



European Association of
Cardiothoracic Anaesthesiology

eacta16

31st Annual Congress



FINAL PROGRAMME

HUMAN FACTORS UNDERPINNING PATIENT SAFETY

BASEL • SWITZERLAND

MAY 11-13 2016

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LETTER OF INVITATION



DEAR COLLEAGUES AND FRIENDS,

On behalf of the European Association of Cardiothoracic Anaesthesiology (EACTA) and the Local Organising Committee, it is our great pleasure to welcome you to the 2016 EACTA Annual Congress in Basel, Switzerland.

Human factors underpinning patient safety is the focus theme of the 2016 EACTA Annual Congress. In recent years, we have learnt that human factors both play an essential role in the safe delivery of patient care and are a major contributor to adverse outcomes. Therefore, one important part of the Congress programme focuses on 'human factors engineering', that is 'designing the workplace and the equipment in it to accommodate for limitations of human performance' (WHO Patient Safety Curriculum Guide). In addition, the programme offers a well-balanced mixture of lectures, workshops, postgraduate "crash courses", hands-on courses and abstract presentations covering many important scientific and practical issues in cardiac, thoracic and vascular anaesthesia and critical care medicine. A faculty of internationally renowned speakers have come to Basel to address the most important issues and hot controversies in our fields and scientific researchers are presenting results of their most recent work.

The friendly and informal attitude of an EACTA Congress gives you the great opportunity to informally meet experts in the fields of cardiac, thoracic and vascular anaesthesia and critical care medicine, discuss the challenges that we are facing in clinical practice and exchange ideas. And although the focus is on a stimulating professional meeting, the EACTA Annual Congress is not only about education and science; it is also about networking, meeting old friends again and making new friends.

Finally, also use the opportunity to enjoy the charming and joyful city of Basel with colleagues and friends. Basel is located on the Rhine River at the Three Countries Corner of Switzerland, Germany and France where diverse cultures, a multifaceted history and modern art and architecture all converge. It is renowned for its well preserved old town, world-class museums and landmarks of modern architecture by masters like Herzog & de Meuron, Mario Botta or Renzo Piano. Close by Basel are tourist sites in the Swiss Alps (for example, travel to Zermatt in just 3 hours by train), the Black Forest (DE) and the Alsace (FR) for you to explore. And be sure not to miss the pastry shops, sidewalk cafes and delicious restaurants: to explore Basel is a festival of all senses!

Welcome to the EACTA Annual Congress in Basel!

Manfred Seeberger
Chair of the LOC

Jens Fassl
Co-chair of the LOC

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Chair	Fabio Guarracino (Italy)
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WORKSHOPS AND COURSES

WORKSHOPS

THORACIC WORKSHOP – WEDNESDAY, 11 MAY 14.30

Anesthesia for thoracic surgery implies not just a thorough knowledge of the different lung separation techniques and devices but also how to make they work efficiently, knowledge of the different analgesia techniques and other technical devices that may contribute to maintain a perfect oxygenation without interfering with surgery and not to harm to the lungs during and after the operation.

After a brief theoretical presentation for the different lung separation techniques, analgesia and other technical supports that could be used for thoracic anesthesia, the participants will be divided in small groups. They will rotate at the different stations, where after a short explanation of the material to be used and practical demonstration by an expert, they will perform by themselves the different practical manipulations. A number of companies which usually furnish the materials worldwide are supporting our workshop too, so the participants will have the occasion to train with fiberoptic bronchoscope manipulation, left and right-sided double-lumen tube positioning, placement of almost all the available bronchial blockers on the market, use of different videolaryngoscopes, as well as thoracic epidural and paravertebral blocks under echographic guidance.

At the end of the workshop, the participants will be able to use the majority of devices available worldwide and will be familiarized with the different techniques for lung separation, one-lung ventilation and analgesia for thoracic surgery.

ECMO WORKSHOP – THURSDAY 12 MAY, 08.30/09.15/10.00/11.00

The ECMO Workshop will give you the opportunity to explore and experience normal and critical situations regularly seen in patients being supported with respiratory VV-ECMO. By the end of the session you will be familiar with a normal set up of an ECMO circuit and some of the most common complications. There will only be adult sessions. The sessions will run for a maximum of 45 minutes each and with a limited number of participants per session. Each workshop will be supported by a simulator which will mimic real life scenarios.

CPB WORKSHOP – THURSDAY 12 MAY, 14.00/14.30/15.00/15.30

Simulation: Use of Volatile Anaesthetics during CPB – What we need to know to adapt accordingly the circuit

- Objectives: Since the administration of volatile agents through CPB can be beneficial to the patients, the main objective of this Workshop is to alert cardiac anesthetists and perfusionists about the best practice of the use of volatile agents vaporized in the CPB circuit and to summarize some tricks and tips of this technique

- The main points to be reviewed:

- 1) Volatile Anaesthetics Vaporizers
- 2) Membrane Oxygenators
- 3) Antipollution Scavenging Systems Devices"

COURSES

CPB CRASH COURSES – THURSDAY, 12 MAY 08.30

Cardiopulmonary Bypass (CPB) is one of the unique and essential features of cardiac surgery. It was successfully introduced into clinical practice as early as 1953 by J.H. Gibbon.

Despite continuous perfection of the technique during the last 63 years, many challenges remain - not only for perfusionists but also for anaesthetists. These include acute kidney injury after CPB, cerebral monitoring during CPB, volatile anaesthetics versus propofol sedation, optimisation of protamine dosage, prime solutions, cardioplegia and CPB education and training in emerging economies. Eight lectures covering these important topics will be given by leading experts at the CPB Crash Course, including Giovanni Landoni, Christa Boer, Marco Ranucci and Charles W Hogue. There will be dedicated time for questions and discussions.

POSTGRADUATE CRASH COURSE IN COAGULATION AND TRANSFUSION IN CARDIAC SURGERY – FRIDAY, 13 MAY 09.00

Cardiac anaesthesiologists face questions of blood transfusion and coagulation every day. Only a thorough understanding of the pathophysiology of coagulation, haemostasis and transfusion in cardiac surgery helps to answer these questions. The "Crash Course on Transfusion and Coagulation in Cardiac Surgery" aims to deliver an up to date curriculum on the most important transfusion and coagulation issues in cardiac surgery. The scope of topics range from the pathophysiology of coagulation in cardiac surgery to treatment of HIT type II patients on bypass to special coagulation issues in paediatric cardiac surgery. This "Crash Course" covers a 4 hour program and will enable the attendees to answer the most important questions regarding coagulation and transfusion in different settings of cardiac surgery. The "Crash Course" is closely linked to a hands on-workshop on point of care coagulation devices that provides knowledge and hands on experiences in using these devices to assist decision making in patients with bleeding problems or other coagulation issues in the setting of cardiac surgery.

HANDS-ON COURSE POINT OF CARE COAGULATION – FRIDAY, 13 MAY 14.00

The Coagulation Workshop provides expert guided Hands On Session in performing coagulation and platelet function stat lab tests like TEG, ROTEM, Multiplate, pFA-100, and others. The Workshop is complementary with the Coagulation Crash Course but can be followed in its own course.

PROGRAMME OVERVIEW

WEDNESDAY, 11 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO	SYDNEY
7:30	REGISTRATION AND EXHIBITION					
8:30	Opening Ceremony Chairs: Manfred D Seeberger & Peter MJ Rosseel					
9:00	Welcome <i>H.E. Dr Lukas Engelberger</i> Minister of Health of Canton Basel-Stadt Opening Lecture OL - Human factors underpinning patient safety – the patients' perspective <i>Margrit Kessler, President of the Foundation of the Swiss Patient Organisation</i>					
	Plenary Lectures Chairs: Manfred D Seeberger & Peter MJ Rosseel					
9:30	PL01 - Plenary Lecture Patient safety - the role of anaesthesia societies and of individual anaesthetists <i>William Harrop-Griffiths, Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK</i>					
10:00	PL02 - Plenary Lecture The role of the cardiac anesthesiologist for patient outcome <i>Charles W Hogue, The Johns Hopkins University School of Medicine, Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA</i>					
10:30	COFFEE AND EXHIBITION					
	101 - Approved concepts for safety management and challenges for 2016 Chairs: Joachim Erb & Sven Staender	102 - Organ specific monitoring - hot topics Fabio Guarracino & Matthias Heringlake	103 - Controversies in vascular & thoracic surgical patients Philippe Gaudard & Miodrag Filipovic			
11:00	PL03 - Plenary Lecture This house believes that guidelines spell the death of professionalism: an auto-debate <i>William Harrop-Griffiths, Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK</i>	PL07 - Plenary Lecture Aspirin management in the light of POISE-2 - continue or withhold in surgical patients? <i>Bruce Biccadd, University of Cape Town, School of Clinical Medicine, Department of Perioperative Medicine, Cape Town, South Africa</i>	PL10 - Plenary Lecture Spinal cord protection in thoracic aortic surgery: where are we now? <i>Philippe Gaudard, France</i>			
11:30	PL04 - Plenary Lecture Human performance in the face of production pressure <i>Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland</i>	PL08 - Plenary Lecture Awareness during anaesthesia: evidence from the National Audit Project 5 <i>Lee Feddy, Wythenshawe Hospital, Department of Cardiothoracic Surgery, Manchester, UK</i>	PL11 - Plenary Lecture Perioperative oxygen supply - harm or help? <i>Mio Filipovic, Switzerland</i>			

WEDNESDAY, 11 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO	SYDNEY
12:00	PL05 - Plenary Lecture Crew resource management training <i>Marcus Rall, Universitätsklinikum Tübingen, Klinik Für Anästhesiologie Und Intensivmedizin, Tübingen, Germany</i>	PL09 - Plenary Lecture Decreases in cerebral oxygen saturation - can we reverse it and improve outcome? <i>Matthias Heringlake, University of Lübeck, Department of Anaesthesiology, Lübeck, Germany</i>	PL12 - Plenary Lecture Volatile vs.intravenous anaesthesia for thoracic and vascular surgical patients: specific advantages and disadvantages? <i>Manfred D Seeberger, Klinik Hirslanden, Institute of Anaesthesia and Intensive Care Medicine, Zürich, Switzerland</i>			
12:30	PL06 - Plenary Lecture Limitations of standardisation: the concept of Resilience <i>Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland</i>	104 - Oral presentations Chairs: Fabio Guarracino & Matthias Heringlake	105 - Oral presentations Chairs: Philippe Gaudard & Miodrag Filipovic			
13:00	LUNCH AND EXHIBITION					
13:30				IS01 - Industrial symposium		
	106 - Perioperative echocardiography Chairs: Chirojit Mukherjee & Shitalkumar Shah	107 - EBCP/EACTA Panel Chairs: Gudrun Kunst & Gudrun Kunst, Bodil Steen Rasmussen	108 - Oral presentations Chairs: Carl-Johan Jakobsen & Michael Sander	PS01 - Poster session Chairs: Dominique Bettex & Giovanni Landoni	WS01 - Thoracic workshop Chairs: Laszlo Szegedi & Marc Licker	
14:30	PL13 - Plenary Lecture Clinical excellence in echocardiography: reality or myth <i>Steffen Rex, University Hospitals Leuven, Department of Anaesthesiology & Department of Cardiovascular Sciences, Katholieke Universiteit Leuven, Belgium</i>	PL16 - Plenary Lecture CPB simulation training: clinical human factors <i>Frank Merkle, Deutsches Herzzentrum Berlin, Akademie Für Kardiotechnik, Berlin, Germany</i>				
15:00	PL14 - Plenary Lecture Misinterpretations of echocardiography <i>Stefan Bouchez, University Hospital Ghent, Department of Anaesthesiology, Ghent, Belgium</i>	PL17 - Plenary Lecture Ischaemia reperfusion injury in cardiac surgery – impact on postoperative clinical outcome? <i>Gavin Murphy, University of Leicester, Department of Cardiovascular Sciences, Leicester, UK</i>				
15:30	PL15 - Plenary Lecture How echocardiography can straighten out haemodynamic deterioration <i>Fabio Guarracino, University Hospital of Pisa, Department of Cardiothoracic Anaesthesia and Intensive Care Medicine, Pisa, Italy</i>	109 - Oral presentations Chairs: Gudrun Kunst & Bodil Steen Rasmussen				
16:00	COFFEE AND EXHIBITION					

WEDNESDAY, 11 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO	SYDNEY
	110 - State of the art - daily challenges <i>Chairs: David Mazer & Peter Rosseel</i>	111 - How would you decide? Difficult decisions in the cardiac operating room - TED Session <i>Chairs: Donna Greenhalgh & Uwe Schirmer</i>	112 - Working as a clinical anaesthesiologist <i>Chairs: Andrea Lassnigg & Sven-Erik Ricksten</i>	PS02 - Poster session <i>Chairs: Gianluca Paternoster & Manfred D Seeberger</i>	WS01 - Thoracic workshop (continued)	
16:30	PL18 - Plenary Lecture Anemia in elective cardiac surgical patients: a reason for delaying surgery or inevitable fate? <i>Christian von Heymann, Christian von Heymann, Vivantes Klinikum im Friedrichshain, Klinik für Anästhesie, Intensivmedizin und Schmerztherapie, Berlin, Germany</i>	PL20 - Plenary Lecture Case presentation from the University Hospital Basel <i>Joachim Mathias Erb, University Hospital Basel, Department of Anaesthesia, Basel, Switzerland and Oliver Reuthebuch, University Hospital Basel, Cardiac Surgery, Basel, Switzerland</i>	PL23 - Plenary Lecture Vigilance - fatigue management. What can we learn from the airline industry? <i>Roland Albrecht, Swiss Air Rescue, REGA, Zürich, Switzerland</i>			
17:00	PL19 - Plenary Lecture Cardiothoracic and vascular anaesthesia in Europe – a challenge for EACTA <i>Peter Rosseel, Amphio Hospital Breda, Department of Anaesthesia and Intensive Care, Breda, The Netherlands</i>	PL21 - Plenary Lecture Case presentation from the University Hospital Zürich <i>Dominique Bettex, University Hospital Zürich, Division of Cardiovascular Anaesthesia, Zürich, Switzerland</i>	PL24 - Plenary Lecture Administration of HES interferes with patient safety: fact or fiction? <i>Hans-Joachim Priebe, Albert Ludwigs University of Freiburg, Department of Anaesthesia, Merzhausen, Germany</i>			
17:30	113 - Oral presentations <i>Chairs: David Mazer & Peter Rosseel</i>	PL22 - Plenary Lecture Case presentation from the University Hospital Bern <i>Balthasar Eberle, Inselspital Bern, Universitätsklinik für Anästhesiologie Und Schmerztherapie, Bern, Switzerland</i>	114 - Oral presentations <i>Andrea Lassnigg & Sven-Erik Ricksten</i>			
18:00 - 19:00	WELCOME RECEPTION					

THURSDAY, 12 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO	SYDNEY
	201 - Coagulation & blood management <i>Chairs: Marco Ranucci & Marcus Lance</i>	202 - Thoracic session <i>Chairs: Laszlo Szegei & Marc Licker</i>	203 - CPB Crash Course <i>Chair: Gudrun Kunst</i>	PS03 - Poster session <i>Christa Boer & Matthias Heringlake</i>	WS02 - ECMO workshops <i>Chair: Ignacio Malagon</i>	TEE examination
8:30	PL25 - Plenary Lecture Coagulation management in major vascular surgery <i>Alast air F Nimmo, University of Edinburgh, Department of Anaesthesia Critical Care and Pain Medicine, Royal Infirmary of Edinburgh, UK</i>	PL28 - Plenary Lectures Ventilation to prevent pulmonary complications: „open the lung or not?“ Pro: Keep the lung open <i>Maria Carmen Unzueta, Hospital de Sant Pau, Department of Anaesthesiology, Barcelona, Spain</i> Con: Let's be permissive with atelectasis! <i>Mert Senturk, Istanbul University, Faculty of Medicine, Department of Anaesthesiology, Istanbul, Turkey</i>	1 Renal protection and CPB <i>Marc Vives, University of Barcelona, Bellvitge University Hospital, Department of Anaesthesiology and Critical Care, Barcelona, Spain</i> 2 CPB – Techniques, education and training, a perspective from India <i>Deepak Tempe, G.B. Pant Hospital, Department of Anaesthesiology, New Delhi, India</i> 3 Volatile anaesthetics versus TIVA during CPB <i>Giovani Landoni, Vita-Salute San Raffaele University, Department of Cardiovascular Anaesthesia, Milan, Italy</i> 4 Volatile anaesthetics during CPB, risks and technical issues <i>Caetano Nigro Neta, Federal University of São Paulo (UNIFESP), Department of Anaesthesiology, São Paulo, Brazil</i> 5 Prime solutions and cardioplegia: an update <i>Florian Falter, Papworth Hospital, Department of Cardiothoracic Anaesthesia & Intensive Care, Cambridge, UK</i>		08:30 - 09:15 ECMO workshop 01	Check-in from 08.00 Exam: 09.30-13.30
9:00	PL26 - Plenary Lecture FFP vs factor concentrates in cardio-surgical patients <i>Marcus Lance, Maastricht University Medical Center, Department of Anaesthesiology and Pain Treatment, Maastricht, The Netherlands</i>	PL29 - Plenary Lectures Thoracic surgery without intubation: appropriate or not? Pro: Without intubation is appropriate <i>Waheedulah Karzai, Zentralklinik Bad Berka GmbH, "Klinik Für Anästhesie Und Intensivmedizin, Bad Berka, Germany</i> Con: Without intubation is not appropriate <i>Laszlo Szegei, Brussels University Hospital, Department of Anaesthesiology, Brussels, Belgium</i>	09:15 - 10:00 ECMO workshop 02			
9:30	PL27 - Plenary Lecture Patient blood management <i>Kai Zacharowski, University Hospital Frankfurt, Department of Anaesthesiology, Intensive Care Medicine and Pain Therapy, Frankfurt am Main, Germany</i>					
10:00	204 - Oral presentations <i>Chairs: Marco Ranucci & Marcus Lance</i>	205 - Oral Presentations <i>Chairs: Edmond Cohen & Laszlo Szegei</i>			10:00 - 10:45 ECMO workshop 03	
10:30	COFFEE AND EXHIBITION					
	206 - Paediatric cardiac surgery <i>Chairs: Gabor Erdoes & Mona Momeni</i>	202 - Thoracic Session (continued)	203 - CPB Crash Course (continued)		ECMO Workshops (cont.)	
11:00	PL31 - Plenary Lecture Team work and its prevention in paediatric cardiac surgery <i>Antonius NJ Schouten, University Medical Center Utrecht, Wilhelmina Children's Hospital, Department of Anaesthesiology, Intensive Care and Emergency Medicine, Utrecht, The Netherlands</i>	PL30 - Plenary Lectures Fluid management : «Dry» or «optimised»? Keep the patient dry! <i>Marc Licker, University Hospital of Geneva, Department of Anaesthesiology, Pharmacology & Intensive Care, Geneva, Switzerland</i> Goal-direct optimization is best to improve outcomes <i>Giorgio Della Rocca, University of Udine Medical School, Department of Anaesthesia and Intensive Care Medicine, Udine, Italy</i>	6 Cerebral monitoring and postoperative outcome during CPB, what is new? <i>Charles W Hogue, The Johns Hopkins University School of Medicine, Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA</i> 7 Evidence-based practice for the dose of protamine <i>Christa Boer, VU University Medical Center, Institute for Cardiovascular Research, Department of Anaesthesiology, Amsterdam, The Netherlands</i>		11:00 - 11:45 ECMO workshop 04	
11:30	PL32 - Plenary Lecture Brain monitoring during congenital cardiac surgery: is there any evidence? <i>Mona Momeni, Catholic University of Louvain, Department of Anaesthesiology, Brussels, Belgium</i>		8 How to maintain optimal perfusion during CPB? <i>Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic and Vascular Anaesthesia & Intensive Care Unit, Milan, Italy</i>			

THURSDAY, 12 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO	SYDNEY
12:00	207 - Best abstracts presentations (Orals and Posters) Chairs: Patrick Wouters & Bodil Steen Rasmussen					
13:00	GENERAL ASSEMBLY	LUNCH AND EXHIBITION				
13:30		IS02 - Industrial symposium				
	208 - National and international campaigns for safety Donna Greenhalgh & Mert Senturk	209 - New technologies in cardiology and cardiac surgery Chairs: Sascha Treskatsch & Dominique Bettex	210 - State of the art lectures Chairs: Joachim Erb & Jörg Ender		WS03 - CPB workshop Chair: Caetano Nigro Neto	
14:30	PL33 - Plenary Lecture What can we learn from the National Audit Project of major complications of airway management in the UK? Donna Greenhalgh, Wythenshawe Hospital, Anaesthetic Department, Manchester, UK	PL36 - Plenary Lecture New techniques for aortic valve stenosis and insufficiency Friedrich Eckstein, University Hospital Basel, Clinic of Cardiac Surgery, Basel, Switzerland	PL39 - Plenary Lecture Perioperative management of NOACs Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic and Vascular Anaesthesia & Intensive Care Unit, Milan, Italy		Simulation: "Use of Volatile Anaesthetics During CPB – What we need to know to adapt accordingly the circuit" 1) Volatile anaesthetics vaporizers 2) Membrane oxygenators 3) Antipollution scavenging systems devices Four 30 minutes sessions Contributors: Giovanni Landoni, Vita-Salute San Raffaele University, Department of Cardiovascular Anaesthesia, Milan, Italy Gianluca Paternoster, San Carlo Hospital, Cardiovascular Anaesthesia and Intensive Care Unit, Potenza, Italy Vladimir V Lomivorotov, State Research Institute of Circulation Pathology, Department of Anaesthesiology and Intensive Care, Novosibirsk, Russian Federation Manoel de Souza Neto, Dante Pazzanese Institute of Cardiology and HCor - Heart Institute, São Paulo, Brazil	
15:00	PL34 - Plenary Lecture 'Never events' - never mind? William Harrop-Griffiths, Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK	PL37 - Plenary Lecture Use of cardiac troponin and natriuretic peptides in the perioperative setting Christian Müller, University Hospital Basel, Department of Cardiology, Basel, Switzerland	PL40 - Plenary Lecture 3D echocardiography - what is really useful in clinical practice? Jörg Ender, University of Leipzig, Heart Center Leipzig, Department of Anaesthesiology and Intensive Care Medicine II, Leipzig, Germany			
15:30	PL35 - Plenary Lecture The campaigns of the European Patient Safety Foundation: „Kids safe life“ and „OPUS“ Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland	PL38 - Plenary Lecture Transcatheter aortic valve implantation - does anaesthesia make the difference Steffen Rex, University Hospitals Leuven, Department of Anaesthesiology & Department of Cardiovascular Sciences, Katholieke Universiteit Leuven, Belgium	PL41 - Plenary Lecture Tricuspid regurgitation in the cardiac OR - how to assess, when to correct Fabio Guarracino, University Hospital of Pisa, Department of Cardiothoracic Anaesthesia and Intensive Care Medicine, Pisa, Italy			
16:00	COFFEE AND EXHIBITION					

THURSDAY, 12 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO	SYDNEY
	211 - Organ cross talks <i>Chairs: Charles Hogue & Jens Fassl</i>	212 - Difficult problems in the cardiac operating room and the intensive care unit <i>Chairs: Vladimir V Lomivorotov & Anne Westerlind</i>	213 - To treat or not to treat <i>Chairs: Christian von Heymann & Irene Rovira</i>	PS04 - Poster session <i>Chairs: Joachim Erb & Daniel Bolliger</i>	214 - Oral presentations <i>Chairs: Steffen Rex & Erik de Waal</i>	
16:30	PL42 - Plenary Lecture Cerebral autoregulation in cardiac anaesthesia <i>Chrls W Hogue, The Johns Hopkins University School of Medicine, Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA</i>	PL45 - Plenary Lecture Improving oxygenation postoperatively: the role of alveolar recruitment <i>Mikhail Kirov, Northern State Medical University, Department of Anaesthesiology and Intensive Care Medicine, Arkhangelsk, Russian Federation</i>	PL47 - Plenary Lecture Are ethical guidelines helpful for deciding on intensive-care interventions? <i>Hans Henrik Bülow, Holbæk Hospital, Department of Intensive Care, Holbæk, Denmark</i>			
17:00	PL43 - Plenary Lecture The ageing brain: is there a limit of learning? <i>Martin Meyer, University Hospital Zürich, Department of Psychology, Zürich, Switzerland</i>	PL46 - Plenary Lecture Atrial fibrillation in the ICU: how to prevent, how to treat <i>Vladimir V Lomivorotov, State Research Institute of Circulation Pathology, Department of Anaesthesiology and Intensive Care, Novosibirsk, Russian Federation</i>	PL48 - Plenary Lecture Transfusion triggers in cardiac surgery <i>Christian von Heymann, Christian von Heymann, Vivantes Klinikum im Friedrichshain, Klinik für Anästhesie, Intensivmedizin und Schmerztherapie, Berlin, Germany</i>			
17:30	PL44 - Plenary Lecture Heart-brain cross talk - what do we need to know <i>Burkhard Mackensen, University of Washington Medical Centre, Division of Cardiothoracic Anaesthesia, Anaesthesiology & Pain Medicine, Seattle, WA, USA</i>	215 - Oral Presentations <i>Chairs: Vladimir V Lomivorotov & Anne Westerlind</i>	PL49 - Plenary Lecture Mandatory mask ventilation before muscle relaxation: any evidence? <i>Thomas Schnider, Cantonal Hospital St. Gallen, Division of Anaesthesiology, Intensive Care, Rescue and Pain Medicine, St. Gallen, Switzerland</i>			
18:00						
18:30						
19:00 - 22:45	CONGRESS DINNER					

FRIDAY, 13 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO
	301 - EACTA-SCA panel Patient safety - the importance of teamwork and interdisciplinary communication <i>Chair: Linda Shore-Lesserson & Peter MJ Rosseel</i>	302 - Circulatory support <i>Chairs: Peter Alston & Friedrich Eckstein</i>	303 - Oral presentations <i>Chairs: Christian von Heymann & Christa Boer</i>	PS05 - Poster session <i>Chairs: Stefaan Bouchez & Waldemar Goździk</i>	
8:30	PL50 - Plenary Lecture Strategies for reducing human error in the cardiovascular operating room <i>James Abernathy, The Medical University of South Carolina (MUSC), Division of Cardiothoracic Anaesthesia, Charleston, SC, USA</i>	PL53 - Plenary Lecture Difficult separation from cardiopulmonary bypass <i>Marc Licker, University Hospital of Geneva, Department of Anaesthesiology, Pharmacology & Intensive Care, Geneva, Switzerland</i>			09:00 - 13:00 304 - Postgraduate crash course in coagulation and transfusion in cardiac surgery <i>Chair: Christan von Heymann</i>
9:00	PL51 - Plenary Lecture Perioperative management of patients taking anticoagulant medication - who decides? <i>Linda Shore-Lesserson, Hofstra North Shore, LJI School of Medicine, Department of Anaesthesiology, Hempstead, NY, USA</i>	PL54 - Plenary Lecture When is it time to stop the inotropes and start the ECMO? <i>Jens Fassl, University Basel, Department of Anaesthesiology and Intensive Care Medicine, Basel, Switzerland</i>			Pathophysiology of coagulation in cardiac surgery <i>Christa Boer, VU University Medical Center, Institute For Cardiovascular Research, Department of Anaesthesiology, Amsterdam, The Netherlands</i>
9:30	PL52 - Plenary Lecture "The team" in structural heart disease - how is it different? <i>Burkhard Mackensen, University of Washington Medical Centre, Division of Cardiothoracic Anaesthesia, Anaesthesiology & Pain Medicine, Seattle, WA, USA</i>	PL55 - Plenary Lecture Current mechanical assist devices and implications for the anaesthesiologist <i>Angela Rayek, Medical University of Vienna, Department of Anaesthesiology and General Intensive Care Medicine, Division of Cardiothoracic and Vascular Anaesthesiology & Critical Care Medicine, Vienna, Austria</i>			Monitoring coagulation and platelet function during cardiac surgery <i>Markus Lance, Maastricht University Medical Center, Department of Anaesthesiology and Pain Treatment, Maastricht, The Netherlands</i>
10:00	305 - Oral presentations <i>Chairs: Linda Shore-Lesserson & Burkhard Mackensen</i>	306 - Oral presentations <i>Chairs: Peter Alston & Friedrich Eckstein</i>			Pathophysiology and monitoring of coagulopathy in children with congenital heart defects <i>Birgitta Romlin, Queen Silvia's Children Hospital, Department of Paediatric Anaesthesia and Intensive Care, Göteborg, Sweden</i>
10:30	COFFEE AND EXHIBITION				Anticoagulation during ECMO <i>Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic and Vascular Anaesthesia & Intensive Care Unit, Milan, Italy</i>
	307 - State of the art lectures <i>Chairs: Patrick Wouters & Giovanni Landoni</i>	308 - Perioperative care <i>Chairs: Jörg Ender & João Viterbo</i>		PS06 - Poster session <i>Chairs: Carl-Johan Jakobsen & Peter Alston</i>	Risk factors and treatment of bleeding after cardiac surgery <i>Gabor Erdős, University of Bern, Department of Anaesthesiology and Pain Therapy, Bern, Switzerland</i>
11:00	PL56 - Plenary Lecture TEE evaluation of the right heart <i>Justiaan Swanevelder, University of Cape Town, Department of Anaesthesia, Cape Town, South Africa</i>	PL59 - Plenary Lecture Fast track in cardiac surgery <i>Jörg Ender, University of Leipzig, Heart Center Leipzig, Department of Anaesthesiology and Intensive Care Medicine II, Leipzig, Germany</i>			Goal directed haemostatic protocol for the bleeding cardiac surgery patient <i>Daniel Bolliger, University Hospital Basel, Department of Anaesthesia, Surgical Intensive Care and Pain Therapy, Basel, Switzerland</i>
11:30	PL57 - Plenary Lecture Current concepts in the management of right heart failure <i>Patrick Wouters, University of Ghent, Department of Anaesthesiology and Clinical Physiology, Ghent, Belgium</i>	PL60 - Plenary Lecture Pulmonary hypertension: a contraindication for lung resection? <i>Tamás Végh, University of Debrecen, Department of Anaesthesiology and Intensive Care, Debrecen, Hungary</i>			Update on the management of HIT II in cardiac surgery <i>Andreas Koster, Ruhr-University Bochum, Institute for Anaesthesiology, Heart and Diabetes Center - NRW, Bad Oeynhausen, Germany</i>
12:00	PL58 - Plenary Lecture Current concepts in the management of pulmonary hypertension <i>Sven-Eric Ricksten, Sahlgrenska University Hospital, Department of Anaesthesiology and Intensive Care, Göteborg, Sweden</i>	PL61 - Plenary Lecture Acute kidney injury <i>Matthias Heringlake, University of Lübeck, Department of Anaesthesiology, Lübeck, Germany</i>			How to manage coagulation and thromboprophylaxis after cardiac surgery <i>Wulf Dietrich, University of Munich, Institute for Research in Cardiac Anaesthesia and Working Group of Perioperative Hemostasis, Munich, Germany</i>
12:30	309 - Oral presentations <i>Chairs: Patrick Wouters & Giovanni Landoni</i>	310 - Oral presentations <i>Chairs: Jörg Ender & João Viterbo</i>			Management of anaemia and red blood cell transfusion in cardiac surgery <i>Christian von Heymann, Vivantes Klinikum im Friedrichshain, Klinik für Anästhesie, Intensivmedizin und Schmerztherapie, Berlin, Germany</i>
13:00	LUNCH AND EXHIBITION				Closing remarks, feedback, optional post course examination

FRIDAY, 13 MAY 2016

	MONTREAL	SINGAPORE	OSAKA/SAMARKAND	EXHIBITION AREA	RIO
13:30		IS03 - Industrial symposium	IS04 - Industrial symposium		Hands-on course – Point of care coagulation <i>Chair: Daniel Bolliger</i>
	312 - Thoracic and vascular surgery <i>Chairs: Fabio Guarracino & Jens Fassl</i>	313 - Intensive care medicine <i>Chairs: Bodil Steen Rasmussen & Patrick Wouters</i>	314 - Individual and team related factors of safety <i>Chairs: Peter Rossee & Manfred Seeberger</i>		ROTEM <i>Daniel Bolliger, University Hospital Basel, Department of Anaesthesia, Surgical Intensive Care and Pain Therapy, Basel, Switzerland</i>
14:30	PL62 - Plenary Lecture Challenges in anaesthesia management of congenital and acquired heart valvular disease in the obstetric patient <i>Justiaan Swanevelder, University of Cape Town, Department of Anaesthesia, Cape Town, South Africa</i>	PL65 - Plenary Lecture The role of therapeutic hypothermia in comatose patients after out-of-hospital cardiac arrest <i>Bodil Steen Rasmussen, Aalborg University Hospital, Department of Anaesthesia and Intensive Care Medicine, Aalborg, Denmark</i>	PL68 - Plenary Lecture Human limitations in the operating room: stress and fatigue <i>Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland</i>		Platelet works <i>Christoph Hofer, Triemli City Hospital Zürich, Institute of Anaesthesiology and Intensive Care Medicine, Zürich, Switzerland</i>
15:00	PL63 - Plenary Lecture Preoperative evaluation of the vascular patient: what is needed, what is appropriate? <i>Bruce Biccard, Bruce Biccard, University of Cape Town, School of Clinical Medicine, Department of Perioperative Medicine, Cape Town, South Africa</i>	PL66 - Plenary Lecture Perioperative management of a cardiac surgical patient with heart failure <i>Dominique Bettex, University Hospital Zürich, Division of Cardiovascular Anaesthesia, Zürich, Switzerland</i>	PL69 - Plenary Lecture Diagnostic error and heuristics in acute care settings <i>Edourd Battagay, University Hospital Zürich, Division of Internal Medicine, Zürich, Switzerland</i>		Multiplate <i>Marcus Lance, Maastricht University Medical Center, Department of Anaesthesiology and Pain Treatment, Maastricht, The Netherlands</i>
15:30	PL64 - Plenary Lecture Anaesthesia for carotid endarterectomy: where do we stand today? <i>Dragana Unic-Stojanovic, Cardiovascular Institute "Dedinje", Department of Anaesthesiology and Critical Care, Belgrade, Serbia</i>	PL67 - Plenary Lecture Steroids in patients undergoing cardiac surgery - any good? <i>Stefan Dieleman, University Medical Center Utrecht, Department of Anaesthesiology and Intensive Care, Utrecht, The Netherlands</i>	PL70 - Plenary Lecture When things did go wrong: open disclosure and "second victim" <i>Tanja Manser, University of Bonn Medical Faculty, Department of Patient Safety, Bonn, Germany</i>		HepCon <i>Gabor Erdős, University of Bern, Department of Anaesthesiology and Pain Therapy, Bern, Switzerland</i>
16:00	AWARDS CLOSING CEREMONY				

SCIENTIFIC PROGRAMME

WEDNESDAY, 11 MAY 2016

08:30 - 09:30, Montreal

Opening Ceremony

Chairs: Manfred D Seeberger & Peter MJ Rosseel

Welcome

Manfred D Seeberger, Chair of EACTA 2016 Local Organising Committee

Welcome

H.E. Dr Lukas Engelberger, Minister of Health of Canton Basel-Stadt

Welcome

Peter MJ Rosseel, President of EACTA

Welcome

Fabio Guarracino, Chair of the Annual Congress

OL Opening Lecture

- 09:00 - 09:30 **OL** Human factors underpinning patient safety – the patients' perspective
Margrit Kessler, President of the of the Swiss Patient Foundation

09:30 - 10:30, Montreal

PL Plenary Lectures

Chairs: Manfred D Seeberger & Peter MJ Rosseel

- 09:30 - 10:00 **PL01** Patient safety - the role of anaesthesia societies and of individual anaesthetists
William Harrop-Griffith, Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK
- 10:00 - 10:30 **PL02** The role of the cardiac anaesthesiologist for patient outcome
Charles W Hogue, The Johns Hopkins University School of Medicine, Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA

10:30 - 11:00

Coffee Break & Exhibition

11:00 - 13:00, Montreal

I01 Approved concepts for safety management and challenges for 2016

Chairs: Joachim Erb & Sven Staender

- 11:00 - 11:30 **PL03** This house believes that guidelines spell the death of professionalism: an auto-debate
William Harrop-Griffith, Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK

WEDNESDAY, 11 MAY 2016

I01 Approved concepts for safety management and challenges for 2016 (cont.)

- 11:30 - 12:00 **PL04** Human performance in the face of production pressure
Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland
- 12:00 - 12:30 **PL05** Crew resource management training
Marcus Rall, Universitätsklinikum Tübingen, Klinik für Anästhesiologie und Intensivmedizin, Tübingen, Germany
- 12:30 - 13:00 **PL06** Limitations of standardisation: the concept of Resilience
Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland

11:00 - 12:30, Singapore

I02 Organ specific monitoring - hot topics

Chairs: Fabio Guarracino & Matthias Heringlake

- 11:00 - 11:30 **PL07** Aspirin management in the light of POISE-2 - continue or withhold in surgical patients?
Bruce Biccard, University of Cape Town, School of Clinical Medicine, Department of Perioperative Medicine, Cape Town, South Africa
- 11:30 - 12:00 **PL08** Awareness during anaesthesia: evidence from the National Audit Project 5
Lee Feddy, Wythenshawe Hospital, Department of Cardiothoracic Surgery, Manchester, UK
- 12:00 - 12:30 **PL09** Decreases in cerebral oxygen saturation - can we reverse it and improve outcome?
Matthias Heringlake, University of Lübeck, Department of Anaesthesiology, Lübeck, Germany

11:00 - 12:30, Osaka/Samarkand

I03 Controversies in vascular & thoracic surgical patients

Chairs: Philippe Gaudard & Miodrag Filipovic

- 11:00 - 11:30 **PL10** Spinal cord protection in thoracic aortic surgery: where are we now?
Philippe Gaudard, CHU Montpellier, France
- 11:30 - 12:00 **PL11** Perioperative oxygen supply - harm or help?
Miodrag Filipovic, Kantonsspital St. Gallen, Klinik für Anästhesiologie, Intensiv-, Rettungs- und Schmerzmedizin, Chirurgische Intensivstation, St. Gallen, Switzerland
- 12:00 - 12:30 **PL12** Volatile vs. intravenous anaesthesia for thoracic and vascular surgical patients: specific advantages and disadvantages?
Manfred D Seeberger, Klinik Hirslanden, Institute of Anaesthesia and Intensive Care Medicine, Zürich, Switzerland

12:30 - 13:00, Singapore**I04 Oral presentations****Chairs: Fabio Guarracino & Matthias Heringlake**

- 12:30 - 12:40 **OP01** Does cerebral oxygen desaturation as measured by near-infrared spectroscopy predict acute kidney injury after cardiac surgery?
Kevin Humblet, C Watremez, M Momeni
Presenter's affiliation: Université Catholique de Louvain, Cliniques Universitaires Saint Luc, Brussels, Belgium
- 12:40 - 12:50 **OP02** Coronary sinus blood isoflurane concentration in patients undergoing heart surgery
Ka Ting Ng, RP Alston
Presenter's affiliation: University of Edinburgh, College of Medicine & Veterinary Medicine, Edinburgh, UK
- 12:50 - 13:00 **OP03** Evaluation of a novel point of care blood gas analyser
L Miles, A Klein, G Martinez, D Jenkins, R Ferris, Kiran Salaunkey
Presenter's affiliation: Papworth Hospital, Department of Anaesthesia and Intensive Care, Papworth, UK

12:30 - 13:00, Osaka/Samarkand**I05 Oral presentations****Chairs: Philippe Gaudard & Miodrag Filipovic**

- 12:30 - 12:40 **OP04** A rational anaesthesia care program for endovascular renal denervation
Nikolai Kemenshchikov, S Pekarskiy, A Baev
Presenter's affiliation: Tomsk Research Institute For Cardiology, Department of Clinical Cardiology, Tomsk, Russian Federation
- 12:40 - 12:50 **OP05** Antegrade descending stent implantation in acute type a aortic dissection repair is associated with improved short- and midterm outcomes
Peter Matt, P Banerjee, U Schurr, F Rüter, D Bolliger, M Grapow, O Reuthebuch, J Fassl, F Eckstein
Presenter's affiliation: Division of Cardiac Surgery, University Hospital Basel, Switzerland
- 12:50 - 13:00 **OP06** Effect of paravertebral dexmedetomidine administration on intraoperative anesthetic drug requirement and incidence of post thoracotomy pain syndrome
Bhupesh Kumar, V Dutta, A Jayant, H Singh
Presenter's affiliation: Post Graduate Institute of Medical Education And Research, Chandigarh, India

13:00 - 14:30**Lunch & Exhibition****13:30 - 14:30, Singapore****IS01 Industrial symposium****14:30 - 16:00, Montreal****I06 Perioperative echocardiography****Chairs: Chirojit Mukherjee & Shitalkumar Shah**

- 14:30 - 15:00 **PL13** Clinical excellence in echocardiography: reality or myth
Steffen Rex, University Hospitals Leuven, Department of Anaesthesiology & Department of Cardiovascular Sciences, Katholieke Universiteit Leuven, Belgium
- 15:00 - 15:30 **PL14** Misinterpretations of echocardiography
Stefan Bouchez, University Hospital Ghent, Department of Anaesthesiology, Ghent, Belgium
- 15:30 - 16:00 **PL15** How echocardiography can straighten out haemodynamic deterioration
Fabio Guarracino, University Hospital of Pisa, Department of Cardiothoracic Anaesthesia and Intensive Care Medicine, Pisa, Italy

14:30 - 15:30, Singapore**I07 EBCP/EACTA Panel****Chair: Gudrun Kunst & Bodil Steen Rasmussen**

- 14:30 - 15:00 **PL16** CPB simulation training: clinical human factors
Frank Merkle, Deutsches Herzzentrum Berlin, Akademie für Kardiotechnik, Berlin, Germany
- 15:00 - 15:30 **PL17** Ischaemia reperfusion injury in cardiac surgery - impact on postoperative clinical outcome?
Gavin Murphy, University of Leicester, Department of Cardiovascular Sciences, Leicester, UK

14:30 - 16:00, Osaka/Samarkand**I08 Oral presentations****Chairs: Carl-Johan Jakobsen & Michael Sander**

- 14:30 - 14:40 **OP07** Role of neutrophil-derived oxidative stress and permeability factors in Lung Transplantation
Rosalba Romano, L Thakuria, S Sheibani, S Soresi, P Dalal, F de Robertis, A Popov, T Bahrami, M Amrani, M Carby, A Reed, A Simon, N Marczin
Presenter's affiliation: Department of Surgery and Cancer, Section of Anaesthetics, Imperial College London, UK & Royal Brompton & Harefield NHS Foundation Trust, Harefield Hospital, Harefield, UK

I08 Oral presentations (cont.)

- 14:40 - 14:50 **OP08** Neutrophil-derived inflammatory markers and acute kidney injury after lung transplantation
Rosalba Romano, L Thakuria, S Soresi, F de Robertis, A Popov, T Bahrami, M Amrani, M Carby, A Reed, A Simon, N Marczin
 Presenter's affiliation: Department of Surgery and Cancer, Section of Anaesthetics, Imperial College London, UK & Royal Brompton & Harefield NHS Foundation Trust, Harefield Hospital, Harefield, UK
- 14:50 - 15:00 **OP09** Evaluation of neutrophil activation in donor lungs for transplantation during perfusion with the organ care system
Rosalba Romano, L Thakuria, S Sheibani, S Soresi, F De Robertis, A Popov, M Amrani, T Bahrami, M Carby, A Reed, A Simon, N Marczin
 Presenter's affiliation: Department of Surgery and Cancer, Section of Anaesthetics, Imperial College London, UK & Royal Brompton & Harefield NHS Foundation Trust, Harefield Hospital, Harefield, UK
- 15:00 - 15:10 **OP10** Remote preconditioning protects early renal functions in low risk cardiac surgery patients
Funda Yildirim, AT Kurdal, T Ozturk, O Yuksel, C Gozukara, F Taneli, GD Horasan, M Cerrahoglu
 Presenter's affiliation: Celal Bayar University, Department of Cardiovascular Surgery, Manisa, Turkey
- 15:10 - 15:20 **OP11** Disorder of cerebrovascular autoregulation during cardiac surgery with CPB and its relation with the rate of post – operative cognitive dysfunction
Birute Kumpaitiene, M Svagzdiene, E Sirvinskas, R Zakelis, V Petkus, R Chomskis, A Ragauskas, R Benetis
 Presenter's affiliation: Hospital of Lithuanian University of Health Sciences, Kauno Klinikos, Lithuania
- 15:20 - 15:30 **OP12** Novel biomarkers (TIMP-2 and IGFBP7) of renal cell damage for the prediction of the cardiac surgery associated acute kidney injury - a feasibility study
Jens Fassl, T Mayer, O Reuthebuch, M Grapow, P Matt, M Scholz, MD Seeberger, D Bolliger
 Presenter's affiliation: University Basel, Department of Anaesthesiology and Intensive Care Medicine, Basel, Switzerland
- 15:30 - 15:40 **OP13** Hypoxic and hyperoxic preconditioning in myocardial protection against ischemia-reperfusion Injury: experimental study
Irina Mandel, Y Podoxenov, I Suhodolo, A Podoxenov, Y Svirko, N Kamenschikov, S Mikheev, A Sementsov, A Dzman, L Maslov
 Presenter's affiliation: Research Institute for Cardiology, Department of Anaesthesiology and Intensive Care, Tomsk, Russian Federation

I08 Oral presentations (cont.)

- 15:40 - 15:50 **OP23** Intraoperative conversion to on pump CABG is independently associated with higher mortality in patients undergoing off pump CABG - a propensity matched analysis
Deepak Borde, B Asegaonkar, P Apsingekar, S Khade, S Futane, A Annachhatre, M Puranik, Y Belapurkar, A Deodhar, A George, S Joshi
 Presenter's affiliation: Ozone Anaesthesia Group, Department of Cardiac Anaesthesia, Aurangabad, India

14:30 - 16:00, Poster & Exhibition Area**PS01****Poster session****Chairs: Dominique Bettex & Giovanni Landoni**

- P01** Comparison of perioperative myocardial protection with use of lidocaine after coronary artery bypass graft surgery
Omer Faruk Savluk, D Guzelmeric, I Sýncar, Y Yavuz, D Cevirme, E Gurcu, K Oguş, A Erköylünc, T Kocak
 Presenter's affiliation: Kartal Kosuyolu High Education and Training Hospital, Istanbul, Turkey
- P02** Anaesthesia for cardiac surgery procedures without a central venous catheter
Sandeep P Tambe, PK Ryhammer, RP Bhavsar, P Jhul-Olsen, E Sloth
 Presenter's affiliation: Aarhus University Hospital, Department of Anaesthesia and Intensive Care, Aarhus, Denmark
- P03** The effect of opium tincture in the anesthetic management of opium addicted patients undergoing open heart surgery
Behzad Maghsoudi, M Kamali, HR Tabatabaie, A Mokri
 Presenter's affiliation: Shiraz University of Medical Sciences, Anaesthesia and Intensive Care Department, Fellowship of Cardiac Anaesthesia, Fellowship of Critical Care Medicine, Iran
- P04** Efficacy and safety of fibrinogen concentrate in surgical patients: a meta-analysis of randomised controlled trials
Evgeny Fominskiy, VV Lomivorotov, V Nepomniashchikh, F Monaco, C Vitiello, C D Votta, V Camarda, G Landoni
 Presenter's affiliation: Academician EN Meshalkin Novosibirsk State Budget Research Institute of Circulation Pathology, Novosibirsk, Russian Federation
- P05** Left atrial appendage closure without general anaesthesia
Evgeny Fominskiy, F Monaco, C D Votta, N Villari, R Capucci, JC Lopez-Delgado, V Camarda, M Baiardo Redaelli, A Oriani, A Zangrillo
 Presenter's affiliation: Academician EN Meshalkin Novosibirsk State Budget Research Institute of Circulation Pathology, Novosibirsk, Russian Federation

PS01 Poster session (cont.)

- P06** The cost of the pump. Economic implications to avoid cardiopulmonary bypass.
Fernando Clau-Terré, R Rodriguez-Lecoq, E Hernandez-Montero, A Fuentes, C Torrents
 Presenter's affiliation: Consorci Sanitari Terrassa, Vall D'Hebrón Research Institute
 Department of Anaesthesia and Intensive Care, Barcelona, Spain

14:30 - 18:00, Rio**WS01 Thoracic workshop**

Chairs: Laszlo Szegedi & Marc Licker

Contributors:
Laszlo Szegedi, Brussels University Hospital, Department of Anaesthesiology, Brussels, Belgium

Marc Licker, University Hospital of Geneva, Department of Anaesthesiology, Pharmacology & Intensive Care, Geneva, Switzerland

15:30 - 16:00, Singapore**109 Oral presentations**

Chairs: Gudrun Kunst & Bodil Steen Rasmussen

- 15:30 - 15:40 **OPI4** Computer-assisted cardiopulmonary bypass: the possible way to improve safety
Anna Semenova, V Agapov, M Shigaev
 Presenter's affiliation: Saratov State Medical University, Saratov, Russian Federation
- 15:40 - 15:50 **OPI5** Perfusion pressure cerebral infarction (PPCI) trial - a protocol for a randomised clinical trial
Anne G Vedel, F Holmgaard, HB Ravn, JC Nilsson
 Presenter's affiliation: Rigshospitalet - Copenhagen University Hospital, Department of Cardiothoracic Anaesthesiology, Copenhagen, Denmark
- 15:50 - 16:00 **OPI6** Trends of central and somatic rSO₂ during cardiopulmonary bypass in adults and their interaction with cardiopulmonary bypass parameters
Anna Semenova, V Agapov, I Evstifeev, M Shigaev, A Zhukov
 Presenter's affiliation: Saratov State Medical University, Saratov, Russian Federation

16:00 - 16:30**Coffee Break & Exhibition****16:30 - 17:30, Montreal****110****State of the art - daily challenges**

Chairs: David Mazer & Peter MJ Rosseel

- 16:30 - 17:00 **PL18** Anaemia in elective cardiac surgical patients: a reason for delaying surgery or inevitable fate?
Christian von Heymann, Vivantes Klinikum im Friedrichshain, Klinik für Anästhesie, Intensivmedizin und Schmerztherapie, Berlin, Germany
- 17:00 - 17:30 **PL19** Cardiothoracic and vascular anaesthesia in Europe - a challenge for EACTA
Peter Rosseel, Amphia Hospital Breda, Department of Anaesthesia and Intensive Care, Breda, The Netherlands

16:30 - 18:00, Singapore**111****How would you decide? Difficult decisions in the cardiac operating room****TED Session**

Chairs: Donna Greenhalgh & Uwe Schirmer

- 16:30 - 17:00 **PL20** Case presentation from the University Hospital Basel
Joachim Mathias Erb, Oliver Reuthebuch, University Hospital Basel, Department of Anaesthesia, Basel, Switzerland
- 17:00 - 17:30 **PL21** Case presentation from the University Hospital Zürich
Dominique Bettex, University Hospital Zürich, Division of Cardiovascular Anaesthesia, Zürich, Switzerland
- 17:30 - 18:00 **PL22** Case presentation from the University Hospital Bern
Balthasar Eberle, Inselspital Bern, Universitätsklinik für Anästhesiologie und Schmerztherapie, Bern, Switzerland

16:30 - 17:30, Osaka/Samarkand**112****Working as a clinical anaesthesiologist**

Chairs: Andrea Lassnigg & Sven-Erik Ricksten

- 16:30 - 17:00 **PL23** Vigilance - fatigue management. What can we learn from the airline industry?
Roland Albrecht, Swiss Air Rescue, REGA, Zürich, Switzerland
- 17:00 - 17:30 **PL24** Administration of HES interferes with patient safety: fact or fiction?
Hans-Joachim Priebe, Albert Ludwigs University of Freiburg, Department of Anaesthesia, Merzhausen, Germany

16:30 - 18:00, Poster & Exhibition Area

PS02

Poster session

Chairs: Gianluca Paternoster & Manfred D Seeberger

- P07** Cerebral microembolic load in open heart surgery with different extracorporeal circulation systems
Gabor Erdős, R Basciani, E Gyöax, D Reineke, T Carrel, B Eberle
Presenter's affiliation: University of Bern, Department of Anaesthesiology and Pain Therapy, Bern, Switzerland
- P08** High thoracic epidural anaesthesia (HTEA) in cardiac surgery as a sole anesthetic technique; series of 8 interventions
Gentian Huti, A Abdyl, B Arapi, M Miraka Bilaj, R Domi
Presenter's affiliation: American Hospital, Department of Anaesthesiology, Intensive Care & Emergency, Tirana, Albania
- P09** Anaesthesia for trans-aortic Transcatheter Aortic Valve Replacement (TAVI-ta) – does single-lung ventilation have an impact?
Patrick Mayr, G Wiesner, T Ried, J Knorr, K Martin, P Tassani
Presenter's affiliation: Deutsches Herzzentrum München, Technische Universität München, Germany
- P10** Different priming solution effects on interstitial lung edema and oxidative stress parameters
Melis Tosun, H Ulugöl, M Öktem, U Aksu, M Kilercik, H Karabulut, F Toraman
Presenter's affiliation: Acibadem University Medical Faculty Department of Anaesthesiology and Reanimation, Istanbul, Turkey
- P11** The effect of antifibrinolytic agents on renal functions at cardiac surgery with cardiopulmonary bypass
Sergey Kolbintsev, O Dimova, A Yavorovskiy
Presenter's affiliation: National Research Surgical Center B.V.Petrovski, Department of Anaesthesiology, Moscow, Russian Federation
- P12** Is off-pump technique a safer procedure for coronary revascularization in patients over 75-years-old? An analysis of 20 years of experience
Raquel Peris-Montalt, E Mateo-Rodriguez, P Carmona-Garcia, J de Andres-Ibanez,
Presenter's affiliation: General Hospital of Valencia, Valencia, Spain

17:30 - 18:00, Montreal

I13

Oral presentations

Chairs: David Mazer & Peter MJ Rosseel

- 17:30 - 17:40 **OPI7** Continuous monitoring of haemoglobin concentration after *in-vivo* adjustment in patients undergoing cardiac surgery
Atushi Yoshikawa, Y Ohnishi, K Morishima, Y Inatomi
Presenter's affiliation: National Cerebral and Cardiovascular Center, Department of Anaesthesiology, Osaka, Japan

I13

Oral presentations (cont.)

- 17:40 - 17:50 **OPI8** Cerebral regional oxygen saturation evaluated by near-infrared spectroscopy during cardiac surgery under cardiopulmonary bypass: an observational study
Camille Francois, P Origer, J-P Hacquebard, Y Kapessidou, I Pastijn, M Maatouk, O Germy
Presenter's affiliation: Saint Pierre Hospital, Anaesthesiology Department, Bruxelles, Belgium
- 17:50 - 18:00 **OPI9** Effect of perioperative pregabalin on post-operative quality of recovery in patients undergoing off pump coronary artery bypass grafting (OPCABG) - prospective, randomized, double blind study
Deepak Borde, S Futane, B Asegaonkar, M Puranik, S Sargar,
Presenter's affiliation: Ozone Anaesthesia Group, Department of Cardiac Anaesthesia, Aurangabad, India

17:30 - 18:00, Osaka/Samarkand

I14

Oral presentations

Chairs: Andrea Lassnigg & Sven-Erik Ricksten

- 17:30 - 17:40 **OP20** Potential negative impact of intraoperative epinephrin versus norepinephrin administration on outcome following paediatric cardiac surgery
Enikő Holndonner-Kirst, DJ Lex, J Gál, A Székely,
Presenter's affiliation: Semmelweis University, Department of Anaesthesiology and Intensive Care, Budapest, Hungary
- 17:40 - 17:50 **OP21** Cardiac protection with phosphocreatine: a meta-analysis
Evgeny Fominskiy, VV Lomivorotov, V Nepomniashchikh, V Likhvantsev, J Ma, R Lembo, M Baiardo Redaelli, M Abubakirov, P Perovsky, A Zangrillo, G Landoni, Presenter's affiliation: Academician EN Meshalkin Novosibirsk State Budget Research Institute of Circulation Pathology, Novosibirsk, Russian Federation
- 17:50 - 18:00 **OP22** Cerebral oximetry monitoring to maintain NORMAl Cerebral Oxygen SATuration (NORMOSAT) during high-risk cardiac surgery: a randomized controlled feasibility trial
Alain Deschamps, A Denault, H Grocott, E de Medicis, J Buissières, C Hudson, S Seyed, D Seal, S Herd, J Lambert,
Presenter's affiliation: Montreal Heart Institute, University of Montréal, Quebec, Canada

18:00 - 19:00

Welcome Reception

08:30 - 10:00, Montreal**201****Coagulation & blood management****Chairs: Marco Ranucci & Marcus Lance**

- 08:30 - 09:00 **PL25** Coagulation management in major vascular surgery
Alistair F Nimmo, University of Edinburgh, Department of Anaesthesia Critical Care and Pain Medicine, Royal Infirmary of Edinburgh, UK
- 09:00 - 09:30 **PL26** FFP vs factor concentrates in cardio-surgical patients
Marcus Lance, Maastricht University Medical Center, Department of Anaesthesiology and Pain Treatment, Maastricht, The Netherlands
- 09:30 - 10:00 **PL27** Patient blood management
Kai Zacharowski, University Hospital Frankfurt, Department of Anaesthesiology, Intensive Care Medicine and Pain Therapy, Frankfurt Am Main, Germany

08:30 - 10:00, Singapore**202****Thoracic session****Ventilation to prevent pulmonary complications: „open the lung or not?“****Chairs: Laszlo Szegedi & Marc Licker**

- 08:30 - 08:50 **PL28** Pro: Keep the lung open
Maria Carmen Unzueta, Hospital de Sant Pau, Department of Anaesthesiology, Barcelona, Spain
- 08:50 - 09:10 **PL28** Con: Let's be permissive with atelectasis!
Mert Senturk, Istanbul University, Faculty of Medicine, Department of Anaesthesiology, Istanbul, Turkey

202**Thoracic surgery without intubation: appropriate or not?**

- 09:10 - 09:30 **PL29** Pro: Without intubation is appropriate
Waheedulah Karzai, Zentralklinik Bad Berka GmbH, 'Klinik für Anästhesie und Intensivmedizin, Bad Berka, Germany
- 09:30 - 09:50 **PL29** Con: Without intubation is not appropriate
Laszlo Szegedi, Brussels University Hospital, Department of Anaesthesiology, Brussels, Belgium
- 09:50 - 10:00 Discussion

08:30 - 10:35, Osaka/Samarkand**203****CPB Crash Course****Chair: Gudrun Kunst**

- 08:30 - 08:55 Renal protection and CPB
Marc Vives, University of Barcelona, Bellvitge University Hospital, Department of Anaesthesiology and Critical Care, Barcelona, Spain
- 08:55 - 09:20 CPB - techniques, education and training, a perspective from India
Deepak Tempe, G.B. Pant Hospital, Department of Anaesthesiology, New Delhi, India
- 09:20 - 09:45 Volatile anaesthetics versus TIVA during CPB
Giovani Landoni, Vita-Salute San Raffaele University, Department of Cardiovascular Anaesthesia, Milan, Italy
- 09:45 - 10:10 Volatile anaesthetics during CPB, risks and technical issues
Caetano Nigro Neto, Federal University of São Paulo (UNIFESP), Department of Anaesthesiology, São Paulo, Brazil
- 10:10 - 10:35 Prime solutions and cardioplegia: an update
Florian Falter, Papworth Hospital, Department of Cardiothoracic Anaesthesia & Intensive Care, Cambridge, UK
- 10:35 - 10:45 Break
- 10:45 - 11:10 Cerebral monitoring and postoperative outcome during CPB, what is new?
Charles W Hogue, The Johns Hopkins University School of Medicine, Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA
- 11:10 - 11:35 Evidence-based practice for the dose of protamine
Christa Boer, VU University Medical Center, Institute for Cardiovascular Research, Department of Anaesthesiology, Amsterdam, The Netherlands
- 11:35 - 12:00 How to maintain optimal perfusion during CPB?
Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic and Vascular Anaesthesia & Intensive Care Unit, Milan, Italy

08:30 - 10:30, Poster & Exhibition Area**PS03****Poster session****Chairs: Christa Boer & Matthias Heringlake**

- P13** Effects of intravenous anaesthetics on cyclopiazonic acid-induced contractions in isolated rat aorta
Seokyoung Song, W Roh, B Kim, S Lee, H Sung
Presenter's affiliation: School of Medicine, Catholic University of Daegu, Korea

PS03

Poster session (cont.)

- P14** Does glycemic level affect neurologic outcomes during cardiopulmonary bypass?
Elvin Kesimci, E Erkýlýç, F Alaybeyoglu, C Balçý, T Dulkadiroglu, T Gumus, O Kanbak
Presenter's affiliation: Ataturk Training and Research Hospital, Ankara, Turkey
- P15** Cerebral oxygen saturation and middle cerebral artery flow velocity changes during carotid endarterectomy
Zoltán Gyöngyösi, L Molnár, B Fülesdi
Presenter's affiliation: University of Debrecen Clinical Center, Department of Anaesthesiology and Intensive Care, Debrecen, Hungary
- P16** Anaesthetic management and outcomes for radiofrequency ablation of primary lung malignancy: a case series
Clare O'Connor, G McDermott, S Mattison, A Gaunt, J Beeson, P Dalal
Presenter's affiliation: Harefield Hospital, Department of Anaesthesia, Harefield, Middlesex, UK
- P17** Open thoracoabdominal aortic aneurysm repair in the modern era: results from a 6-year single-centre experience
Evgeny Fominskiy, L Pasin, G Paternoster, P Nardelli, A Belletti, V Dalessandro, L Manfredini, R Lembo, A Zangrillo
Presenter's affiliation: Academician EN Meshalkin Novosibirsk State Budget Research Institute of Circulation Pathology, Novosibirsk, Russian Federation
- P18** Is pulsatile perfusion has significant effects on renal function in patients undergoing cardiac surgery? An observational study
Kanagarajan Natarajan, G Jeeva, I Sophia, V Ramachandran, B Vishwanathan, B Ninan
Presenter's affiliation: Madras Medical Mission Hospital, Department of Cardiac Anaesthesia, Chennai, India
- P19** Life-saving, repeated, systemic thrombolysis during prolonged in-hospital cardiac arrest in a patient with known coronary artery disease
Vadim Pasyuga, S Beregnoy, I Chernov, D Tungusov, V Gerasimenko, S Ibragimov, K Kitaleva, D Tarasov
Presenter's affiliation: Astrakhan Federal Centre for Cardiac Surgery, Department of Anaesthesia and Intensive Care, Astrakhan, Russian Federation
- P20** Perioperative BNP changes and functional capacity following lung resection
Philip McCall, A Arthur, A Kirk, A Macfie, J Kinsella, B Shelley
Presenter's affiliation: University of Glasgow, Department of Anaesthesia, Pain and Critical Care Medicine, Glasgow, UK

PS03

Poster session (cont.)

- P21** Outcomes of patients with neurological complications following repatriation from a cardiothoracic intensive care unit to specialist centres
Jonathan Ong, S French, K Salaunkey, N Jones
Presenter's affiliation: Papworth Hospital, Department of Anaesthesia and Intensive Care, Papworth, UK

08:30 - 12:00, Rio

WS02

ECMO workshops

Chairs: Ignacio Malagon

- 08:30 - 09:15 ECMO workshop 01
- 09:15 - 10:00 ECMO workshop 02
- 10:00 - 10:45 ECMO workshop 03
- 11:00 - 11:45 ECMO workshop 04

10:00 - 10:30, Montreal

204

Oral presentations

Chairs: Marco Ranucci & Marcus Lance

- 10:10 - 10:20 **OP24** Heparin responsiveness during arterial vascular surgery: is a fixed heparin dose adequate?
Dennis Veerhoek, F Groepenhoff, M van der Sluijs, J de Wever, J Blankensteijn, A Vonk, C Boer, C Vermeulen
Presenter's affiliation: VU University Medical Center, Department of Cardio-Thoracic Surgery, Amsterdam, The Netherlands
- 10:20 - 10:30 **OP25** Human albumin has greater impact on outcomes after cardiac surgery than hydroxyl-ethyl starches and crystalloids - an epidemiologic study
Dovile Leonaviciute, J Hoffmann-Petersen, C-J Jakobsen
Presenter's affiliation: Anaesthesia TV, Aalborg University Hospital, Denmark

10:00 - 10:30, Singapore

205

Oral presentations

Chairs: Laszlo Szegedi & Marc Licker

- 10:00 - 10:10 **OP26** Thoracic epidural anesthesia reduces right ventricular systolic function with maintained ventricular-pulmonary coupling
Jeroen Wink, R de Wilde, P Wouters, B Veering, M Versteegh, L Aarts, P Steendijk
Presenter's affiliation: Leiden University Medical Center (LUMC), The Netherlands

205 Oral presentations (cont.)

- 10:10 - 10:20 **OP27** A comparison of three videolaryngoscopes for double-lumen tubes intubation in simulated easy and difficult airways
Mohamed El Tahan, A Al'Ghamdi, A Khidr, I Gaarour
 Presenter's affiliation: King Fahd Hospital of The University of Dammam, Dammam, Saudi Arabia
- 10:20 - 10:30 **OP28** The right ventricular response to lung resection
Philip McCall, D Corcoran, A Arthur, J Payne, A Kirk, A Macfie, J Kinsella, B Shelley
 Presenter's affiliation: University of Glasgow, Department of Anaesthesia, Pain and Critical Care Medicine, Glasgow, UK

10:30 - 11:00**Coffee Break & Exhibition****11:00 - 12:00, Montreal****206 Paediatric cardiac surgery**
Chairs: Garbor Erdoes & Mona Momeni

- 11:00 - 11:30 **PL31** Team work and its prevention in paediatric cardiac surgery
Antonius NJ Schouten, University Medical Center Utrecht, Wilhelmina Children's Hospital, Department of Anaesthesiology, Intensive Care and Emergency Medicine, Utrecht, The Netherlands
- 11:30 - 12:00 **PL32** Brain monitoring during congenital cardiac surgery: is there any evidence?
Mona Momeni, Catholic University of Louvain, Department of Anaesthesiology, Brussels, Belgium

11:00 - 12:00, Singapore**202 Thoracic session (cont.) - Fluid management: «dry» or «optimised»?**

- 11:00 - 11:25 **PL30** Keep the patient dry!
Marc Licker, University Hospital of Geneva, Department of Anaesthesiology, Pharmacology & Intensive Care, Geneva, Switzerland
- 11:25 - 11:50 **PL30** Goal-direct optimization is best to improve outcomes
Giorgio Della Rocca, University of Udine Medical School, Department of Anaesthesia and Intensive Care Medicine, Udine, Italy
- 11:50 - 12:00 Discussion

12:00 - 13:00, Montreal**207 Best abstract presentations**
Chairs: Patrick Wouters & Bodil Steen Rasmussen

- 12:00 - 12:10 **OP29** Signs of coronary steal during apnea after hyperventilation in awake patients with coronary artery disease
Dominik Guensch, K Fischer, K Yamaji, B Jung, J Heverhagen, S Windecker, M Friedrich, B Eberle
 Presenter's affiliation: Department of Anaesthesiology and Pain Therapy, Inselspital, Bern University Hospital, University of Bern, Switzerland
- 12:10 - 12:20 **OP30** Plasma neutrophil gelatinase-associated lipocalin for early detection of acute kidney injury after cardiac surgery
Camilla L'Acqua, C Beverini, G Introcaso, F Veglia, C Brambillasca, L Salvi
 Presenter's affiliation: IRCCS Centro Cardiologico Monzino, Anaesthesia and Postoperative Intensive Care Unit, Milano, Italy
- 12:20 - 12:30 **OP31** Factors influencing urinary NAG-excretion during cardiopulmonary bypass
Lukas Lannemyr, G Bragadottir, B Redfors, S-E Ricksten
 Presenter's affiliation: Department of Cardiothoracic Anaesthesia and Intensive Care, Sahlgrenska University Hospital, Gothenburg, Sweden
- 12:30 - 12:40 **OP32** Life-saving, repeated, systemic thrombolysis during prolonged in-hospital cardiac arrest in a patient with known coronary artery disease
Vadim Pasyuga, S Beregnoy, I Chernov, D Tungusov, V Gerasimenko, S Ibragimov, K Kitaleva, D Tarasov
 Presenter's affiliation: Astrakhan Federal Centre for Cardiac Surgery, Department of Anaesthesia and Intensive Care, Astrakhan, Russian Federation
- 12:40 - 12:50 **OP33** Perioperative BNP changes and functional capacity following lung resection
Philip McCall, A Arthur, A Kirk, A Macfie, J Kinsella, B Shelley
 Presenter's affiliation: University of Glasgow, Department of Anaesthesia, Pain and Critical Care Medicine, Glasgow, UK
- 12:50 - 13:00 **OP34** Outcomes of patients with neurological complications following repatriation from a cardiothoracic intensive care unit to specialist centres
Jonathan Ong, S French, K Salaunkey, N Jones
 Presenter's affiliation: Papworth Hospital, Department of Anaesthesia and Intensive Care, Papworth, UK

13:00 - 14:30**Lunch & Exhibition****13:30 - 14:30, Singapore****IS02 Industrial symposium**

14:30 - 16:00, Montreal**208 National and international campaigns for safety**
Chairs: Donna Greenhalgh & Mert Senturk

- 14:30 - 15:00 **PL33** What can we learn from the national audit project of major complications of airway management in the UK?
Donna Greenhalgh, Wythenshawe Hospital, Anaesthetic Department, Manchester, UK
- 15:00 - 15:30 **PL34** Never events - never mind?
William Harrop-Griffith, Imperial College Healthcare NHS Trust, St Mary's Hospital, London, UK
- 15:30 - 16:00 **PL35** The campaigns of the European Patient Safety Foundation: „Kids safe life“ and „OPUS“
Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland

14:30 - 16:00, Singapore**209 New technologies in cardiology and cardiac surgery**
Chairs: Sascha Treskatsch & Dominique Bettex

- 14:30 - 15:00 **PL36** New techniques for aortic valve stenosis and insufficiency
Friedrich Eckstein, University Hospital Basel, Clinic of Cardiac Surgery, Basel, Switzerland
- 15:00 - 15:30 **PL37** Use of cardiac troponin and natriuretic peptides in the perioperative setting
Christian Müller, University Hospital Basel, Department of Cardiology, Basel, Switzerland
- 15:30 - 16:00 **PL38** Transcatheter aortic valve implantation - does anaesthesia make the difference
Steffen Rex, University Hospitals Leuven, Department of Anaesthesiology & Department of Cardiovascular Sciences, Katholieke Universiteit Leuven, Belgium

14:30 - 16:00, Osaka/Samarkand**210 State of the art lectures**
Chairs: Joachim Erb & Jörg Ender

- 14:30 - 15:00 **PL39** Perioperative management of NOACs
Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic and Vascular Anaesthesia & Intensive Care Unit, Milan, Italy
- 15:00 - 15:30 **PL40** 3D echocardiography - what is really useful in clinical practice?
Jörg Ender, University of Leipzig, Heart Center Leipzig, Department of Anaesthesiology and Intensive Care Medicine II, Leipzig, Germany

210 State of the art lectures (cont.)

- 15:30 - 16:00 **PL41** Tricuspid regurgitation in the cardiac OR - how to assess, when to correct
Fabio Guarracino, University Hospital of Pisa, Department of Cardiothoracic Anaesthesia and Intensive Care Medicine, Pisa, Italy

14:00 - 16:00, Rio**WS03 CPB workshop**
Simulation: “Use of volatile anaesthetics during CPB
What we need to know to adapt accordingly the circuit”
Chair: Caetano Nigro Neto**Contributors:**

- 14:00 - 14:30 *Giovani Landoni, Vita-Salute San Raffaele University, Department of Cardiovascular Anaesthesia, Milan, Italy*
- 14:30 - 15:00 *Gianluca Paternoster, San Carlo Hospital, Cardiovascular Anaesthesia and Intensive Care Unit, Potenza, Italy*
- 15:00 - 15:30 *Vladimir Lomivorotov, State Research Institute of Circulation Pathology, Department of Anaesthesiology and Intensive Care, Novosibirsk, Russian Federation*
- 15:30 - 16:00 *Manoel de Souza Neto, Dante Pazzanese Institute of Cardiology and HCor - Heart Institute, São Paulo, Brazil*

16:00 - 16:30**Coffee Break & Exhibition****16:30 - 18:00, Montreal****211 Organ cross talks**
Chairs: Charles Hogue & Jens Fassl

- 16:30 - 17:00 **PL42** Cerebral autoregulation in cardiac anaesthesia
Charles W Hogue, The Johns Hopkins University School of Medicine, Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA
- 17:00 - 17:30 **PL43** The ageing brain: is there a limit of learning?
Martin Meyer, University Hospital Zürich, Department of Psychology, Zürich, Switzerland
- 17:30 - 18:00 **PL44** Heart-brain cross-talk - what do we need to know
Burkhard Mackensen, University of Washington Medical Centre, Division of Cardiothoracic Anaesthesia, Anaesthesiology & Pain Medicine, Seattle, WA, USA

16:30 - 17:30, Singapore**212****Difficult problems in the cardiac operating room and the intensive care unit****Chairs: Vladimir V Lomivorotov & Anne Westerlind**

- 16:30 - 17:00 **PL45** Improving oxygenation postoperatively: the role of alveolar recruitment
Mikhail Kirov, Northern State Medical University, Department of Anaesthesiology and Intensive Care Medicine, Arkhangelsk, Russian Federation
- 17:00 - 17:30 **PL46** Atrial fibrillation in the ICU: how to prevent, how to treat
Vladimir V Lomivorotov, State Research Institute of Circulation Pathology, Department of Anaesthesiology and Intensive Care, Novosibirsk, Russian Federation

16:30 - 18:00, Osaka/Samarkand**213****To treat or not to treat****Chairs: Christian von Heymann & Irene Rovira**

- 16:30 - 17:00 **PL47** Are ethical guidelines helpful for deciding on intensive-care interventions?
Hans Henrik Bülow, Holbæk Hospital, Department of Intensive Care, Holbæk, Denmark
- 17:00 - 17:30 **PL48** Transfusion triggers in cardiac surgery
Christian von Heymann, Vivantes Klinikum Im Friedrichshain, Klinik für Anästhesie, Intensivmedizin und Schmerztherapie, Berlin, Germany
- 17:30 - 18:00 **PL49** Mandatory mask ventilation before muscle relaxation: any evidence?
Thomas Schnider, Cantonal Hospital St. Gallen, Division of Anaesthesiology, Intensive Care, Rescue and Pain Medicine, St. Gallen, Switzerland

16:30 - 18:00, Poster & Exhibition Area**PS04****Poster session****Chairs: Joachim Erb & Daniel Bolliger**

- P22** Prevalence of prolonged air leak following elective thoracic surgery; retrospective single institution review
Ahmed Zaki, L Feddy, L Szentgyorgyi, R Mosca, T Strang, I Malagon
Presenter's affiliation: University Hospital South Manchester, Manchester UK
- P23** Cardiopulmonary support in lung transplant – Portuguese experience
Paulo Nave, F Aguiar, C Ramos, I Fragata
Presenter's affiliation: Hospital de Santa Marta, Centro Hospitalar de Lisboa Central, Lisbon, Portugal
- P24** Portuguese lung transplant program revisited
Paulo Nave, F Aguiar, C Ramos, I Fragata
Presenter's affiliation: Hospital de Santa Marta, Centro Hospitalar de Lisboa Central, Lisbon, Portugal

PS04**Poster session (cont.)****P25**

When a "flu" turns into a cardiac transplant – case report

Paulo Nave, C Ramos, I Fragata

Presenter's affiliation: Hospital de Santa Marta, Centro Hospitalar de Lisboa Central, Lisbon, Portugal

16:30 - 18:00, Rio**214****Oral presentations****Chairs: Steffen Rex & Erik de Waal**

- 16:30 - 16:40 **OP35** Comparison of cardiac output of both 2 and 3 dimensional transoesophageal echocardiography with transpulmonary thermodilution during cardiac surgery
David Canty, R Guha, T Pham, M Kim, C Royse
Presenter's affiliation: Department of Surgery, University of Melbourne, Department of Anaesthesia and Pain Management, Royal Melbourne Hospital, Parkville, Victoria, Australia and Department of Anaesthesia and Pain Management, Monash Medical Centre, Melbourne, Victoria, Australia
- 16:40 - 16:50 **OP36** Comparison of practical and interpretive focused cardiac ultrasound learning outcomes between a self-directed simulator and traditional live model course
David Canty, J Barth, Y Yang, M Kim, J Aik Tan, C Royse
Presenter's affiliation: Department of Surgery, University of Melbourne, Department of Anaesthesia and Pain Management, Royal Melbourne Hospital, Parkville, Victoria, Australia and Department of Anaesthesia and Pain Management, Monash Medical Centre, Melbourne, Victoria, Australia
- 16:50 - 17:00 **OP37** The relationship between lipid profile, right ventricular function, and newly-onset atrial fibrillation in patients referred for cardiac surgery
Pei-Chi Ting, M-S Hsieh, M-W Yang, A-H Chou
Presenter's affiliation: Chang Gung Memorial Hospital, Linkou, Taiwan
- 17:00 - 17:10 **OP38** Echocardiographic changes in right ventricular function after transcatheter versus surgical aortic valve replacement for severe aortic valve stenosis
Lars Grønlykke, N Ihlemann, JC Nilsson, J Kjaergaard, A Korshin, F Gustafsson, HG Thyregod, L Søndergaard, HB Ravn
Presenter's affiliation: Department of Cardiothoracic Anaesthesia, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark
- 17:10 - 17:20 **OP39** Speckle tracking echocardiography for the evaluation of total correction in patients with TOF in operation room and followup
Prabhat Tewari, S Pande,
Presenter's affiliation: SGPGIMS, Lucknow, India

- 17:20 - 17:30 **OP40** Outcomes after aortic arch reconstruction for infants: deep hypothermic circulatory arrest versus moderate hypothermia with selective antegrade cerebral perfusion
Vladimir Shmyrev, I Kornilov, D Ponomarev, VV Lomivorotov, Y Sineelnikov
 Presenter's affiliation: Novosibirsk State Research Institute of Circulation Pathology, Russian Federation
- 17:30 - 17:40 **OP41** Continuous positive airway pressure during upper endoscopies: a bench-study on a novel device
Evgeny Fominskiy, L Cabrini, I Savia, M Bevilacqua, CD Votta, L Manfredini, NA Aslan, M Filippini, B Gelosa, G Landoni
 Presenter's affiliation: Academician EN Meshalkin Novosibirsk State Budget Research Institute of Circulation Pathology, Novosibirsk, Russian Federation
- 17:40 - 17:50 **OP42** Forced expiratory volume in one second predicts hospital stay after cardiac surgery: interim results of a prospective cohort study
Dmitry Ponomarev, VV Lomivorotov, O Kamenskaya, A Klinkova
 Presenter's affiliation: Novosibirsk Research Institute of Circulation Pathology, Novosibirsk, Russian Federation
- 17:50 - 18:00 **OP43** The chaotic behaviour of cardiovascular system during open heart surgery
Melis Tosun, H Ulugöl, Y Agbulut, U Aksu, F Toraman
 Presenter's affiliation: Acibadem University Medical Faculty, Department of Anaesthesiology and Reanimation, Istanbul, Turkey

17:30 - 18:00, Singapore

- 17:30 - 17:40 **OP44** Prospective study on the effect of inhalational versus intravenous sedation on delirium and agitation in patients admitted to ICU postcardiac surgery
Hatem El Shora, Y Amr, S El Sherief,
 Presenter's affiliation: Tanta University, Department of Anaesthesia and Surgical Intensive Care, Tanta, Gharbia, Egypt
- 17:40 - 17:50 **OP45** Ventilation time has no impact on the eligible time to discharge from ICU in cardiac surgery patients
Jacob Greisen, PK Ryhammer, R Bhavsar, C-J Jakobsen
 Presenter's affiliation: Department of Anaesthesiology and Intensive Care, Aarhus University Hospital, Denmark
- 17:50 - 18:00 **OP46** Perioperative risk factors for early intensive care delirium following cardiac surgery
Vilma Kuzminskaite, I Norkiene, M Kaukenaite, A Komarovec, Presenter's affiliation: Vilnius University Hospital Santariskiu Clinics, Center of Anaesthesiology, Intensive Care and Pain Medicine, Vilnius, Lithuania



08:30 - 10:00, Montreal**301****EACTA-SCA panel****Patient safety - the importance of teamwork and interdisciplinary communication****Chair: Linda Shore-Lesserson & Peter MJ Rosseel**

- 08:30 - 09:00 **PL50** Strategies for reducing human error in the cardiovascular operating room
James Abernathy, The Medical University of South Carolina (MUSC), Division of Cardiothoracic Anaesthesia, Charleston, SC, USA
- 09:00 - 09:30 **PL51** Perioperative management of patients taking anticoagulant medication - who decides?
Linda Shore-Lesserson, Hofstra North Shore, LIJ School of Medicine, Department of Anaesthesiology, Hempstead, NY, USA
- 09:30 - 10:00 **PL52** The team in structural heart disease- how is it different?
Burkhard Mackensen, University of Washington Medical Centre, Division of Cardiothoracic Anaesthesia, Anaesthesiology and Pain Medicine, Seattle, WA, USA

08:30 - 10:00, Singapore**302****Circulatory support****Chairs: Peter Alston & Friedrich Eckstein**

- 08:30 - 09:00 **PL53** Difficult separation from cardiopulmonary bypass
Marc Licker, University Hospital of Geneva, Department of Anaesthesiology, Pharmacology & Intensive Care, Geneva, Switzerland
- 09:00 - 09:30 **PL54** When is it time to stop the inotropes and start the ECMO?
Jens Fassl, FASE, University Hospital Basel, Department of Anaesthesia, Basel, Switzerland
- 09:30 - 10:00 **PL55** Current mechanical assist devices and implications for the anaesthesiologist
Angela Rayek, Medical University of Vienna, Department of Anaesthesiology and General Intensive Care Medicine, Division of Cardiothoracic and Vascular Anaesthesiology & Critical Care Medicine, Vienna, Austria

08:30 - 09:00, Osaka/Samarkand**303****Oral presentations****Chairs: Christian von Heymann & Christa Boer**

- 08:30 - 08:40 **OP47** The independent effect of a platelet transfusion on bleeding and adverse outcomes in cardiac surgery
Fabienne van Hout, EK Hogervorst, PMJ Rosseel, JG van der Bom, M Bentala, A Brand, NJM van der Meer, LMG van de Watering
Presenter's affiliation: Sanquin / Leiden University Medical Center, Leiden, The Netherlands

303**Oral presentations (cont.)**

- 08:40 - 08:50 **OP48** Outcome in patients operated for acute aortic dissection: influence of preoperative antiplatelet therapy on mortality and bleeding complications
Raphaëlle Chemtob, H Møller Sørensen, L Holmvang, P Skov Olsen, H Berg Ravn
Presenter's affiliation: Department of Cardiothoracic Anaesthesiology, Copenhagen University Hospital, Rigshospitalet, Copenhagen, Denmark
- 08:50 - 09:00 **OP49** Platelet microvesicle production during cardiac surgery
David Smith, J Schofield, J Holloway, N Englyst, Presenter's affiliation: Southampton General Hospital, Department of Anaesthesia, UK

08:30 - 10:30, Poster & Exhibition Area**PS05****Poster session****Chairs: Stefaan Bouchez & Waldemar Goździk**

- P26** Potential chronic abscess cavity that masqueraded as sinus of valsalva aneurysm: is TOE a most vital tool?
Shitalkumar Shah
Presenter's affiliation: Singapore General Hospital, Department of Anaesthesiology, Singapore
- P27** Evaluation of the coagulation profiles of stored autologous whole blood using rotation thromboelastometry
Shihoko Iwata, Y Hirasaki, K Hamada, I Kondo, M Iwade, M Nomura, M Ozaki
Presenter's affiliation: Tokyo Women's Medical University Hospital, Department of Anaesthesiology, Tokyo, Japan
- P28** Aprotinin is without benefit in high risk patients
Vijoleta Abromaitiene, M Tang, C-J Jakobsen
Presenter's affiliation: Aarhus University Hospital, Department of Anaesthesiology and Intensive Care, Aarhus, Denmark
- P29** Agreement of parameters derived from tricuspid annular movement between transthoracic (TTE) and transoesophageal (TOE) echocardiography
Anna Flo Forner, E Hasheminejad, M Dobrovie, J Da Rocha E Silva, J Ender
Presenter's affiliation: Heart Center Leipzig, Department of Anaesthesiology, Leipzig, Germany
- P30** Late and insufficient fibrinogen administration after complex cardiac surgery is not effective in reducing allogenic blood transfusion
Zineb Rebaine, C Watremez, M Rosal Martins, M Van Dyck, M Momeni
Presenter's affiliation: Université Catholique de Louvain, Cliniques Universitaires Saint Luc, Brussels, Belgium

PS05 Poster session (cont.)

- P31** The improvement of myocardial activity after coronary artery bypass grafting assessed by speckle tracking imaging
Francesca D'Auria, R Leone, G Mastrogianni, A Panza, M Colombino, A Longobardi, F Cafarelli, P Masiello, C D'Auria, E Fiore, S Iesu, G di Benedetto
 Presenter's affiliation: Medical University of Rome, Department of Cardiac Surgery, Rome, Italy
- P32** Half dose protamine sulphate, does it work in valvular replacement cardiac surgery? A prospective, double-blinded randomized study
J Zekry Attia, Amr Nadi
 Presenter's affiliation: Faculty of Medicine, El-Minia University, Egypt

09:00 - 13:00, Rio**304 Postgraduate crash course in coagulation and transfusion in cardiac surgery**
Chair: Christan von Heymann

- 09:00 - 09:20 Pathophysiology of coagulation in cardiac surgery
Christa Boer, VU University Medical Center, Institute For Cardiovascular Research, Department of Anaesthesiology, Amsterdam, The Netherlands
- 09:20 - 09:40 Monitoring coagulation and platelet function during cardiac surgery
Marcus Lance, Maastricht University Medical Center, Department of Anaesthesiology and Pain Treatment, Maastricht, The Netherlands
- 09:40 - 10:00 Pathophysiology and monitoring of coagulopathy in children with congenital heart defects
Birgitta Romlin, Queen Silvia's Children Hospital, Department of Paediatric Anaesthesia and Intensive Care, Göteborg, Sweden
- 10:00 - 10:20 Anticoagulation during ECMO
Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic and Vascular Anaesthesia & Intensive Care Unit, Milan, Italy
- 10:20 - 10:40 Risk factors and treatment of bleeding after cardiac surgery
Gabor Erdös, University of Bern, Department of Anaesthesiology and Pain Therapy, Bern, Switzerland
- 10:40 - 11:00 Break
- 11:00 - 11:20 Goal directed haemostatic protocol for the bleeding cardiac surgery patient
Daniel Bolliger, University Hospital Basel, Department of Anaesthesia, Surgical Intensive Care and Pain Therapy, Basel, Switzerland

304 Postgraduate crash course in coagulation and transfusion in cardiac surgery (cont.)

- 11:20 - 11:40 Update on the management of HIT II in cardiac surgery
Andreas Koster, Ruhr-University Bochum, Institute For Anaesthesiology, Heart and Diabetes Center - NRW, Bad Oeynhausen, Germany
- 11:40 - 12:00 How to manage coagulation and thrombopro-phylaxis after cardiac surgery
Wulf Dietrich, University of Munich, Institute for Research in Cardiac Anaesthesia and Working Group of Perioperative Hemostasis, Munich, Germany
- 12:00 - 12:20 Management of anaemia and red blood cell transfusion in cardiac surgery
Christian von Heymann, Vivantes Klinikum Im Friedrichshain, Klinik für Anästhesie, Intensivmedizin und Schmerztherapie, Berlin, Germany
- 12:20 - 13:00 Closing remarks, feedback, optional post course examination

10:00 - 10:30, Montreal**305 Oral presentations**
Chairs: Linda Shore-Lesserson & Burkhard Mackensen

- 10:00 - 10:10 **OP50** European Score for Cardiac Operative Risk Evaluation (EuroSCORE) in cardiac valvular surgeries in Nepal
Bishwas Pradhan
 Presenter's affiliation: Manmohan Cardiothoracic Vascular and Transplant Center, Cardio Thoracic and Vascular Anaesthesia Unit, Kathmandu, Nepal
- 10:10 - 10:20 **OP51** Is type D personality as important as classic risk factor for coronary artery disease?
Mahdi Najafi, R Khanali, G Sarami, A Jalali
 Presenter's affiliation: Department of Anaesthesiology, Tehran Heart Center, Tehran University of Medical Sciences, Tehran, Iran
- 10:20 - 10:30 **OP52** Outcomes and long-term survival of patients undergoing coronary artery bypass graft surgery; the controversial role of opium as a risk marker
Mahdi Najafi, L Jahangiry, H Mortazavi, A Jalali, A Karimi, A Bozorgi
 Presenter's affiliation: Department of Anaesthesiology, Tehran Heart Center, Tehran University of Medical Sciences, Tehran, Iran

10:00 - 10:30, Singapore**306****Oral presentations****Chairs: Peter Alston & Friedrich Eckstein**

- 10:00 - 10:10 **OP53** Impact of learning curve on outcome of left ventricular assist device (LVAD) implantation in a monocentric cohort
Philippe Gaudard, J Eliet, N Zeroual, M Mourad, R Coves, P Rouviere, P Colson
Presenter's affiliation: CHU Montpellier, France
- 10:10 - 10:20 **OP54** Predicting vasoplegia after continuous flow left ventricular assist device implantation, using a newly developed prediction score
Mark Wouter Kolenbrander, N de Jonge, N Marczin, JM Dieleman, A Huisman, JC Schwarzenberger, F Ramjankhan, WA Van Klei, EEC de Waal
Presenter's affiliation: University Medical Center Utrecht, Department of Anaesthesia, Utrecht, The Netherlands
- 10:20 - 10:30 **OP55** Implication of vasopressin in the vascular response to myocardial infarction and cardiogenic shock in a rat model
Philippe Gaudard, H David, C Farah, P Bideaux, S Richard, A Virsolvy, P Colson, Presenter's affiliation: CHU Montpellier, France

10:30 - 11:00**Coffee Break & Exhibition****11:00 - 12:30, Montreal****307****State of the art lectures****Chairs: Patrick Wouters & Giovanni Landoni**

- 11:00 - 11:30 **PL56** TEE evaluation of the right heart
Justiaan Swanevelder, University of Cape Town, Department of Anaesthesia, Cape Town, South Africa
- 11:30 - 12:00 **PL57** Current concepts in the management of right heart failure
Patrick Wouters, University of Ghent, Department of Anaesthesiology and Clinical Physiology, Ghent, Belgium
- 12:00 - 12:30 **PL58** Current concepts in the management of pulmonary hypertension
Sven-Eric Ricksten, Sahlgrenska University Hospital, Department of Anaesthesiology and Intensive Care, Göteborg, Sweden

11:00 - 12:30, Singapore**308****Perioperative care****Chairs: Jörg Ender & João Viterbo**

- 11:00 - 11:30 **PL59** Fast track in cardiac surgery
Jörg Ender, University of Leipzig, Heart Center Leipzig, Department of Anaesthesiology and Intensive Care Medicine II, Leipzig, Germany
- 11:30 - 12:00 **PL60** Pulmonary hypertension: a contraindication for lung resection?
Tamás Végh, University of Debrecen, Department of Anaesthesiology and Intensive Care, Debrecen, Hungary
- 12:00 - 12:30 **PL61** Acute kidney injury
Matthias Heringlake, University of Lübeck, Department of Anaesthesiology, Cardiac Anaesthesia Unit, Lübeck, Germany

11:00 - 13:00, Poster & Exhibition Area**PS06****Poster session****Chairs: Jens Fassl & Peter Alston**

- P33** In-simulo evaluation of a prototype device to reduce medication errors in anaesthesia: a proof-of-concept study
Shariq Ali Khan, H Kothandan
Presenter's affiliation: Singapore General Hospital, Department of Anaesthesiology, Singapore
- P34** Improved long-term survival in the patients with prolonged intensive care unit stay after cardiac surgery: influence of quality improvement program
Alexander Kogan, L Sternik, J Lavee, A Lipey, A Shalabi, S Levin, E Raanani
Presenter's affiliation: Sheba Medical Center, Cardiac Surgical ICU, Ramat Gan, Israel
- P35** Type of personality have significant impact on the anaesthesia induction time
Pia Katarina Ryhammer, R Bhavsar, NE Hjørnet, C-J Jakobsen
Presenter's affiliation: Department of Anaesthesiology and Intensive Care, Aarhus University Hospital, Denmark
- P36** Ventilation time and LOS in ICU and thus fast-track potential is not affected by low or moderate sufentanil administration - a randomized study
Niels Eykens Hjørnet, PK Ryhammer, R Bhavsar, C-J Jakobsen
Presenter's affiliation: Department of Anaesthesiology and Intensive Care, Aarhus University Hospital, Denmark

PS06 Poster session (cont.)

- P37** Percutaneous cannulation of superior vena cava under transesophageal echocardiography guidance during minimally invasive and robotic cardiac operations
Muharrem Kocyigit, S Senay, O Ilgaz Kocyigit, AU Gullu, C Alhan
Presenter's affiliation: Acibadem University, Department of Anaesthesiology, Istanbul, Turkey
- P38** Randomised prospective study comparing the incidence of postoperative pain after phrenic nerve infiltration vs non-phrenic nerve infiltration on open thoracotomy - initial results
Bhuvaneswari Krishnamoorthy, W Critchley, Z Begun, J Nair, N Devan, P Krysiak, R Shah, I Malagon
Presenter's affiliation: University Hospital of South Manchester NHS Foundation Trust, UK

12:30 - 13:00, Montreal**309****Oral presentations****Chairs: Patrick Wouters & Giovanni Landoni**

- 12:30 - 12:40 **OP56** The main reduction in tricuspid annular plane systolic excursion (TAPSE) after heart surgery doesn't happen at the moment of pericardiotomy
Andre Korshin, L Grønlykke, JC Nilsson, J Kjaergaard, N Ihlemann, C Hassager, S Damgaard, P Lehnert, SM Kjølner, H Møller-Sørensen, H Berg Ravn
Presenter's affiliation: Rigshospitalet, Department of Cardiothoracic Anaesthesiology, Copenhagen, Denmark
- 12:40 - 12:50 **OP57** Safety and efficacy of sildenafil for the treatment of residual pulmonary hypertension in the perioperative period after pulmonary endarterectomy
Alexander Kogan, M Segel, S Preisman, H-J Schäfers, E Raanani
Presenter's affiliation: Sheba Medical Center, Cardiac Surgical ICU, Ramat Gan, Israel
- 12:50 - 13:00 **OP58** The use of inhaled Nitric Oxide (iNO) in pediatric and adult cardiac centers: A Franco-Belgian multicenter prospective survey from the POSITIVE study group
Philippe Gaudard, C Barbanti, J Amour, P Mauriat, B Rozec, M M'Rini, G Cambonie, JM Liet, C Girard, P Damas, L Lecourt, P Pouard
Presenter's affiliation: CHU Montpellier, France

12:30 - 13:00, Singapore**310****Oral presentations****Chairs: Jörg Ender & João Viterbo**

- 12:30 - 12:40 **OP59** Anaesthetic induction with etomidate in cardiac surgery: a randomized controlled trial
Reto Basciani, A Rindlisbacher, E Begert, L Brander, S Jakob, R Etter, T Carrel, B Eberle
Presenter's affiliation: University Hospital Bern, Inselspital, Department of Anaesthesiology & Pain Medicine, Bern, Switzerland
- 12:40 - 12:50 **OP60** Postoperative high-sensitivity troponin and its association with mortality and major adverse cardiac events in patients undergoing on-pump cardiac surgery
Eckhard Mauermann, D Bolliger, J Fassl, M Grapow, E Seeberger, MD Seeberger, M Filipovic, G Lurati Buse
Presenter's affiliation: Basel University Hospital, Department for Anaesthesia, Surgical Intensive Care, Prehospital Emergency Medicine and Pain Therapy, Basel, Switzerland
- 12:50 - 13:00 **OP61** Limitations of back-estimation of baseline serum creatinine in the sickest cardiac surgical patients: The Heart Transplant Cohort
Martin H Bernardi, A Schiferer, R Ristl, A Lassnigg
Presenter's affiliation: Department of Cardiothoracic and Vascular Anaesthesia and Intensive Care Medicine, Medical University of Vienna, Austria

13:00 - 14:30**Lunch & Exhibition****13:30 - 14:30, Singapore****IS03****Industrial Symposium****13:30 - 14:30, Osaka/Samarkand****IS04****Industrial Symposium****14:00 - 16:00, Rio****311****Hands-on course - Point of care coagulation****Chair: Daniel Bolliger**

- 14:00 - 14:30
 ROTEM
Daniel Bolliger, University Hospital Basel, Department of Anaesthesia, Surgical Intensive Care and Pain Therapy, Basel, Switzerland
- 14:30 - 15:00
 Platelet works
Christoph Hoyer, Triemli City Hospital Zürich, Institute of Anaesthesiology and Intensive Care Medicine, Zürich, Switzerland

311 Hands-on course - Point of care coagulation (cont.)

- 15:00 - 15:30 **Multiplate**
Marcus Lance, Maastricht University Medical Center, Department of Anaesthesiology and Pain Treatment, Maastricht, The Netherlands
- 15:30 - 16:00 **HepCon**
Gabor Erdös, University of Bern, Department of Anaesthesiology and Pain Therapy, Bern, Switzerland

14:30 - 16:00, Montreal**312 Thoracic and vascular surgery**
Chairs: Fabio Guarracino & Jens Fassl

- 14:30 - 15:00 **PL62** Challenges in anaesthesia management of congenital and acquired heart valvular disease in the obstetric patient
Justiaan Swanevelder, University of Cape Town, Department of Anaesthesia, Cape Town, South Africa
- 15:00 - 15:30 **PL63** Preoperative evaluation of the vascular patient: what is needed, what is appropriate?
Bruce Biccard, University of Cape Town, School of Clinical Medicine, Department of Perioperative Medicine, Cape Town, South Africa
- 15:30 - 16:00 **PL64** Anaesthesia for carotid endarterectomy: where do we stand today?
Dragana Unic-Stojanovic, Cardiovascular Institute 'Dedinje', Department of Anaesthesiology and Critical Care, Belgrade, Serbia

14:30 - 16:00, Singapore**313 Intensive care medicine**
Chairs: Bodil Steen Rasmussen & Balthasar Eberle

- 14:30 - 15:00 **PL65** The role of therapeutic hypothermia in comatose patients after out-of-hospital cardiac arrest
Bodil Steen Rasmussen, Aalborg University Hospital, Department of Anaesthesia and Intensive Care Medicine, Aalborg, Denmark
- 15:00 - 15:30 **PL66** Perioperative management of a cardiac surgical patient with heart failure
Dominique Bettex, University Hospital Zürich, Division of Cardiovascular Anaesthesia, Zürich, Switzerland
- 15:30 - 16:00 **PL67** Steroids in patients undergoing cardiac surgery - any good?
Stefan Dieleman, University Medical Center Utrecht, Department of Anaesthesiology and Intensive Care, Utrecht, The Netherlands

14:30 - 16:00, Osaka/Samarkand**314 Individual and team related factors of safety**
Chairs: Peter MJ Rosseel & Manfred Seeberger

- 14:30 - 15:00 **PL68** Human limitations in the operating room: stress and fatigue
Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland
- 15:00 - 15:30 **PL69** Diagnostic error and heuristics in acute care settings
Edourd Battegay, University Hospital Zürich, Division of Internal Medicine, Zürich, Switzerland
- 15:30 - 16:00 **PL70** When things did go wrong: open disclosure and „second victim“
Tanja Manser, University of Bonn Medical Faculty, Department of Patient Safety, Bonn, Germany

16:00 - 16:30, Montreal**Awards & Closing Ceremony**

INFORMATION TO PRESENTERS

ORAL PRESENTATIONS

The general organisation of the preview room for transferring, changing & previewing of your presentation is done with special staff in the Preview Room. Presentations pertaining to a lecture have to be deposited by the speaker at least 1 hour before commencement of the session. The speaker has to load the presentation onto the server since all files are transferred to the relevant lecture hall via the internal network. Only trained personnel will handle your presentation. NO private computers will be allowed to be used for the sessions.

PREVIEW ROOM OPENING HOURS

Wednesday, 11 May: 07.30-18.00 Thursday, 12 May: 08.00-18.00 Friday, 13 May: 08.00-14.30

GENERAL INFORMATION



REGISTRATION AND INFORMATION DESK OPENING HOURS

Wednesday, 11 May: 07:30 – 18:00
Thursday, 12 May: 08:00 – 18:00
Friday, 13 May: 08:00 – 15:30

BADGES

Badges must be worn at all times throughout the entire congress and during social events.

CME CREDITS & CERTIFICATE OF ATTENDANCE

The EACTA Annual Congress 2016 was granted 17 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME). Please contact the registration desk for obtaining your certificate.

CONGRESS LANGUAGE

The congress language is English. No simultaneous translation will be provided.

DISCLAIMER

Please note that in the event that the congress is cancelled by the organisers in case of force majeure, the registration fee, hotel deposit and any other service ordered through the registration will be partially refunded or forfeited, subject to the commitments of the congress organisers at that time. You may wish to insure yourself directly against such a risk.

INSURANCE & LIABILITY

Neither the organisers nor the Conference Bureau will assume any responsibility whatsoever for damage or injury to persons or property during the congress. It is recommended that participants arrange for their personal travel and health insurance.

LOST & FOUND

A lost and found service will be provided at the EACTA Registration Desk for the duration of the congress.

MOBILE PHONES

The use of mobile phones is forbidden in lecture halls and poster areas.

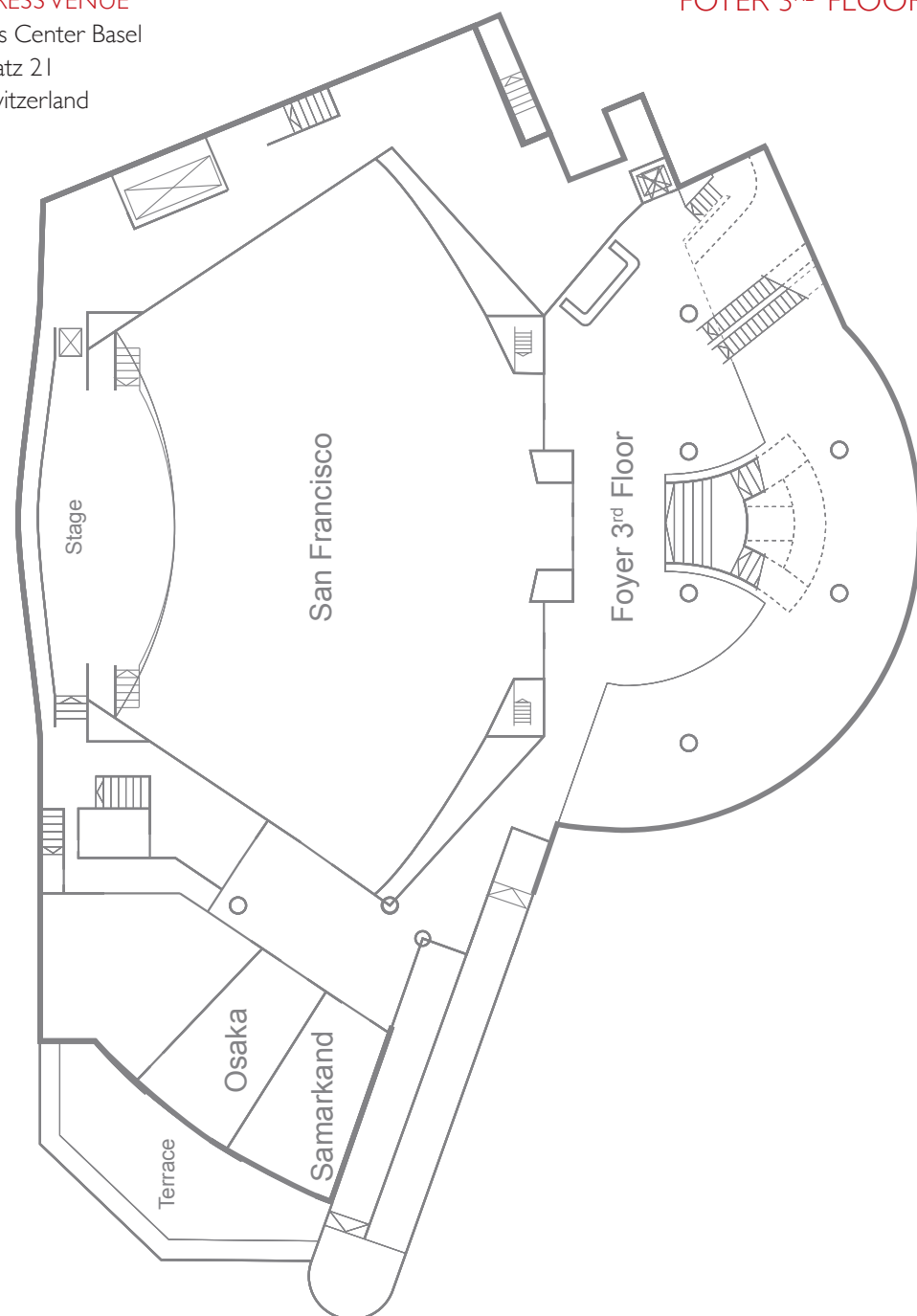
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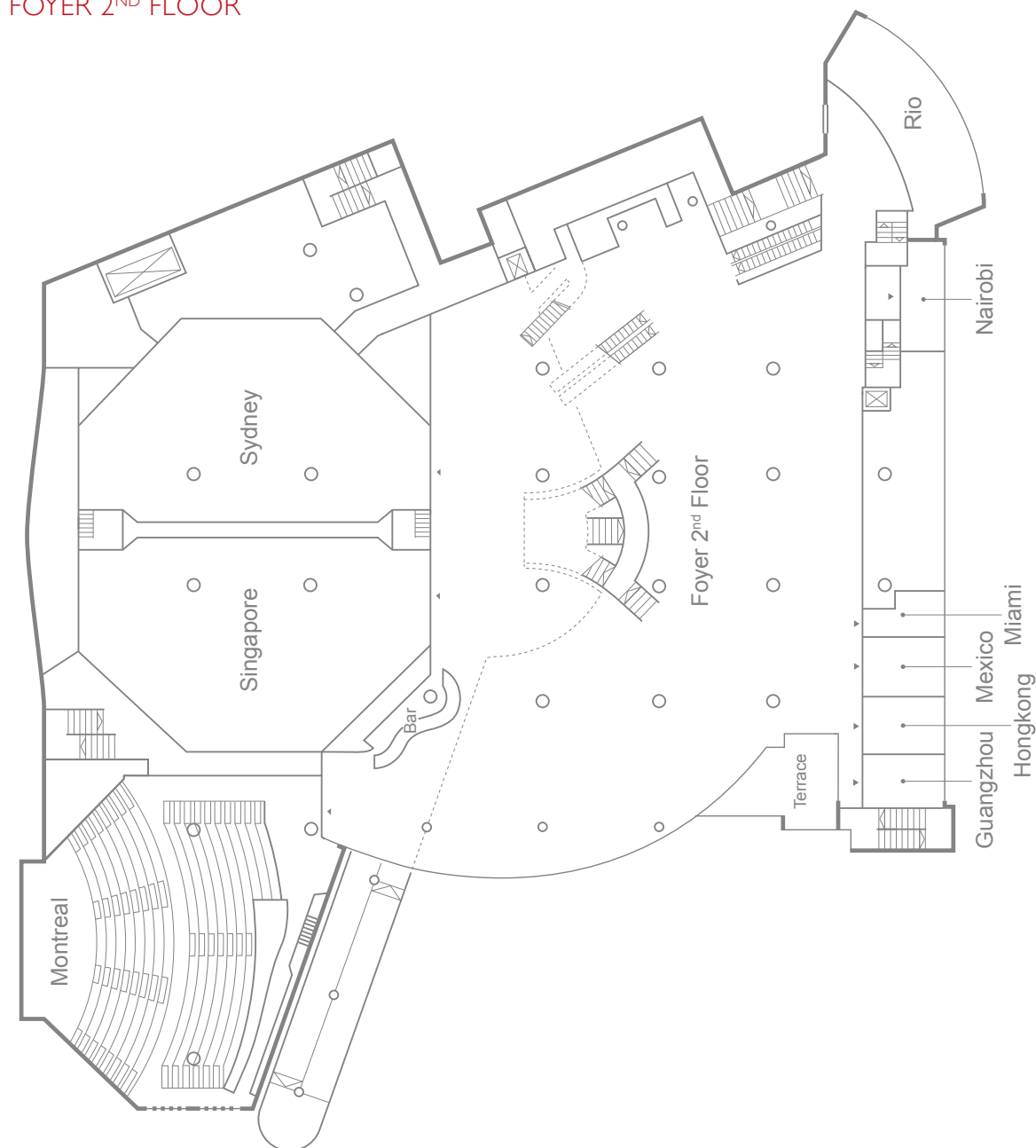
CONGRESS VENUE

CONGRESS VENUE
Congress Center Basel
Messeplatz 21
Basel, Switzerland

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MEDTRONIC INDUSTRIAL SPONSORED LUNCH SYMPOSIUM

Wednesday, May 11th, 2016
13:00 – 14:00
Singapore
Please visit our booth #17

A NOVEL APPROACH OF NIRS MONITORING AND TARGET BLOOD PRESSURE MANAGEMENT

Chairman: **Dr. Jens Fassl, FASE**, University Hospital Basel,
Department of Anaesthesia, Basel, Switzerland

Dr. Charles W. Hogue, MD, Prof. of Anesthesiology & Critical Care
Medicine, The Johns Hopkins University School of Medicine

In this lecture the physiological basis of near infrared spectroscopy (NIRS) brain monitoring will be reviewed along with current clinical applications. An emphasis will be placed on new developments in real-time monitoring of cerebral autoregulation based on signal processing of the NIRS signal in relation to arterial blood pressure.

Lunch will be served.

SOCIAL EVENTS



WEDNESDAY, 11 MAY - 18:00-19:00

WELCOME RECEPTION AT THE CONGRESS VENUE

Please come join your colleagues for a relaxing get-together including wine & snacks and entertainment.

The welcome reception will be held in the exhibition area. Attendance is free of charge but enrolment is required.

THURSDAY, 12 MAY – 19.00-22.45

CONGRESS DINNER – RHINE RIVER DINNER CRUISE

A memorable highlight of the Congress will be the Congress Dinner - a Dinner Cruise on the Rhine River. It will provide the ideal opportunity to mingle and meet other colleagues. The cruise will take you through the city of Basel to the three-country point (CH/D/F) and back while dining and enjoying the entertainment onboard.

The cruise starts at 19.00 from Basel Schiffände.
Tickets must be purchased in advance.

Price € 100 including the cruise, entertainment and a three-course menu with wine and coffee. After 22.00 drinks are on your own expense.



You are most welcome to attend the Satellite Symposium

Levosimendan in cardiac surgery: rationale, expectations and results

On Friday, May 13 at 13:30 – 14:30 in Room Singapore

CHAIRS

Manfred D. Seeberger (Zürich, Switzerland)

Fabio Guarracino (Pisa, Italy)

Vladimir V. Lomivorotov (Novosibirsk, Russia)

TOPICS & SPEAKERS

Perioperative Heart Failure - still a challenge

Martin Siegemund (Basel, Switzerland)

Effects of levosimendan on the renal function

Sven-Erik Ricksten (Gothenburg, Sweden)

Levosimendan for optimizing patients outcome in cardiac surgery

Dominique Bettex (Zürich, Switzerland)

To get the latest info on **dexdor®** and **SIMDAX®**,
visit Orion Pharma booth during the EACTA meeting.

INFORMATION ON BASEL

ARRIVAL BY PLANE - Just ten minutes' drive from the city centre and well served by buses, the EuroAirport boasts more than 90 direct flights within Europe, North Africa, Canada and Russia. All other destinations can be reached via intercontinental hubs or nearby Zurich airport. EuroAirport Basel-Mulhouse-Freiburg is jointly operated by France and Switzerland. Freiburg was recently added to its name to reflect its importance for southern Germany too.

ARRIVAL BY TRAIN - All of Basel's stations are frequented several times each day by trains arriving either from within Switzerland or abroad. Trains from France arrive at the French Railway station (SNCF), which is located directly beside the Swiss Railway station (SBB). Trains from Germany arrive either at the Swiss Railway station (SBB) or at the Badische Bahnhof, which is operated by German Railway (DB) and is located close to the trade fair centre.

MOBILITY TICKET - Each guest staying in Basel receives a free Mobility Ticket when checking in. This allows free use of public transport in the city of Basel and its environs (zones 10, 11, 13 and 15, inclusive EuroAirport) for the entire duration of the stay (max. 30 days). The reservation confirmation is valid for the use of public transport (2nd class) from EuroAirport or from the Basel rail stations (zones 10 and 13/ EuroAirport) to the hotel on the day of arrival.

BANKS AND ATM'S - An ATM is located outside the Congress Center on the left hand of the main entrance. There are numerous banks located throughout the city of Basel. All banks offer an ATM service to withdraw Swiss francs (CHF) and Euros (EUR) by credit or debit card. Visa and MasterCard are accepted. Banks are generally open from Monday to Friday between 9:00 and 12:00, and between 14:00 and 17:00. They are closed on Saturdays and Sundays.

CLIMATE - The Central European continental climate bestows on the city mild average daytime temperatures of 10.3°C in spring, 18.8°C in summer, 10.5°C in autumn and 2.4°C in winter. The sun shines in Basel for 3,500 hours each year and average rainfall is a mere 90mm per month. The daytime temperature in the summer months can reach as high as 35°C, however low atmospheric humidity means that it is always very pleasant at even the highest of temperatures.

CURRENCY - Switzerland's official currency is the Swiss Franc (CHF). Although Switzerland is not a member of the EU, prices are often quoted in Euros and payment in Euros is sometimes accepted. Foreign currency may be converted into Swiss Francs at all banks at the official rate quoted on the foreign exchange. Banks will offer the best exchange rates for foreign currency and for traveler's cheques, but it's also possible to exchange currency at the city's major hotels, train stations and at the airport.

ELECTRICITY - Electrical current in Switzerland is 220 volts, 50Hz. Plugs are of the linear, rounded three-pin type, but rounded two-pin plugs will fit the outlet.

EACTA 2016

B. Braun & Edwards Lunch Symposium



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Thursday, May 12, 2016 | 13.30 – 14.30
Congress Center Basel, Room: Singapore

Modern Fluid Therapy to improve Patient Outcomes

Chairs:

PD Dr. med. Jens Fassl, Co-Chair EACTA 2016,

Head of Cardiac and Vascular Anesthesia University Hospital Basel (Switzerland)

Prof. Dr. med. Friedrich S. Eckstein

Director of the Department of Cardiac Surgery, University Hospital Basel (Switzerland)

▪ Perioperative Hemodynamic Optimization – Why and How?

Dr. med. Frederic Michard

Doctor in Critical Care Medicine, Managing Director MiCo, Lausanne (Switzerland)

▪ Modern Fluid Therapy according to New Guideline

Prof. Dr. Dr. med Kai Zacharowski

Director of the Department of Anaesthesia, Intensive Care Medicine and Pain Therapy,
University Hospital Frankfurt (Germany)



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Weitere Infos: www.eacta.org

PUBLIC TRANSPORTATION - The city of Basel and the surrounding area has an excellent public transport network that is known for its punctuality, short waiting times and modern vehicles. Basel's green and yellow trams have become an inseparable part of the cityscape. Together with the bus network, these ensure that the city's inhabitants and visitors alike can move themselves quickly and comfortably around the city and even across the border into the neighbouring countries of France and Germany. As a hotel guest in the city on the Rhine, you may also profit from the Basel Mobility Ticket, which allows you to use the public transport network for the entire duration of your stay.

EXPLORING THE CITY BY FOOT - Thanks to its manageable size, a simple and uncomplicated way to explore the city is by foot. A perfect way to navigate the city is by making use of the blue destination boards, which can be found at all the most important locations in the city center. The destination boards display comprehensive maps of the city and can be found at the Swiss Railway station (SBB), the Badischen Bahnhof, Marktplatz, Messeplatz, Schiffände and at the zoo. There are also five tours of the Old Town, which are also well-marked by blue plaques, providing a wonderful opportunity of discovering the city by foot.

RESTAURANTS - Here you will find an enormous selection, the offer ranges from small charming to highly decorated restaurants. Whether you fancy traditional food, gourmet creations or exotic specialties – Basel offers everything that the heart desires. As is well-known, the way to the heart is through the stomach.

TAXIS - There are taxi ranks dotted throughout the city centre. There are a number of taxi firms to choose from and as a visitor you are free to choose whichever you prefer. As a rough guide, from the city centre to selected destinations a taxi will cost approximately as follows:

EuroAirport	CHF 40	Trade Fair centre (Messezentrum)	CHF 15
Swiss Railway station (SBB)	CHF 20	Fondation Beyeler, Riehen	CHF 40
Badischer Bahnhof	CHF 20	Border triangle	CHF 25

Of course there may be surcharges for trips in the evening or on Sundays or public holidays.

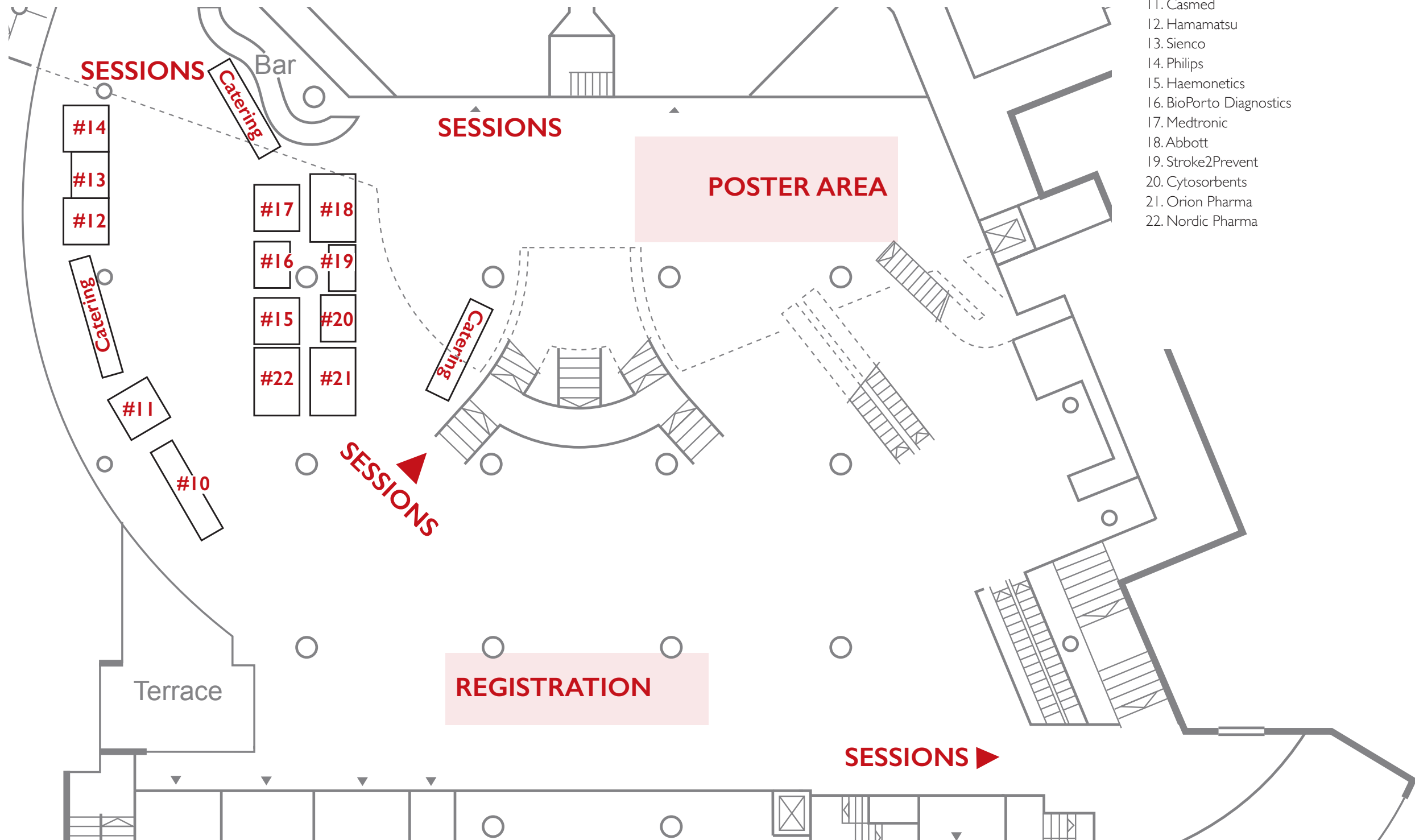
Some of the taxi companies are:

- 3erTaxi AG (+41 61 333 33 33)
- Taxiphon Genossenschaft (+41 61 444 4444)
- Enzo Taxi Basel (+41 79 533 44 44)
- Mini-cab AG (+41 61 777 77 77)
- You can either call or book online.

EXHIBITION



- LIST OF EXHIBITORS**
- 10. Wisepress
 - 11. Casmed
 - 12. Hamamatsu
 - 13. Sienco
 - 14. Philips
 - 15. Haemonetics
 - 16. BioPorto Diagnostics
 - 17. Medtronic
 - 18. Abbott
 - 19. Stroke2Prevent
 - 20. Cytosorbents
 - 21. Orion Pharma
 - 22. Nordic Pharma



INDUSTRY SPONSORED SYMPOSIA

WEDNESDAY, 11 MAY

13:30 - 14:30, Singapore

IS01 **Industrial symposium - Sponsored by Covidien / Medtronic**
Chairs: Jens Fassel & Charles W Hogue

13:30 - 14:30 **IS01** A novel approach of NIRS monitoring and target blood pressure management
Charles W Hogue, The Johns Hopkins University School of Medicine,
Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD, USA

THURSDAY, 12 MAY

13:30 - 14:30, Singapore

IS02 **Industrial symposium - Sponsored by Edwards / B. Braun Medical AG**
Modern fluid therapy to improve patient outcomes
Chairs: Friedrich Eckstein & Jens Fassel

13:30 - 14:00 **IS02** Perioperative hemodynamic optimization – why and how?
Frederic Michard, Doctor in Critical Care Medicine, Managing Director MiCo,
Lausanne, Switzerland

14:00 - 14:30 **IS02** Fluid management and haemodynamic optimization
Kai Zacharowski, University Hospital Frankfurt, Department of Anaesthesiology,
Intensive Care Medicine and Pain Therapy, Frankfurt am Main, Germany

FRIDAY, 13 MAY

13:30 - 14:30, Singapore

IS03 **Industrial Symposium - Sponsored by Orion Pharma**
Levosimendan in cardiac surgery - rationale, expectations and results
Chairs: Manfred D Seeberger, Fabio Guarracino & Vladimir V Lomivorotov

IS03 Perioperative heart failure - still a challenge
Martin Siegemund, University Hospital Basel, Department of Anaesthesia,
Basel, Switzerland

IS03 Effects of levosimendan on the renal function
Sven-Erik Ricksten, Sahlgrenska Universitetssjukhuset, Department of Anesthesiology
and Intensive Care, Göteborg, Sweden

IS03 Levosimendan for optimizing patients outcome in cardiac surgery
Dominique Bettex, University Hospital Zürich, Division of Cardiovascular Anaesthesia,
Zürich, Switzerland

13:30 - 14:30, Osaka/Samarkand

IS04 **Industrial Symposium - Sponsored by Nordic Pharma**
Is aprotinin an essential product in the arsenal of the current Patient Blood Management?
Chair: Wulf Dietrich, University of Munich, Institute for Research in Cardiac Anaesthesia and Working Group of Perioperative Hemostasis, Munich, Germany

13:30 - 14:00 **IS04** Scientific grounds: speaker to be confirmed

14:00 - 14:30 **IS04** Aprotinin in clinical practice: Mario Cibelli, Anaesthetics Department,
University Hospitals Birmingham NHS Foundation Trust, Queen Elizabeth
Hospital, Birmingham, UK



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BioPorto Diagnostics A/S is a Danish in-vitro diagnostics company that provides a range of diagnostic tests and antibodies including The NGAL Test® - a unique kidney injury biomarker for early diagnosis of Acute Kidney Injury following for instance Cardiac Surgery.



The Association of the Scientific Medical Societies in Germany (AWMF) generated a guideline on volume therapy in adults on the highest possible level of evidence (S3). Professor Zacharowski will present the findings and recommendations on the 12th Mai, 13:30 during the lunch symposium.

FORE-SIGHT ELITE®, the world's most accurate cerebral oximeter, delivers the confidence of knowing your patient is being accurately monitored. FORE-SIGHT ELITE is the first and only FDA cleared tissue oximeter featuring 5 wavelengths of near-infrared light for greater accuracy and enhanced tissue recognition; taking tissue oximetry to the next level and making it easier than ever to get accurate and actionable readings you can trust. The potential consequences of cerebral hypoxia can be permanent and catastrophic, but even the transient and less serious outcomes can lead to longer ICU and hospital stays and a higher cost of patient care. Don't rely on substitute parameters to infer cerebral oxygenation. Give yourself the best chance of detecting and treating hypoxic events as quickly as possible with this essential patient management tool. Give yourself the Confidence of Knowing.



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Hamamatsu Photonics is a world-leader in the manufacture of opto-electronic devices used in many applications including the medical market. The NIRO-200NX (DP) enables the non-invasive, real-time monitoring of cerebral or systemic oxygenation. It offers five measurement parameters and provides both oxygenation and haemodynamic data. This makes it the perfect tool for neurological monitoring and allows for improved patient management during and after cardiac surgery. The NIRO-200NX (DP) is the only NIRS monitor on the market which offers the possibility to use either disposable or reusable probes. It is a very flexible system, designed to fit your individual application needs for routine use and research.

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As a global leader in medical technology, services and solutions, Medtronic improves the lives and health of millions of people each year. We use our deep clinical, therapeutic, and economic expertise to address the complex challenges faced by healthcare systems today. Let's take healthcare Further, Together. Learn more at Medtronic.com.

The Nordic Group is a privately owned, pan-European pharmaceutical company, with a strong focus on the development and commercialization of niche hospital and orphan products. Nordic Group has a presence in 17 European countries, operating under the name of Nordic Pharma and Nordic Drugs. Nordic (which was already marketing an aprotinin product in UK) acquired rights to TRASYLOL® from Bayer in July 2012, worldwide excluding the United States. Additional information can be obtained at www.nordicpharmagroup.com.



Orion is a globally operating Finnish company with a strong vocation to discover and develop new therapeutic treatments and diagnostic tests. Orion Pharma's critical care portfolio includes two own proprietary products, the calcium sensitizer SIMDAX® (levosimendan i.v.) and the alpha2-agonist Dexdor® (dexmedetomidine i.v.). Simdax®, approved for treatment of acutely decompensated heart failure, is a calcium sensitizer and potassium channel opener which enhances both myocardial contractility and key organs microcirculation. Dexdor®, approved in Europe for sedation in intensive care units, allows patients to be arousable, calm and cooperative and maintains respiratory stability and reduces the risk of delirium.

Philips is one of the world's leading technology companies, with a long history of practical innovation and visionary design. In healthcare, we are committed to understanding the human and technological needs of patients and caregivers. We believe this understanding will help us deliver solutions that not only enable more confident diagnoses and more efficient delivery of care, but also improve the overall experience of care. We offer equipment, software, and services for imaging, patient monitoring, resuscitation and much more. Visit us at booth 14 to learn more. People focused. Healthcare simplified. www.philips.com/healthcare



The Sonoclot® Coagulation & Platelet Function Analyzer is a point-of-care viscoelastic monitoring technology used for clinical bleeding management and heparin management, including LMWH. Syringe to cup sample handling, no pipettes required. Separate results quantify the Clot Formation, Fibrin Formation, and Clot Retraction phases of hemostasis.

A-VIEW resolves the 'blind spot' in Transesophageal Echocardiography (TEE). A-VIEW is a patented balloon catheter, positioned in the trachea. A-VIEW enables echo imaging of the ascending aorta, aortic arch and branching vessels. A-VIEW enables perioperative screening for atherosclerosis and diagnosis in aortic dissection cases. A-VIEW supports surgeons to improve outcomes. www.stroke2prevent.com



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NOTES

MEDTRONIC SCIENTIFIC DINNER EVENT

Wednesday, May 11th, 2016

18:45 – 22:30

Halle 7

Gundeldingerfeld

Dornacherstrasse 192

CH-4053 Basel

Please visit our booth #17

**AT MEDTRONIC,
WE PUT PATIENTS
FIRST.**

Medtronic will host a unique Scientific Dinner Event, which brings together three well-renowned expert leaders to discuss strategies and new innovative approaches for NIRS monitoring to improve outcomes.

- **Prof. Werner**, Professor of Anesthesiology, Chairman, Department of Anesthesiology, University Hospital Medical Center Mainz
- **Dr. Hogue**, MD, Prof. of Anesthesiology & Critical Care Medicine, The Johns Hopkins University School of Medicine
- **Prof. Heringlake**, Deputy Director Cardiothoracic Anesthesia Unit, Dept. of Anesthesiology, University of Lübeck

Our experts will share their experience and discuss existing and new strategies on:

- What are the appropriate interventions for acute desaturation?
- Baseline low rScO₂, what does it mean, how do we intervene?
- rScO₂ for monitoring of the systemic circulation?
- Low rScO₂ as a transfusion trigger
- Are the subtraction algorithms for rScO₂ monitoring influenced by vasoconstrictors?

Small plate menu and beverages will be served during the Scientific Event.

A bus transfer will be available in front of Congress Center Basel, Messeplatz 21, departing at 18:30.

Space is limited. Please pre-register with your local representative or visit our booth #17

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WHEN THERE'S NO ROOM FOR DOUBT



In the complex, dynamic environment of the CVOR, there's no room for doubt—in your equipment or your team

- But an anaesthetic assistant can spend up to 20% of a procedure out of the room running gases*
- And traditional ACT equipment can give highly variable results right when you need them¹

Reference:

1. Ojito JW et al. J Extra Corpor Technol 2012;44:15-20

CVOR: cardiovascular operating room

* Assumes eight arterial blood gas (ABG) tests being run in a four-hour operation and travel time to and from the blood analyser outside of the CVOR. Excludes delays due to human factors, or any equipment delays

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Move beyond doubt with i-STAT—dependable, lab-quality results within the CVOR

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