for purpose, our product range extends from full hospital anaesthetic machines, to portable equipment for field hospitals, outreach missions and disaster/humanitarian situations. The extended range includes an oxygen concentrator driven CPAP, portable ventilators and an oxygen reservoir filling system.

Diamedica’s engineers are committed to providing sustainable solutions and training on how to use equipment, service and maintain it.

Diamedica equipment is currently used in over 60 countries worldwide.

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Edwards Lifesciences

Email: jackie_chen@edwards.com
Phone: +886975 318873
Website: www.edwards.com

Edwards Lifesciences is the global leader in the science of heart valves and hemodynamic monitoring. Driven by a passion to help patients, the company partners with clinicians to develop innovative technologies in the areas of structural heart disease and critical care monitoring that enable them to save and enhance lives.

We partner with physicians to innovate products designed to help patients live longer, healthier and more productive lives. We focus on medical technologies that address large and growing patient populations in which there are significant unmet clinical needs.

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**Egemen International**

**Email:** export@egemen.com.tr  
**Phone:** +90-2322781593  
**Website:** www.egemen.com.tr

Our company mainly produces regional anaesthesia needles and sets, as well as autoclavable cleanroom clogs. We have ISO 9001:2008 and ISO 13485:2003 Quality Management System Certifications as well as CE marking on products, keeping customer satisfaction as primary concern in mind from production to sales. Egemen International has managed to export to more than 80 countries all over the world. Our company has the basic target as to provide effective and efficient service to our customers with keeping the continuous improvement at foreground.

**eLocum**

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**Phone:** +90 212 319 77 27  
**Fax:** +90 2123197600 (Europe office)  
**Website:** www.elocum.com

As one of the market's staffing agencies, eLocum offers free of charge temporary and permanent employment opportunities to physicians, physician assistants, and nurses in healthcare facilities around the world.

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**European Society of Anaesthesiology**

**Email:** info@esahq.org  
**Phone:** + 32 (0)2743 3290  
**Website:** www.esa.org

ESA is the leading European organisation for anaesthesia, critical care, pain and perioperative medicine and has over 30 000 members. ESA aims to promote patient safety and quality of care, to raise the standards of anaesthesiology by strengthening, harmonising and integrating education into clinical practice, through research and scientific progress. ESA organises the European Diploma in Anaesthesiology and Intensive Care. The annual congress, Euroanaesthesia, is held in Europe in May. ESA is the European regional section of the WFSA. www.esahq.org
EWHA BIOMEDICS Co., Ltd.  
**BOOTH N°204B**

Email: trade@ewhainc.co.kr  
Phone: +82-31-969-3820  
Website: www.ewhainc.co.kr

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Fisher & Paykel Healthcare  
**BOOTH N°311B**

Email: mark.green@fphcare.co.nz  
Phone: +6421 309 383  
Website: www.fphcare.com

Fisher & Paykel Healthcare is a leading designer, manufacturer and marketer of products and systems for use in respiratory care, acute care, and the treatment of obstructive sleep apnea. Our products and systems are sold in over 120 countries worldwide. Our purpose is to improve care and outcomes through inspired and world-leading healthcare solutions.

Flexicare Medical Limited  
**BOOTH N°117B**

Email: enquiries@flexicare.com  
Phone: +44 (0)1443 474647  
Website: www.flexicare.com

Flexicare is a leading UK manufacturer of Medical Devices, with over 35 years experience in design and development. With a modern manufacturing facility, Flexicare has built a world-class reputation for medical devices. Flexicare have a comprehensive range of anaesthetic devices including Laryngoscopes, ET Tubes and Laryngeal Mask Airways. Also available are a range of Anaesthetic Breathing Systems, Breathing Filters, Catheter Mounts, Anaesthetic Face Masks, Soda Lime Absorbent and accessories.

Fresenius Kabi Deutschland GmbH  
**BOOTH N°501A**

Email: daniela.herold@fresenius-kabi.com  
Phone: +49 6172-686 4319  
Website: www.fresenius-kabi.com

Fresenius Kabi is a global healthcare company that specializes in lifesaving medicines and technologies for infusion, transfusion and clinical nutrition. The products and services are used to help care for critically and chronically ill patients. The company’s portfolio comprises I.V. generic drugs, infusion therapies and clinical nutrition products as well as related medical devices. Within transfusion technologies, Fresenius Kabi offers products for collection and processing of blood components and for therapeutic treatment of patient blood by apheresis systems.
EXHIBITORS AND SPONSORS PROFILE

Fujifilm SonoSite

Email: karen.stedman@sonosite.com
Phone: +1-425-951-1200
Website: www.sonosite.com

SonoSite helped pioneer the concept of portable, point-of-care ultrasound, and it continues to be a world-leading manufacturer and innovator of bedside ultrasound systems as well as an industry leader in ultra high-frequency micro-ultrasound technology. SonoSite's portable, compact systems are expanding the use of ultrasound across the clinical spectrum by cost-effectively bringing high-performance ultrasound to the point of patient care. For more information, go to: www.sonosite.com.

GETINGE GROUP

Email: cynthia.ho@getinge.com
Phone: +852 2207 6355
Website: www.getingegroup.com

Getinge Group is a leading global provider of innovative solutions for operating rooms, intensive-care units, hospital wards, sterilization departments, elderly care, life science companies and institutions. With a genuine passion for life we build quality and safety into every system. Our unique value proposition mirrors the continuum of care, enhancing efficiency throughout the clinical pathway. Based on firsthand experience and close partnerships, we are able to exceed expectations from customers - improving people's life, today and tomorrow.

GE Healthcare

Email: (Global) Risto.Rossi@ge.com, (China) Jin.Liu@ge.com
Phone: +1 (866) 281-7545
Website: www.gehealthcare.com

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. For more information about GE Healthcare, visit our website at www.gehealthcare.com

Gradian Health Systems

Email: info@gradianhealth.org
Phone: +1 212-537-0340
Website: www.gradianhealth.org

Gradian Health Systems is a medical technology company that helps equip hospitals in low-income countries to deliver surgical care. Gradian manufactures and sells the Universal Anaesthesia Machine (UAM) - a CE-certified device designed to function without electricity and compressed oxygen - ideal for operating rooms with infrastructure challenges. Gradian has established local distribution networks across 24 countries - primarily in Africa - to maintain, repair and train users to operate the UAM and other products to improve global surgery.
Guangxi VERYARK Technology Co. Ltd/WELLY-ARK(HK) International Trading Limited  **BOOTH N°429B**

Email: ark@veryark.com  
Phone: +86 771-3221338/ +852 2490 8868  
Website: www.veryark.com

Guangxi VERYARK Technology Co., Ltd is a professional Closed-Loop infusion system and syringe pump manufacturer. VERYARK has more than ten years of experience in anaesthesia application infusion system; yet, we have developed the first domestic TCI infusion pump ten years ago. Recently, VEYRARK has developed serials of Closed-Loop infusion systems based on EEG monitoring and muscle relaxant level monitoring in real time which will thoroughly revolutionize the traditional infusion method.

**Guangzhou Golden Join Group**  **BOOTH N°324B**

Email: medical@gj-group.com  
Phone: +86-020-62875600, +86-020-62875619  
Website: http://www.gj-group.com/

Guangzhou Golden Join Group is the Asia-Pacific region distributor of Narcotrend® Depth of Anesthesia/Consciousness Monitoring System and CNAP® Monitor 500 HD system. We are now recruiting various levels of agents in Asia-Pacific region.

Narcotrend® is from Germany and was granted the award of outstanding innovation of 30 years EZN. It designed to monitor the depth of anesthesia and sedation. Narcotrend® allows for adjusting the dosages of anaesthetics to the patients’ age, gender and general physical condition. During anaesthesia, this method helps to avoid EEG stages which are associated with an increased risk of awareness. On the other hand, overdosages can be avoided. It can be widely used in anesthesia department, ICU and emergency room. Improve the overall anesthesia operation quality for hospitals.

The HYPERLINK “http://www.cnsystems.com/products/cnap-monitor-500”CNAP® Monitor 500 HD standalone is from Austria and designed for continuous noninvasive hemodynamic monitoring and fluid management in a wide range of clinical applications, i.e. anesthesia, intermediate care, transport, ER and electrophysiology. It has become an appreciated research tool due to its noninvasiveness.

**HAEMONETICS**  **BOOTH N°319B**

Email: info.hk@haemonetics.com  
Phone: +852-2116-3268  
Website: www.haemonetics.com

Haemonetics is THE Blood Management Company. Our comprehensive portfolio of integrated devices, information management, and consulting services offers blood management solutions for each facet of the blood supply chain, helping improve clinical outcomes and reduce costs for blood and plasma collectors, hospitals, and patients around the world.

We help prevent blood transfusions to the patient who doesn’t need one and provide the right blood product, at the right time, in the right dose, to the right patient who does.

In our more than 40-year history, we have continued to innovate and acquire the best in blood management solutions.
EXHIBITORS AND SPONSORS PROFILE

Hangzhou Fushan Medical Appliances Co. Ltd. **BOOTH N°320B**

Email: export@fushanhz.com  
Phone:  
Website: www.fushanhz.com

Hangzhou Fushan Medical is a manufacturer of silicone and plastic medical devices which was established in July 2005. It covers an area of 10,000 sqms, with standard clean room of class 100,000 and 10,000. Our company has a strong R&D and quality control team with experienced engineer and technicians. Fushan has the wide scope of business range including Anaesthesia, Urology, Gastronenterology, Wound Drainage System, and Vascular Access System, main products include Laryngeal Mask Device, Foley Catheter, Silicone Drain, Gastric Tubes, CVC etc.

Hangzhou Jujiu Science & Biotechnology Co. Ltd. **BOOTH N°223B**

Email: jujiugel@hzjujiubio.com  
Phone:+86-15968815095  
Website: www.hzjujiubio.com www.jujiubio.com

We are a manufacturer specialized in producing the various hydrogel products, including medical hydrogel eye shields, used for preventing exposure keratitis during general anaesthesia or for deep coma patients, approved by CE,ISO13485,ISO9001, also supply OEM service,welcome to contact us at any time.

Heinen + Löwenstein GmbH & Co.KG **BOOTH N°200A**

Email: export@hul.de  
Phone: 0049 (0) 2603 9600-0  
Website: www.hul.de

The Heinen + Löwenstein group is specialised in the development, production and sales of medical devises and systems with the focus on ANAESTHESIA, NEONATAL & PEDIATRIC -and INTENSIVE CARE VENTILATION.

Ergonomic design and up to date technology with intuitive user interfaces make our medical devices a personal assistant to the user.

Building on its first-class workforce, well established sales infrastructure and a company strategy which constantly seeks the user benefit, Heinen + Löwenstein will continue to introduce and sell high-quality medical devices and systems in the future – with the focus always on the patient

Henan Tuoren Medical **BOOTH N°706**

Email: shanxiangyun@tuoren.com  
Phone: +86-373-8747537  
Website: www.tuoren.com

TUOREN sells to more than 40 countries and is the largest supplier of Anaesthesia Kits, Infusion Pumps, Central Venous Catheters, and Endotracheal Tubes (reinforced) in China.

Founded in 1993, TUOREN manufactures a comprehensive array of products through three ISO 13485:2003 certified factories with over 3,000 well trained workers, 1.3 million square feet of production space and growing.

With proprietary technology in producing DEHP-free PVC feedstock, TUOREN offers complete lines of high quality disposable medical products with unparalleled ranges in four broad categories, Anaesthesia, Nursing, Wound Management, and Diagnostics.
Hospital Information Services for Jehovah’s Witnessess

BOOTH N°V127

Email: HID.HK@jw.org
Phone: +852 3950 3500
Website: http://www.jw.org/en/medical-library/

Operating in 110 countries Hospital Information Services for Jehovah’s Witnesses offers the following services without charge in relation to non-blood management:

- Provide clinical papers on strategies for managing patients without allogeneic blood transfusion
- Facilitate physician-to-physician consultations
- Assist with patient transfer when necessary
- Make presentations to physicians, ethicists, residents, and other hospital and legal professionals
- Clarify ethical issues for Witness patients or clinicians related to medical care

Indoanaesthesia

WCA VILLAGE - MEMBERS CORNER

Email: indoonestesia@gmail.com
Phone: +62 21 7254424/+62 21 7229339
Website: http://www.indoanaesthesia.com/

INDOANAESTHESIA AT A GLANCE

The INDOANAESTHESIA was founded in February 2004 to address the growing interest in special interest groups in anaesthesiology. We currently collaborate with Indonesian Society of Obstetric Anaesthesia, Indonesian Society of Regional Anaesthesia and Pain Management and Indonesian Society of Critical Care Anesthesiologist. In the future, we welcome other special interest groups to also involve in Indoanaesthesia.

INDOANAESTHESIA AIM

INDOANAESTHESIA AIMS to promote the best practice of Obstetric Anaesthesia, Regional Anaesthesia and Pain Management, Preoperative and Critical Care Medicine, and other anaesthesia special interest group by facilitating scientific events, workshops, education, basic sciences, patient safety and providing online accessible educational resources. We also aim to develop national and international networking and to enhance interprofessional collaboration among different health care professionals who are involved in anaesthesia-related patient care.

International Anaesthesia Research Society

BOOTH N°V110

Email: info@iars.org
Phone: +1 415 296 6900
Website: http://www.iars.org

The International Anesthesia Research Society is a nonpolitical, not-for-profit medical society founded in 1922 to advance and support scientific research and education related to anesthesia, and to improve patient care through basic research. The IARS contributes nearly $1 million annually to fund anesthesia research; maintains a worldwide membership of more than 15,000 physicians, physician residents, and other health professionals in anesthesia-related practice; sponsors the SmartTots initiative in partnership with the FDA; and publishes the peer-reviewed journals Anesthesia & Analgesia and A&A Case Reports.
EXHIBITORS AND SPONSORS PROFILE

International Committee of the Red Cross  
**BOOTH N°V112**

![International Committee of the Red Cross](icrc.jpg)

Email: resguerra@icrc.org  
Phone: +63 2 892 8901 to 04  
Website: www.icrc.org/jobs

Established in 1863, the International Committee of the Red Cross works worldwide to provide humanitarian help for people affected by conflict and armed violence and to promote the laws that protect victims of war. An independent and neutral organization, its mandate stems essentially from the Geneva Conventions of 1949. Based in Geneva, Switzerland, it employs some 14,000 people in 80 countries; it is financed mainly by voluntary donations from governments and from national Red Cross and Red Crescent societies.

Intersurgical  
**BOOTH N°803A**

![Intersurgical](intersurgical.png)

Email: info@intersurgical.co.uk  
Phone: +44 (0) 1189 656300  
Website: www.intersurgical.com

Intersurgical is a global designer, manufacturer and supplier of a wide range of medical devices for respiratory support. Intersurgical provide flexible patient solutions for anaesthesia and airway management and will be exhibiting a number of products including the QuadraLite™ anaesthesia mask, anaesthesia breathing systems, the i-gel® supraglottic airway device, CO2 absorbents, and breathing filters. Please visit our stand and discuss your requirements. Intersurgical is committed to providing the most comprehensive range of respiratory products offering quality, innovation and choice.

Japanese Society of Anesthesiologists  
**BOOTH N°V126**

![Japanese Society of Anesthesiologists](jsa.png)

Email: gakujyutu@anesth.or.jp  
Phone: +81 78 306 5945  
Website: http://www.anesth.or.jp/

The aims of the Japanese Society of Anesthesiologists (JSA) are to work toward patient safety and comfort through research, training, international activities, and cooperation with other medical specialties.

Karl Storz GmbH & Co. KG  
**BOOTH N°504A**

![Karl Storz](karlstorz.png)

Email: info@karlstorz.com  
Phone: +49 7461 708 0  
Website: www.karlstorz.com

KARL STORZ is a renowned manufacturer that is well established in all fields of endoscopy. The still family held company has grown to one with a worldwide presence and 7100 employees. KARL STORZ offers a range of both rigid and flexible endoscopes for a broad variety of applications.
La Société d’Anesthésie-réanimation d’Afrique Noire Francophone (SARANF)

Booth N°V116

Email: rtrtchoua@yahoo.fr
Phone: (241) 07911382/(241) 06401896
Website: www.saranf.net

In 1984, the first anesthesiologists in sub-Saharan Africa decide to create an Anesthesiology Society (The Francophone African Society of Anesthesiology). There are several specialists who come from 12 different countries. The SARANF members are admitted as titular member or associated member.

The main organs of the society are the General Assembly and the executive office. The second one is constituted with a president and two vice presidents, one from Central Africa, and the other from West Africa.

Scientific activities are organized every year in Africa. For 32 years, SARANF organize his congress. This year, Cameroon will welcome the next congress in November 2016. The society publishes also a review called RAMUR.

Laerdal Global Health

Booth N°V120

Email: lgh@laerdal.no
Phone: +47 51511700
Website: laerdalglobalhealth.com

Laerdal Global Health was established in 2010 for helping save 400,000 more lives at birth per year by 2020. This goal is being pursued by partnering with USAID, Save the Children, ICM, Jhpiego and others in the Survive & Thrive Alliance to train and equip over 1 million birth attendants in low-resource countries to become efficient lifesavers.

Laerdal Global Health is a not for profit sister company of Laerdal Medical, providing training products and educational systems for resuscitation and patient simulation.

LiDCO Ltd

Booth N°430B

Email: info@lidco.com
Phone: +44 (0)20 7749 1500
Website: www.lidco.com

LiDCO supplies minimally-invasive and non-invasive hemodynamic equipment to hospitals worldwide. From the ED to the ICU, OR to HDU our advanced monitoring systems have the flexibility to meet your needs when you need it. If you are looking to understand more about improving patient outcomes by reducing morbidity, complications, length of stay and overall costs associated with major surgery - we are here to help. We can assist with implementing ERAS protocols, product evaluations, training, education and adoption.
EXHIBITORS AND SPONSORS PROFILE

Lifebox Foundation

Email: info@lifebox.org
Phone: +44 (0) 203 286 0402
Website: www.lifebox.org
Twitter: @SaferSurgery
Facebook: LifeboxFoundation

Lifebox Foundation is a leading NGO committed to making anaesthesia and surgery safer worldwide.

In low-resource settings, surgery is never routine - it is always urgent, and all too often, dangerous. Lifebox provides environment-appropriate pulse oximeters and training in basic safety checks to hospitals in more than 100 countries around the world. Together with our partners we’ve made surgery safer for more than 10 million patients in the last five years.

Lifebox is co-founded by the World Federation of Societies of Anaesthesiologists and chaired by WCA’s keynote speaker, the renowned surgeon and author Atul Gawande.

Markstein Sichtec Medical Corporation

Email: fd@msst.com.tw
Phone: +886-4-2315-3088
Website: www.msst.com.tw

From 2014 onwards, Markstein Sichtec Medical Corporation is committed to development and production of Video intubation family of tools; we have a professional team of consultants and strength of R&D.

We start from Design house, toward the goal of steady development and high quality.

In order to expand the global market, we start from Greater China region and continue to expand outward to South Korea, Association of Southeast Asian Nations. Not only to provide customers a full range of professional medical device more goal to become a qualified and professional manufacturer.

Masimo

Email: info@masimo.com
Phone: 1 (949) 297-7000
Website: www.Masimo.com

Masimo is a global medical technology company that develops and manufactures innovative noninvasive monitoring technologies, including medical devices and a wide array of sensors that may enable earlier detection and treatment of potentially life-threatening conditions. A key medical technology innovator, Masimo is responsible for the invention of award-winning noninvasive technologies that are revolutionizing patient monitoring, including Masimo SET® pulse oximetry, Masimo rainbow® noninvasive and continuous hemoglobin (SpHb®), acoustic respiration rate (RRa®), Masimo Patient SafetyNet™, SedLine® (EEG-based) brain function monitors, O3™ regional oximetry and a suite of capnography products.
EXHIBITORS AND SPONSORS PROFILE

MCI Suisse SA

Email: hq@mci-group.com
Phone: +41 (0)22 33 99 500
Website: http://www.mci-group.com/

At MCI, we believe that when people come together, magic happens.

That’s why we’ve been bringing people together through innovative meetings, events, congresses and association management since 1987. Through face-to-face, hybrid and digital experiences, we help companies and associations to strategically engage and activate their target audiences, building the dedicated online and offline communities they need to strengthen their brands and boost their performance.

An independent, privately held company with headquarters in Geneva, Switzerland we have offices in over 31 countries across Europe, the Americas, Asia-Pacific, India, the Middle East and Africa and deliver projects for clients all over the world.

Medecins Sans Frontieres

Email: rhitam.chakraborty@msf.org
Phone: + 852 92195959/+852 29594234
Website: http://msf-seasia.org/

In emergencies and their aftermath, MSF provides essential healthcare, rehabilitates and runs hospitals and clinics, performs surgery, tackles epidemics, carries out vaccination campaigns, operates feeding centres for malnourished children and offers psychological support. When needed, MSF also constructs wells and dispenses clean drinking water and distributes materials like blankets, plastic sheeting and other basic necessities. Through longer-term programmes, MSF treats patients with infectious diseases such as tuberculosis, sleeping sickness and HIV/AIDS and provides medical and psychological care to marginalised groups such as street children. MSF was founded in 1971 as the first non-governmental organisation to provide both emergency medical assistance and bear witness publicly to the plight of the people it assists. MSF is an international network with branches in 23 countries.

Medec Benelux NV

Email: sales@medecbenelux.be
Phone: +32/53 70 35 44
Website: www.medecbenelux.be

ANAESTHESIA VENTILATORS & WORKSTATIONS 40 YEARS OF EXPERIENCE

Medec offers a wide variety of products, ranging from basic ventilators to the most sophisticated anaesthesia workstations.

GLOBAL PRESENCE

Medec has a worldwide network of authorised dealers specialised in anaesthesia. On a daily basis 20.000+ patients are ventilated on a Medec unit.

MADE IN BELGIUM

Medec products are developed and manufactured in Aalst, Belgium. In-house research and development is the driving force behind constant innovation.
EXHIBITORS AND SPONSORS PROFILE

Medis Medical (UK) Ltd  
BOOTH N°224B

Email: tonyt@medis-medical.com  
Phone: +44 7908 789712  
Website: www.medis-medical.com

MEDIS Medical is an innovative manufacturing company CE & FDA registered, specialising in the design, development and production of unique anaesthesia & airway management devices. We are committed to bringing new and innovative medical devices to market that will solve problems and enhance patient safety. We look forward to welcoming you to our booth (No. 4838) and show you some of our latest innovations e.g. PAT Tube: ET Tube with Integrated Pharyngeal Pack & Cuff Pressure Indicator, Naso-Flo: Nasopharyngeal Airway with O2 Port and Respiratory Indicator, Accu Cuff: Cuff Pressure Indicator. The latest product added to our range is the OxyCap Universal Recovery Adaptor.

Medtronic  
BOOTH N°802A

Phone: +1-763-514-4000  
Website: www.medtronic.com

As a global leader in medical technology, services, and solutions, Medtronic improves the health and lives of millions of people each year. We believe our deep clinical, therapeutic, and economic expertise can help address the complex challenges - such as rising costs, aging populations, and the burden of chronic disease - faced by families and healthcare systems today. But we can’t do it alone. That’s why we’re committed to partnering in new ways and developing powerful solutions that deliver better patient outcomes. Learn more at medtronic.com.

Mercury Medical  
BOOTH N°123B

Email: lsouder@mercurymed.com  
Phone +1 727-573-0088  
Website: www.mercurymed.com

The naso-flo® is the Newest “Only” Nasopharyngeal Airway Device featured with an Oxygen Port or Oxygen Port/ETCO2 Connector and Filter. Flow-Safe II®, is the “Only” Disposable CPAP Device, which uses 50% less O2 consumption while delivering High FiO2. The air-Q® SP is the “Only” Self-Pressurizing Masked Cuff that uses positive pressure ventilation to self-inflate. Face Cradle®, the “Only” Prone Support System is a simple no wait set-up with a fully adjustable cushion is set to accommodate most adult heads. An industry first, Neo-Tee™ the “ONLY”, Single-Use Disposable Infant T-Piece Resuscitator on the market to offer a built-in manometer “on the Tee”.

Mindray  
BOOTH N°701A

Email: intl-market@mindray.com  
Phone: +86-755-81888998  
Website: www.mindray.com

Mindray is a leading global designer, developer, and manufacturer of medical devices and solutions. For more than 20 years Mindray has been developing perioperative solutions with particular focus on easing the clinician’s workload. With new technical breakthroughs in anaesthesia delivery, advanced monitoring technology and information systems. Several key products such as anaesthesia system A series and WATO series, ICU ventilator SynoVent series and patient monitor Beneview series are widely installed in major European hospitals and worldwide.
EXHIBITORS AND SPONSORS PROFILE

MIPM Mammendorfer Institut für Physik und Medizin GmbH

BOOTH N°221B

Email: international@mipm.com
Phone: +49814592090
Website: www.mipm.com

MIPM is a privately owned company located in the Munich area, Germany. The company develops and manufactures medical devices with a strong focus on niche markets in the field of Medical technology especially MRI compatible devices. MIPM’s product portfolio contains MRI compatible patient monitors as well as infusion systems. With more than 30 years of experience in the development and production of MRI compatible devices MIPM has established a name that stands for reliable technology and first class medical service.

Mundipharma

BOOTH N°502A + 503A

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Website: www.mundipharma.com.sg

One of the fastest-growing pharmaceutical companies, Mundipharma’s mission is to alleviate the suffering of patients and to substantially improve their quality of life. Our unique structure enables us to put patients at the heart of everything we do, focusing on specialist areas where we can make the most difference: Pain, Oncology and Oncology Supportive Care (including Chemotherapy-Induced Nausea and Vomiting, Oral Mucositis), Respiratory, Ophthalmology, Antisepsis and Consumer Health.

This approach is supported by scientific breakthroughs that result in innovative treatments. With offices across Asia-Pacific, Latin America, the Middle East and Africa, and a global network, we now touch the lives of patients across six continents.

New Zealand Society of Anaesthetists

BOOTH N°V131

Email: renu.borst@anaesthesia.nz
Phone: +6421518229
Website: www.anaesthesiasociety.org.nz

The NZSA is a professional medical education society which represents over 500 medical anaesthetists in New Zealand. We facilitate education and research into anaesthesia and advocate on behalf of our members, representing and championing their professional interests and the safety of their patients. Our advocacy includes developing submissions on government policy and legislation, meeting with key stakeholders including politicians and the Ministry of Health, and developing networks of anaesthetists in areas such as obstetrics and paediatrics. We are strongly focused on promoting collegiality and a strong sense of community amongst New Zealand anaesthetists. Members include specialist anaesthetists in public and private practice, and trainee anaesthetists. The NZSA, established in 1948, is also a Member Society of the World Federation of Societies of Anaesthesiologists (WFSA).
Nihon Kohden Corporation  
**BOOTH N°303A**

Phone: +81 3 5996 8000  
Website: http://www.nihonkohden.com

Since our foundation in 1951, our mission is to improve the quality of life with advanced technology. As a leading manufacturer of medical electronic equipment, Nihon Kohden provided a number of state of the art medical electronic equipment for clinical practice in the world.

We also supports the patient care cycle with leading edge technology such as unique sensing and algorithms. In order to provide better medical solutions for various medical fields, Nihon Kohden gives top priority to patients and is actively developing innovative technologies to eliminate patient discomfort and improve quality of patient care.

Northern Meditec Limited  
**BOOTH N°101A**

Email: info@northernmeditec.com  
Phone: +86 755 23090266  
Website: www.northernmeditec.com

Northern Meditec Limited is a team of qualified professionals, to provide customized solutions for the medical device industry, specializing in the research, development and manufacture of innovative technologies and products in the area of anesthesia, cardiovascular therapy and diagnostics. Our core capabilities are in Patient monitors, Ventilators, Anesthesia machines, Radiant warmers, Short wave diathermy, Home care CPAP/BiPAP, Electrocardiographs and more. Providing complete solutions right from designing of the product to marketing research, based on customer’s specific product requirement.

Northwest Anaesthesia Seminars  
**BOOTH N°431B**

Email: connie@nwas.com  
Phone: +1-509-547-7065  
Website: www.nwas.com

Northwest Anaesthesia Seminars (40 years of experience) in joint sponsorship with Baylor Healthcare Systems, Dallas, TX. for continuing Medical Education, provides conferences and workshops for physician and other advanced medical care providers. Each conference (unique for each location) as well as focused workshops are held in over 130 locations a year, some simultaneously, allowing participants to select each day’s courses based on individual need.

The Obstetric Anaesthetists’ Association  
**BOOTH N°V104**

Email: nicolaheard@aagbi.org  
Phone: +44 (0)207 6318805  
Website: http://www.oaa-anaes.ac.uk

The Obstetric Anaesthetists’ Association (OAA) was formed in 1969 to promote the highest standards of anaesthetic practice in the care of mother and baby. It has an international membership of over 2100 and provides education and training for practitioners in the UK and overseas.

The OAA also offers free information in several different languages for women seeking information about pain relief in labour and anaesthesia for Caesarean section, which can be accessed both on the web and via Apps.

Please go to http://www.oaa-anaes.ac.uk for further information.
EXHIBITORS AND SPONSORS PROFILE

Oxford University Press  
BOOTH N°V128

Email: WebEnquiry.UK@oup.com  
Phone: +44 (0) 1865 556767  
Website: www.oup.com

Oxford University Press is a leading publisher in Anaesthesia journals, books and online products and our worldwide publishing furthers the University’s objectives of excellence in scholarship, research, and education. Visit our stand today to pick up your FREE copy of the British Journal of Anaesthesia and BJA Education and browse our collection of books, including the Oxford Textbooks in Anaesthesia and Oxford Textbooks in Critical Care, available to buy with an exclusive conference discount.

Pacific Medical Systems Limited  
BOOTH N°107A

Email: info@pacificmedicalsystems.com  
Phone: +852-2108-4005  
Website: www.pacificmedicalsystems.com

Pacific Medical Systems Limited focuses in the marketing, sale and after-sale support of innovative medical products in the Asia Pacific region. We provide quality solutions for healthcare professionals before, during and after surgery, including:

- USCOM – non-invasive (Doppler) haemodynamic monitor
- GE Ultrasound - from pocket size to compact console systems
- Safersonic - sterile ultrasound probe covers
- Sonosim - ultrasound simulation to facilitate training
- Teleflex - bone lesion biopsy and intraosseous vascular access system
- Kanlife - portable video laryngoscope
- EyePro - transparent eyelid occlusion dressing
- SorbaView Flexi - transparent sternal wound dressing
- MTRE - servo-controlled normothermia management
- Vivostat - autologous fibrin and platelet fibrin solution

Come visit us: booth #107.

PAFSA (Pan Arab Federation of Societies of Anaesthesiologists)  
BOOTH N°V117

Penlon Limited  
BOOTH N°805A

Email: international.sales@penlon.com  
Phone: +44 1235 547 001  
Website: http://www.penlon.com

Penlon is the UK’s largest manufacturer of anaesthesia and suction and oxygen therapy equipment, and has distributors in over 90 countries worldwide.

Based in Oxfordshire and with over 70 years’ experience in medical device design and manufacture, their product portfolio includes anaesthetic machines, ventilators, vaporizers, patient monitors, laryngoscopes, suction control, and oxygen therapy systems.

Quality systems are accredited with ISO 9001 and ISO 13485, and approved by the FDA. All Penlon products are CE marked and fully supported by an experienced global sales and technical service team - providing a total solution.
At Pfizer, we apply science and our global resources to bring therapies to people that extend and significantly improve their lives. We strive to set the standard for quality, safety and value in the discovery & development of health care products. Consistent with our responsibility as one of the world’s premier innovative biopharmaceutical companies, we collaborate with healthcare providers, governments and local communities to support and expand access to reliable, affordable health care around the world. For more than 150 years, Pfizer has worked to make a difference for all who rely on us.

For 70 years the PostGraduate Assembly in Anesthesiology (PGA) has served the continuing medical education needs of healthcare professionals around the world who are dedicated to the practice of anaesthesiology in all its forms. This diverse group includes anesthesiologists and intensivists in clinical practice and academia, physicians and Ph.D.s engaged in research, anaesthesia residents and fellows, intensive care fellows, medical students, and individuals in the allied health professions. Each year, thousands of PGA attendees take advantage of stimulating CME programs and networking opportunities in one of the most exciting cities in the world.

Piramal Critical Care

Our rich product portfolio includes inhalation anaesthetics such as Halothane, Isoflurane and Sevoflurane. Piramal Critical Care has an excellent record of managing collaborative ventures and mergers. Much of our growth has come through acquisitions involving long-established manufacturers of well-known, trusted products. Our commitment for quality is resonated in global regulatory approvals that are accredited to our manufacturing plants. Our state-of-art manufacturing facilities in Bethlehem (USA) and Digwal (India), ensure adherence to world-class standards. The strategic location of these plants enables us to supply products throughout the length and breadth of the world with great amount of flexibility and helps us adhere to our commitment towards uninterrupted delivery.

“Save lives with innovative critical care solutions” is much more than a purpose statement for us. At Piramal Critical Care, we constantly help in improvement and betterment of the anaesthesia fraternity. We are on a constant endeavour to find out the real needs of the patients and providers.
EXHIBITORS AND SPONSORS PROFILE

POND Awareness

Email: rclawes@mac.com
Phone: +44 7803 50 45 60
Website: www.pondawareness.org

Post-Operative Neurobehavioral Disturbance (POND) is a website created to increase awareness and educate the public about the neurologically damaging complications that may arise as a result of having been admitted to hospital or having undergone anaesthesia and surgery. Its purpose is to encourage all healthcare practitioners, patients and patients’ relatives to be alert to the possibility of a patient developing POND. It also aims to provide objective information to encourage discussion and help shape future healthcare policies in this field.

Primex Pharmaceuticals Ltd

Email: alan.knox@primexpharma.com
Phone: +41 791 762 420
Website: www.primexpharma.com

Primex Pharmaceuticals is a fast growing global specialty company spearheading a new lean pharmaceutical business model.

Primex aims to become the leader in anaesthesia, helping patients undergo a wide range of medical procedures. With a portfolio of strong anaesthesia products Primex Pharmaceuticals will continue to identify and bring new medications to the market.

Primex Pharmaceuticals’ global partner network operates in over 40 countries and reaches a population of nearly one billion. The company is headquartered in Zug, Switzerland.

Quantium Medical S.L.

Email: info@quantiummedical.com
Phone: +34 937 021 950
Website: www.quantiummedical.com

Quantium Medical designs and develops non-invasive patient monitoring methods and applications, allowing more efficient interventions for hospitals and clinics, while reducing risk and increasing comfort to the patients.

Quantium Medical offers the methods and indices in two formats: Standalone (SA) monitors to hospitals and OEM modules to medical manufacturers. OEM products allow manufacturers the possibility of embedding the indices in their patient monitors and anaesthesia machines thus bringing added value. The SA monitors are ready-to-use products; this version includes a display, battery and Bluetooth connectivity for easy and portable use. All products have its software to connect the device to computers or smartphones allowing the members of hospitals and other Medical Companies record the information.
EXHIBITORS AND SPONSORS PROFILE

The Royal College of Anaesthetists

Email: rampofo@rcoa.ac.uk
Phone: +44 20 7092 1558
Website: www.rcoa.ac.uk

The Royal College of Anaesthetists is the professional body responsible for the specialty throughout the UK, and it ensures the quality of patient care through the maintenance of standards in anaesthesia, critical care and pain medicine. Anaesthesia is the largest single hospital specialty in the NHS. Sixteen percent of all hospital consultants are anaesthetists and over two-thirds of hospital in-patients will see an anaesthetist. The College supports approximately 17,500 members and fellows and 3,500 from the College’s Faculties of Intensive Care Medicine and Pain Medicine. The College works with UK and international partners to develop education, training and professional standards and is actively developing collaborations with other organisations to take forward this important work. The College has a growing work programme and an international membership base which spreads across over 70 countries worldwide. www.rcoa.ac.uk

SAHK – Society of Anaesthetists of Hong Kong

Email: info@sahk.hk
Website: www.sahk.hk

The Society of Anaesthetists of Hong Kong was founded in 1954. Over the past 50 years, SAHK has helped to nurture and develop the specialty of anaesthesia, pain medicine and intensive care in Hong Kong to the highest standards. The society has been relentlessly promoting training and education among professionals while educating the general public about their specialty. SAHK is affiliated to the World Federation of Societies of Anaesthesiology (WFSA) and are excited be the host society for the 2016 World Congress of Anaesthesiologists. This “Olympics of anaesthesia” will strengthen relationships with fellow societies, and foster academic and clinical cooperation in the region.

The Society together with the ASA has supported running the Primary Trauma Care (PTC) courses in China and Vietnam since 2002. PTC, which is adopted by the World Health Organisation (WHO), is for trauma management in district and remote locations. PTC arose initially in 1996 from the collaborative efforts of three anaesthetists. The Society have been sponsoring the PTC courses and has sent their Hong Kong PTC anaesthetist instructors to Xian, Kunming, Beijing and Shanghai in China and Hanoi in Vietnam. For full information please visit the website: www.sahk.hk.

Safe Anaesthesia Worldwide

Email: info@safe4all.org.uk
Phone: +44 (0)7527 506969
Website: www.safe4all.org.uk

Safe Anaesthesia Worldwide (SAWW) provides anaesthesia to those in need in poor areas of the world. Five billion people across the globe lack access to surgical and anaesthetic care, resulting in suffering, disability and death. SAWW works to redress this huge inequality by supplying anaesthesia equipment that is suitable for use in low-resource settings; by training medical and technical staff to deliver anaesthesia and keep equipment in good working order; and by supporting research to improve anaesthesia in developing countries.
EXHIBITORS AND SPONSORS PROFILE

Shenzhen Hugemed Medical Technical Development

Email: barbaragao@hugemed.net
Phone: +8675522275866
Website: www.hugemed.net

Shenzhen Hugemed Medical Technical Development Co. LTD is an high-tech enterprise of medical equipment R&D, manufacturing, sales and after-sale service. Our main products are video laryngoscopes, disposable staplers and endoscope staplers, etc. we can provide the most complete solution for hospital anesthesiology, emergency room, ICU, respiratory medicine, cardiology, etc.

Hugemed has a high-efficient, experienced team of medical equipment R&D with more than 20 years experience, every piece of item will be tested by our rigorous QA/QC system before sale to ensure all products achieving and exceeding the highest quality standard in industry.

Shenzhen Insightsers Medical Technology Co., Ltd.

Email: intl-market@insighters.cn
Phone (with country code): +86-755-28217551
Website: www.insighters.cn

Insighters Medical is a global leading Airway Management products manufacturer, headquartered in Shenzhen, China.

Insighters has always been tightly understanding the demand from clinical doctors, and strive to provide them the best airway management tool. Our mission is to provide professional solution & service to global doctors and patients.

Insighters is technically leading the Visualization Airway Management.

Siemens

Email: https://usa.healthcare.siemens.com/email-us
Phone: +1-888-826-9702
Website: www.siemens.com/ultrasound

Siemens Healthcare Becomes Siemens Healthineers

On May 4th, 2016, Siemens Healthcare unveiled its new name Siemens Healthineers.

The new name embodies the company's pioneering spirit and engineering expertise in the healthcare industry.

“We have an exceptional track record of engineering and scientific excellence and are consistently at the forefront of developing innovative clinical solutions that enable providers to offer efficient, high quality patient care. Going forward as Siemens Healthineers, we will leverage this expertise to provide a wider range of customized clinical solutions that support our customers business holistically. We are confident in our capability to become their inspiring partner on our customers’ journey to success”.

Smile Train

Email: info@smiletrain.org
Phone: +1 212-689-9199
Website: www.smiletrain.org

Smile Train is an international children’s charity with a sustainable approach to a single, solvable problem: cleft lip and palate. Millions of children in developing countries with untreated clefts live in isolation, but more importantly, have difficulty eating, breathing and speaking. Cleft repair surgery is simple, and the transformation is immediate. Our sustainable model provides training,
EXHIBITORS AND SPONSORS PROFILE

funding, and resources to empower local doctors in 85+ developing countries to provide 100%-free cleft repair surgery and comprehensive cleft care in their own communities. Smile Train has transformed the lives of more than one million children by giving them the power of a smile.

Smiths Medical

BOOTH N°800A

Email: info.asd@smiths-medical.com
Phone: +1-800-258-5361
Website: www.smiths-medical.com

Smiths Medical aims to help health care professionals make every intervention successful through the products and services that comprise our medication delivery, vital care, and vascular access portfolios. Stop by our booth to learn how Smiths Medical's CADD® Ambulatory Infusion Pumps, Level 1® Patient Warming Systems, Portex® Airway Management Solutions, and Portex® Regional Anaesthesia Kits to help you advance your Anaesthesia practice.

South Asian Association for Regional Cooperation - Association of Anaesthesiologists (SAARC-AA)

BOOTH N°V118

The South Asian Association for Regional Cooperation (SAARC) is an economic and political organization of eight countries in Southern Asia. SAARC was established when its charter was formally adopted on December 8, 1985 by the Heads of State of Government of Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka. In April 2007, at the Association’s 14th summit, Afghanistan became its eighth member. SAARC-Association of Anaesthesiologists (formerly known as SACA) was founded in the year 1991 with the support and guidance of WFSA and the vision of the founders was based on the ancient links, contemporary needs and the future potential that exists amongst the SAARC anaesthesiologists.

To share the common problems or challenges in the profession and to encourage and share the knowledge and expertise under one roof is the primary objective of SAARC-AA in bringing together the anesthesiologists of eight SAARC nations.

The first SAARC-AA (SACA) Congress was successfully conducted in Dhaka in 1993 under the leadership of Prof. S. N. Samad Chowdhury, the father figure of Bangladesh.


For the 3rd time in Bangladesh, the 10th Congress of the SAARC-AA will be held in the city of Dhaka, Bangladesh from 22nd to 24th February, 2013.

The 11th Congress of the SAARC-AA will be held in the city of Kathmandu, Nepal from 26th to 28th February, 2015.

12th SAARC-AA Congress 2017 to be held from 24th February to 26th February, 2017 at Colombo, SRI LANKA. We extend a warm welcome to all the fellow colleagues of the SAARC nations as well as WFSA members to attend this mega scientific gathering and make this the most memorable event.
EXHIBITORS AND SPONSORS PROFILE

Teleflex Medical Asia PTE Ltd. BOOTH N°113B

Email: singaporecustomerservice@teleflex.com
Phone: +65 6439 3000
Website: http://www.teleflex.com/sea

Teleflex is a global provider of medical technologies designed to improve the health and quality of people's lives. We apply purpose driven innovation - a relentless pursuit of identifying unmet clinical needs - to benefit patients and healthcare providers. Our portfolio is diverse, with solutions in the fields of vascular and interventional access, surgical, anaesthesia, cardiac care, urology, emergency medicine and respiratory care. For more information please visit teleflex.com.

Teleflex is the home of Arrow®, Deknatel®, Hudson RCI®, LMA®, Pilling®, Rüsch® and Weck® - trusted brands united by a common sense of purpose.

Timesco BOOTH N°222B

Email: sales@timesco.com
Phone: +44 (0)1268 297700
Website: www.timesco.com

For over 50 years we have produced an unrivalled range of laryngoscopes.

Our products are manufactured to exceed internationally recognised quality standards & provide trouble-free use whilst remaining cost effective. We continuously strive to develop & improve our products to better serve the needs of the clinician, ultimately helping save lives.

It is through unremitting innovation that we aim to generate significant positive transformations in the market that will radically enhance laryngoscopy.

We don’t compromise on quality, why should you?

UE Medical BOOTH N°206B

UE Medical is a professional manufacturer specializing in developing and producing visual medical devices of airway management. With our state-of-the-art facility, R&D experience and resources, we are able to offer high quality products.

We develop UESCOPE® video laryngoscope, video stylet and flexible videoscope to promote the new standard of intubation and integral solution of airway management. With advanced video technology and ergonomic design, UESCOPE® is ideal for regular and difficult tracheal intubations in adult and pediatric patients.

We aim to continuously improve the quality of life for patients and physician experience. This is achieved through our unrelenting effort in providing high quality, affordable products to our customers.
EXHIBITORS AND SPONSORS PROFILE

Ultrasound Education Group, University of Melbourne  
BOOTH N°V129

The Ultrasound Education Group (UEG), University of Melbourne, specialises in the development and delivery of eLearning education. Since 2004 UEG has developed entirely online graduate Clinical Ultrasound and Echocardiography courses. These are now offered as professional development courses through international medical societies and colleges. UEG offer Simulator Education eLearning packages integrating self-directed eLearning with simulators to reinforce practical components. We now work with other organisations to develop, publish and manage traditional face-to-face training courses with cost-effective and scalable eLearning solutions. Deliver your own courses on smartphones, tablets and web browsers on a secured platform.

USCOM  
BOOTH N°108A

USCOM 1A - THE FLUID SOLUTION

The gold standard, non-invasive USCOM 1A advanced hemodynamic monitor is an important tool for accurate fluid and hemodynamic management from neonates to geriatrics.

Trending, no consumables other than ultrasound gel and the Smith Madigan Inotropy Index, an USCOM 1A unique measure of cardiovascular function which identifies heart failure and fluid responsiveness, make the USCOM 1A an ideal tool for improved care in the perioperative environment.

USCOM 1A is quick and easy to use, highly reproducible and enables logical and personalized guidance of fluid, inotrope and vasoactive therapy.

USCOM 1A - Devices the experts use.

VBM  
BOOTH N°202B

VBM is a family owned company operating in the field of airway management, accessories for anaesthesia and intensive care, and tourniquet systems for surgical operations in a bloodless field.

Our long-term success is based on continuous innovation, close collaboration with our customers and medical experts, outstanding quality and the expertise of our employees.

VBM has around 200 employees worldwide and we market our products either through our subsidiaries in the USA, France and Czech Republic or through our partners in over 100 countries.
EXHIBITORS AND SPONSORS PROFILE

Verathon

Email: sales@verathon.com
Phone: +1-425-867-1348
Website: verathon.com

The GlideScope Titanium video laryngoscopes (reusable and single use) are the most advanced GlideScope instruments ever. Low-profile designs and titanium construction make these blades streamlined and lightweight, offering improved maneuverability and working space for routine and difficult airways. With more blade options, clinicians can choose their preferred airway tool for a wide range of patients and clinical settings. The GlideScope system features a high-resolution, full-color digital camera and monitor for real-time viewing and recording.

Vifor Pharma

Email: info_ap@viforpharma.com
Phone: +65 6327 5937
Website: http://www.viforpharma.sg/en/

Vifor Pharma is a world leader in the discovery, development, manufacturing and marketing of innovative products for the treatment of iron deficiency.

The intravenous iron portfolio includes Ferinject® (ferric carboxymaltose), an innovative iron replacement therapy and Venofer® (iron sucrose), the leading iron product for the treatment of iron deficiency. This is complemented with the well-established oral iron, Maltofer® (iron polymaltose complex).

Vygon

Email: cagwali@vygon.com
Phone: +33139926595
Website: www.vygon.com

Vygon is a world leader in the creation of high technology single-use medical devices, distributed throughout the world by our dedicated network of 27 subsidiaries and 331 integrated distribution partners.

Vygon offers an extensive range of products suitable for use in the following clinical departments:
- Neonatology & obstetrics
- Adult and paediatric critical care
- Anaesthesia
- Oncology & long-term vascular access
- Emergency medicine
- Cardiovascular & Surgery
- Home care & Nutrition

For more information about our recent innovations, visit our website www.vygon.com

17th World Congress of Anaesthesiologists
(WCA 2020)

Email: wcaprague2020@guarant.cz
Phone: +420 284 001 444
Website: www.wcaprague2020.com

The 17th World Congress of Anaesthesiologists will be held in Prague, Czech Republic from 6 till 11 September 2020. The WCA 2020 is the largest Congress of Anaesthesiologists and we are proud to continue the long tradition of organising this event. For more details, please visit the official congress website at www.wcaprague2020.com.
**EXHIBITORS AND SPONSORS PROFILE**

**WELL LEAD MEDICAL LTD**

**BOOTH N°217B**

Email: hennyhu@welllead.com.cn  
Phone: +86-21-58397623  
Website: www.welllead.com.cn

Well Lead Medical Co; Ltd is a medical catheter manufacture specialized in medical disposable products research, manufacturing and sales. As one of the leaders of medical catheters field, Well Lead products are involved in anaesthesia, respiratory, urology, hemodialysis and other medical fields. All the products have obtained CE certificate and some of them are FDA registered. In Well Lead, all staff holds the same belief—We care for patients with quality products. We believe these core values have made Well Lead the Company that it is today.

**WILEY**

**BOOTH N°V119**

Email: wileycustomer@wiley.com  
Phone: +65 6643 8333  
Website: www.wiley.com/www.onlinelibrary.wiley.com

Wiley is a global provider of content-enabled solutions that improve outcomes in research, education, and professional practice. Our core businesses produce scientific, technical, medical, and scholarly journals, reference works, books, database services, and advertising; professional books, subscription products, certification and training services and online applications; and education content and services including integrated online teaching and learning resources for undergraduate and graduate students and lifelong learners. The company’s website can be accessed at http://www.wiley.com.

**Wolters Kluwer**

**BOOTH N°434B**

Email: customerservice@LWW.com  
Phone: +1 215.521.8300  
Website: http://www.LWW.com

Wolters Kluwer is a global leader in professional information services. Healthcare professionals worldwide rely on Wolters Kluwer’s market leading medical, nursing, and allied health content, drug information, and clinical decision support tools to build clinical competency. We are the proud publisher of some of the most highly respected journals in the specialty, including Anesthesiology, The Journal of the American Society of Anesthesiologists (ASA), and PAIN®, The Journal of the International Association for the Study of Pain.

**World Federation of Societies of Anaesthesiologists (WFSA)**

**WCA VILLAGE**

Email: admin@wfsahq.org  
Phone: +44 20 7631 8880  
Website: www.wfsahq.org

The World Federation of Societies of Anaesthesiologists (WFSA) seeks to ensure universal access to safe anaesthesia and unites hundreds of thousands of anaesthesiologists behind this goal. We are proud of over 60 years of working as a Federation and together with our partners and members we have done much to achieve our aims. With a focus on patient care we deliver our mission by working together on four key programmes that tackle the barriers to safe and timely access to anaesthesia care.
EXHIBITORS AND SPONSORS PROFILE

Zhejiang Runqiang Medical Instruments Co. Ltd

BOOTH N°322B

Email: lijuan.xu@zjrunqiang.com / linda.xu@zfert.com
Phone: +86-13588808548
Website: www.zjrunqiang.com

Runqiang Medical is manufacturer and exporter of anaesthesia disposable products—spinal needle, epidural kit, infusion pumps, respiration set, HME filters are the hot selling products. Products are CE and ISO certified. We offer OEM production as well.

Zhuhai Mindhao Medical Technology Co. Ltd.

BOOTH N°107B

Email: sales02@mindhao.com
Phone: +86-756-6326902
Website: www.mindhao.com

Zhuhai Mindhao Medical Technology Co., Ltd. (MDH) is dedicated to research, development and production of portable mobilescope as an innovative private-owned enterprise. Our products are of high efficiency, clear image, convenient usage, easy repair, our own patents of high technology and perfect video solutions to professional medical field application.

MDH’s research and development team is composed of senior clinicians and engineers experienced in medical equipment research and development.

MDH endoscopes have got many design patents and utility patents. We got Innovation Fund for Technology Based SMEs by the central government with our own patented products in March, 2011. MDH endoscopes were identified as new high-tech products in Guangdong province in February, 2014.

MDH products have entered the video medical equipment market since 2012, famous for their uniqueness, widely appreciated and deeply trusted by the users. They have also entered many influential medical institutions and hospitals, playing vital roles in anaesthesia department, ICU, ER, respiratory department and ENT, etc.

ZOLL MEDICAL

BOOTH N°203A

Email: cwu@zoll.com
Phone: +65 6807 1600
Website: www.zoll.com

ZOLL Medical Corporation, an Asahi Kasei Group company, is a world leader in resuscitation and acute critical care technologies. With products for defibrillation and monitoring, circulation and CPR feedback, data management and fluid resuscitation, ZOLL is committed in providing a comprehensive set of technologies and software that help clinicians, EMS and military professionals, and lay rescuers resuscitate sudden cardiac arrest or trauma victims. ZOLL also develops market-leading temperature management therapies for the treatment of acute critical care patients, further advancing the Company’s dedication to improving clinical performance and saving lives. For more information, visit www.zoll.com.
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<td>Wolters Kluwer</td>
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<td>Zhejiang Runqiang Medical Instruments Co. Ltd.</td>
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VENUE PLANS

Level 5

Level 4

Level 3

Level 2

Level 1
For more than 25 years, Masimo has been focused on a singular mission—to create noninvasive patient monitoring technologies that are more effective and reliable and to improve patient outcomes by bringing these technologies to new sites and applications. The result is a portfolio of clinically-proven products that lead the way in innovation, performance and patient safety.

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