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
Human factors underpinning patient safety – the patients’ perspective
Margrit Kessler, President of the of the Swiss Patient Foundation

09:30 - 10:30, Montreal

Plenary Lectures
Chairs: Manfred D Seeberger & Peter MJ Rosseel

09:30 - 10:00
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
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

101
Approved concepts for safety management and challenges for 2016
Chairs: Joachim Erb & Sven Staender

11:00 - 11:30
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

11:30 - 12:00
Human performance in the face of production pressure
Sven Staender, Regional Hospital Männedorf, Department of Anaesthesia and Intensive Care, Männedorf, Switzerland
101  Approved concepts for safety management and challenges for 2016 (cont.)

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

102  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

103  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
WEDNESDAY, 11 MAY 2016

12:30 - 13:00, Singapore

104 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

105 Oral presentations
Chairs: Philippe Gaudard & Miodrag Filipovic

12:30 - 12:40 OP04 A rational anaesthesia care program for endovascular renal denervation
Nikolai Kemenschchikov, 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
**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*

**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*

**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 Marcin*  
*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*
### Oral presentations (cont.)

**Chairs: Carl-Johan Jakobsen & Michael Sander**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>14:40 - 14:50</td>
<td>OP08</td>
<td>Neutrophil-derived inflammatory markers and acute kidney injury after lung transplantation</td>
<td>Rosalba Romano, L Thakuria, S Soresi, F de Robertis, A Popov, T Bahrami, M Amrani, M Carby, A Reed, A Simon, N Marcin</td>
<td>Department of Surgery and Cancer, Section of Anaesthetics, Imperial College London, UK &amp; Royal Brompton &amp; Harefield NHS Foundation Trust, Harefield Hospital, Harefield, UK</td>
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<tr>
<td>14:50 - 15:00</td>
<td>OP09</td>
<td>Evaluation of neutrophil activation in donor lungs for transplantation during perfusion with the organ care system</td>
<td>Rosalba Romano, L Thakuria, S Sheibani, S Soresi, F De Robertis, A Popov, M Amrani, T Bahrami, M Carby, A Reed, A Simon, N Marcin</td>
<td>Department of Surgery and Cancer, Section of Anaesthetics, Imperial College London, UK &amp; Royal Brompton &amp; Harefield NHS Foundation Trust, Harefield Hospital, Harefield, UK</td>
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<tr>
<td>15:00 - 15:10</td>
<td>OP10</td>
<td>Remote preconditioning protects early renal functions in low risk cardiac surgery patients</td>
<td>Funda Yildirim, AT Kurdal, T Ozturk, O Yuksel, C Gozukara, F Taneli, GD Horasan, M Cerrahoglu</td>
<td>Celal Bayar University, Department of Cardiovascular Surgery, Manisa, Turkey</td>
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<tr>
<td>15:10 - 15:20</td>
<td>OP11</td>
<td>Disorder of cerebrovascular autoregulation during cardiac surgery with CPB and its relation with the rate of post-operative cognitive dysfunction</td>
<td>Birute Kumpaitiene, M Svangzdiene, E Sirvinskas, R Zakelis, V Petkus, R Chomskis, A Ragauskas, R Benetis</td>
<td>Hospital of Lithuanian University of Health Sciences, Kauno Klinikos, Lithuania</td>
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<tr>
<td>15:20 - 15:30</td>
<td>OP12</td>
<td>Novel biomarkers (TIMP-2 and IGFBP7) of renal cell damage for the prediction of the cardiac surgery associated acute kidney injury - a feasibility study</td>
<td>Jens Fassl, T Mayer, O Reuthebuch, M Grapow, P Matt, M Scholz, MD Seeberger, D Bolliger</td>
<td>University Basel, Department of Anaesthesiology and Intensive Care Medicine, Basel, Switzerland</td>
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<tr>
<td>15:30 - 15:40</td>
<td>OP13</td>
<td>Hypoxic and hyperoxic preconditioning in myocardial protection against ischemia-reperfusion Injury: experimental study</td>
<td>Irina Mandel, Y Podoxenov, I Suhodolo, A Podoxenov, Y Svirko, N Kamenschikov, S Mikheev, A Sementsov, A Dzuman, L Maslov</td>
<td>Research Institute for Cardiology, Department of Anaesthesiology and Intensive Care, Tomsk, Russian Federation</td>
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</table>
**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 Anesthaesia Group, Department of Cardiac Anaesthesia, Aurangabad, India

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**Poster & Exhibition Area**

14:30 - 16:00, Poster session

PS01

**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 Ogus, A Erkýlýnc, 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 Anesthaesia 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, Anesthaesia 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
**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  
**OP14**  
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  
**OP15**  
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  
**OP16**  
Trends of central and somatic rSO2 during cardiopulmonary bypass in adults and their interaction with cardiopulmonary bypass parameters  
Anna Semenova, V Agapov, I Eustifeev, 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

**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

**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

**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

**Poster session**

**Chairs: Gianluca Paternoster & Manfred D Seeberger**

**P07** Cerebral microembolic load in open heart surgery with different extracorporeal circulation systems
*Gabor Erdös, R Basciani, E Gygax, 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 Kılercik, H Karabulut, F Toraman*
Presenter’s affiliation: Acibadem University Medical Faculty Department of Anaesthesia 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

**Oral presentations**

**Chairs: David Mazer & Peter MJ Rosseel**

17:30 - 17:40 **OP17** 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
Oral presentations (cont.)

17:40 - 17:50  OP18  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 Germay
Presenter’s affiliation: Saint Pierre Hospital, Anaesthesiaology Department, Bruxelles, Belgium

17:50 - 18:00  OP19  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

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 - 19:30
Welcome Reception
08:30 - 10:00, Montreal

201 Coagulation & blood management
Chairs: Marco Ranucci & Marcus Lance

08:30 - 09:00  PL.25 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  PL.26 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  PL.27 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  PL.28 Pro: Keep the lung open
Maria Carmen Unzueta, Hospital de Sant Pau, Department of Anaesthesiology, Barcelona, Spain

08:50 - 09:10  PL.28 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  PL.29 Pro: Without intubation is appropriate
Waheedulah Karzai, Zentralklinik Bad Berka GmbH, 'Klinik für Anästhesie und Intensivmedizin, Bad Berka, Germany

09:30 - 09:50  PL.29 Con: Without intubation is not appropriate
Laszlo Szegedi, Brussels University Hospital, Department of Anaesthesiology, Brussels, Belgium

09:50 - 10:00  Discussion
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<th>Speaker(s)</th>
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<tr>
<td>08:30</td>
<td>Renal protection and CPB</td>
<td>Marc Vives, University of Barcelona, Bellvitge University Hospital,</td>
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<td>Department of Anaesthesiology and Critical Care, Barcelona, Spain</td>
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<td>08:55</td>
<td>CPB - techniques, education and training, a</td>
<td>Deepak Tempe, G.B. Pant Hospital, Department of Anaesthesiology, New</td>
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<td>perspective from India</td>
<td>Delhi, India</td>
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<td>09:20</td>
<td>Volatile anaesthetics versus TIVA during CPB</td>
<td>Giovani Landoni, Vita-Salute San Raffaele University, Department of</td>
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<td>Cardiovascular Anaesthesia, Milan, Italy</td>
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<tr>
<td>09:45</td>
<td>Volatile anaesthetics during CPB, risks and</td>
<td>Caeano Nigro Neto, Federal University of São Paulo (UNIFESP), Department</td>
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<td>technical issues</td>
<td>of Anaesthesiology, São Paulo, Brazil</td>
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<td>10:10</td>
<td>Prime solutions and cardioplegia: an update</td>
<td>Florian Falter, Papworth Hospital, Department of Cardiothoracic Anaesthesia</td>
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<td>&amp; Intensive Care, Cambridge, UK</td>
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<td>10:35</td>
<td>Break</td>
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<td>10:45</td>
<td>Cerebral monitoring and postoperative outcome</td>
<td>Charles W Hogue, The Johns Hopkins University School of Medicine,</td>
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<td>during CPB, what is new?</td>
<td>Department of Anaesthesiology and Critical Care Medicine, Baltimore, MD,</td>
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<td>11:10</td>
<td>Evidence-based practice for the dose of</td>
<td>Christa Boer, VU University Medical Center, Institute for Cardiovascular</td>
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<td>protamine</td>
<td>Research, Department of Anaesthesiology, Amsterdam, The Netherlands</td>
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<td>11:35</td>
<td>How to maintain optimal perfusion during</td>
<td>Marco Ranucci, IRCCS Policlinico San Donato, Department of Cardiothoracic</td>
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<td></td>
<td>CPB?</td>
<td>and Vascular Anaesthesia &amp; Intensive Care Unit, Milan, Italy</td>
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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

P14 Does glycemic level affect neurologic outcomes during cardiopulmonary bypass?

Elvin Kesimci, E Erkylç, F Alaybeyoglu, C Balcý, T Dulkadiroglu, T Gumus, O Kanbak
Presenter’s affiliation: Ataturk Training and Research Hospital, Ankara, Turkey

P15 Cerebral oxgen 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 Beregnow, I Chernov, D Tungusov, V Gerasimenko, S Ibragimov, K Kitalaeva, D Tarasov
Presenter’s affiliation: Astrakhan Federal Centre for Cardiac Surgery, Department of Anaesthesia and Intensive Care, Astrakhan, Russian Federation
**Poster session (cont.)**

**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*

**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

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 Beregnow, I Chernov, D Tungusov, V Gerasimenko, S Ibragimov, K Kitalaeva, 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
Best abstract presentations (cont.)

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

14:30 - 15:30  **PL34**  Never events - never mind?
William Harrop-Griffith, Imperial College Healthcare NHS Trust, St Mary’s Hospital, London, UK

14:30 - 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: Joachim Erb & Dominique Bette

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: Sascha Treskatsch & 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

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
**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 Westerlund*

- **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
**Difficult problems in the cardiac operating room and the intensive care unit (cont.)**

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*

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**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 Schneider, Cantonal Hospital St. Gallen, Division of Anaesthesiology, Intensive Care, Rescue and Pain Medicine, St. Gallen, Switzerland*

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

**PS04**  Poster session
*Chairs: Fabio Guarracino & 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*

**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*
**FINAL PROGRAMME**

**THURSDAY, 12 MAY 2016**

**16:30 - 18:00, Rio**

**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 Sinelnikov*  
*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 Fominskyi, 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, Russia*
214 Oral presentations (cont.)

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

215 Oral presentations
Chairs: Vladimir V Lomivorotov & Anne Westerlind

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 Anesthaesia 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 Kuzminskaitė, I Norkiene, M Kaukenaite, A Komarovec, Presenter’s affiliation: Vilnius University Hospital Santariskiu Clinics, Center of Anaesthesiology, Intensive Care and Pain Medicine, Vilnius, Lithuania

19:00 – 22:45
Congress Dinner
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

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 traoesophageal (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
**Poster session (cont.)**

**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

**P31** The improvement of myocardial activity after coronary artery bypass grafting assessed by speckle tracking imaging  
Francesca D'Auria, R Leone, G Mastrogiavanni, 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-blind 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: Christian 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
Postgraduate crash course in coagulation and transfusion in cardiac surgery (cont.)

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

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 thromboprophylaxis 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
Oral presentations (cont.)

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

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

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
State of the art lectures (cont.)

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
Chair: 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
Chair: 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
**FRIDAY, 13 MAY 2016**

**Poster session (cont.)**

**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*

**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, J Malagon*  
*Presenter’s affiliation: University Hospital of South Manchester NHS Foundation Trust, UK*

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**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 Kjøller, 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

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 Anesthesiology & 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

Industrial Symposium

13:30 - 14:30, Osaka/Samarkand

Industrial Symposium
14:00 - 16:00, Rio

311 Hands-on course - Point of care coagulation
Chair: Christian von Heymann

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 Hoger, Triemli City Hospital Zürich, Institute of Anaesthesiology and Intensive Care Medicine, Zürich, Switzerland

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