



European Association of
Cardiothoracic Anaesthesiologists

eacta 15

Annual Congress



30TH
ANNUAL
CONGRESS

Final Programme

Gothenburg, Sweden / June 24–26, 2015

Organ dysfunction in cardiothoracic and
vascular anaesthesia and critical care

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WEDNESDAY, JUNE 24, 2015

08:30 - 09:15, Room F4/F5

101 Opening Ceremony

08:30

Inflammation and Cardiovascular Disease

G.K. Hansson (Member of the Nobel Committee); *Karolinska Institute*

09:15 - 10:00, Room F4/F5

201 Plenary lecture

09:15

Update on TEE guidelines

S.T. Reeves; *Medical University of South Carolina*

10:00 OP003

Dynamic measurements of diastolic dysfunction in cardiac surgery and cardiac post operative morbidity scoringHafsah Hussain, Andrew Rogers, Hilary Shanahan, Vivek Sivaraman, Andrew Smith, Bonnie Kyle; *The Heart Hospital, UCL Hospitals NHS Foundation Trust*

10:10 OP004

Inter-trigonal distance measured by real-time three-dimensional transesophageal echocardiography for predicting the size of mitral annuloplasty ringKuniko Morishima, Yuzuru Inatomi, Yoshihiko Ohnishi; *National Cerebral and Cardiovascular Center*

10:20 OP005

Agreement of tricuspid annular systolic excursion (tapse) measurement in M-Mode between transthoracic (TTE) and Transesophageal (TOE) EchocardiographyAnna Flo, Elham Hasheminejad, Monica Dobrovie, Jaqueline Da Rocha e Silva, Jörg Ender; *Heart Center Leipzig University*

09:15 - 10:00, Room F2/F3

202 Plenary lecture

09:15

Is oxygen too much of a good thing?

B.S. Rasmussen; *University Hospital Aalborg*

10:00 OP007

New anti pollution filter for volatile agents during cardiopulmonary bypass: preliminary testsCaetano Nigro Neto; *Dante Pazzanese Institute of Cardiology*

10:10 OP008

Inhaled Nitric Oxide in Lung Transplantation in a large volume centre: evidence or tradition?Maria Benedetto^{1,2}, Rosalba Romano^{1,3}, Georgiana Baca¹, Andreas Fischer⁴, Andre Simon¹, Nandor Marczin^{1,3}; ¹ *Royal Brompton and Harefield NHS Foundation Trust, Harefield, United Kingdom* ² *Campus Bio-Medico University, Rome, Italy* ³ *Anaesthetics, Imperial College London, London, United Kingdom* ⁴ *Royal Brompton and Harefield NHS Foundation Trust, London, United Kingdom*

10:20 OP009

Low perioperative mixed venous saturation is associated with postoperative cognitive dysfunction on 1st postoperative day.Anne-Grethe Lorentzen, Linda Aagaard Rasmussen, Carl-Johan Jakobsen; *Aarhus University Hospital, Aarhus, Denmark*

**WEDNESDAY, JUNE 24, 2015****09:15 - 10:00, Room G3****203 Plenary lecture**

- 09:15** **Anaesthesia for transcatheter aortic valve implantation**
S. Rex; *University Hospital Leuven*
- 10:00** **OP011** **Low preoperative endotoxin core and anti-staphylococcal antibody levels are associated with prolonged hospital stay following aortic valve surgery**
Sarka Moravcova¹, Bonnie Kyle², Thomas Treibel², Andrew Smith², Patricia Colques-Navarro³, Roland Molby³, Colin Hamilton-Davies²; ¹*Royal Brompton & Harefield NHS Trust, London, UK*, ²*UCL Hospitals, London, UK*, ³*Karolinska Institute, Stockholm, Sweden*
- 10:10** **OP012** **Minimally invasive mitral valve surgery through right thoracotomy is a safe and effective procedure in short and long term. A propensity score analysis**
Paula Carmona García¹, Alejandro Vazquez², Eva Mateo¹, Carlos Errando¹, Sergio Cánovas³; ¹*La Fe University Hospital Valencia* ²*Hospital Politecnico La Fe*, ³*Hospital Universitario Virgen de la Arrixaca*
- 10:20** **OP013** **Feasibility of analyzing circumflex artery anatomy by real time 3D transesophageal echocardiography compared to 3D reconstructed cardiac computed tomography**
Carmine Bevilacqua¹, Sarah Eibel¹, Borek Foldyna², Lukas Lehmkuhl², Matthias Gutberlet², Chirojit Mukherjee¹, Joerg Seeburger³, Joerg Ender¹;
¹*Department of Anesthesiology, Heart Center Leipzig, Germany*,
²*Department of Radiology, Heart Center Leipzig, Germany*,
³*Department of Cardiothoracic Surgery, Heart Center Leipzig, Germany*

10:30 - 11:00**Coffee break and Exhibition****11:00 - 13:00, Room F4/F5****301 Echo panel**

- 11:00** **When to intervene for tricuspid incompetence**
J. Erb; *Universitätsspital Basel*
- 11:30** **Unidentified aortic stenosis and mitral regurgitation - when to intervene**
F. Guarracino; *Azienda Ospedaliera Università*
- 12:00** **What to tell the surgeon about their valve repairs and replacements**
P. Wouters; *Ghent University Hospital*
- 12:30** **Echocardiography for mechanical circulatory support: LVAD, ECMO, IABP**
D. Greenhalgh; *Wythenshawe Hospital*



WEDNESDAY, JUNE 24, 2015

11:00 - 13:00, Room F2/F3

302 Postoperative cognitive dysfunction in cardiac surgery

- 11:00 **Assessment of postoperative cognitive dysfunction**
J. Rasmussen; *University of Copenhagen*
- 11:30 **Thirty years of cognitive dysfunction research -where are we?**
H. Grocott; *St. Boniface Hospital*
- 12:00 OP020 **Cerebral oxygen saturation in thoracic aortic surgery: a single centre prospective observational study in 215 patients**
Reto Basciani; *University Hospital Bern*
- 12:10 OP021 **Serum Protein S100 for the prediction of postoperative delirium after off-pump coronary artery bypass surgery: a prospective observational trial**
Layth Al Tmimi¹, Koen Poesen², Jan Van Hemelrijck¹, Marc Van de Velde¹, Paul Sergeant³, Bart Meyns³, Steffen Rex¹; ¹KU Leuven - University of Leuven, Department of Anaesthesiology Leuven, Belgium. ²KU Leuven - University of Leuven, Department of Laboratory Medicines, Leuven, Belgium ³KU Leuven - University of Leuven, Department of Cardiac Surgery, Leuven, Belgium.
- 12:20 OP022 **Intraoperative decrease of regional cerebral oxygen saturation is not associated with the occurrence of delirium after elective cardiac surgery**
Francisca Santos¹, Clara Luís², Marisa Gonçalo¹, Fernando Abelha¹, João Viterbo¹; ¹Centro Hospitalar de São João; ²Centro Hospitalar de Trás-os-Montes e Alto Douro
- 12:30 **Neuroinflammation postoperative dysfunction and delirium**
D. van Dijk; *University medical center Anaesthesiologist intensivist*

11:00 - 13:00, Room G3

303 Pediatric cardiac surgery panel

- 11:00 **Pulmonary hypertension in pediatric cardiac surgery**
H. Ravn-Berg; *Aarhus University Hospital*
- 11:30 **Anaesthetics and myocardial protection in pediatric cardiac surgery**
I. Malagon; *University Hospital South Manchester*
- 12:00 OP026 **Myocardial blood flow reflects myocardial oxygenation in healthy swine**
Dominik P. Guensch; *Bern University Hospital, Department Anaesthesiology and Pain Therapy*
- 12:10 OP027 **Echocardiographic prognosis of right-ventricular failure after implantation of a paediatric left ventricular assist device (LVAD)**
Matthias Hommel MD MBA¹, Helmut Habazettl MD PHD², Marian Kukucka MD PHD¹; ¹Department of Anesthesiology, German Heart Institute Berlin, ²Institute of Physiology, Charité Berlin
- 12:20 OP028 **Thromboelastometry detects impaired platelet aggregation during but not after paediatric cardiac surgery**
Birgitta Romlin¹, Fredrik Söderlund¹, Anders Jeppsson²; *Department of Paediatric Anaesthesia and Intensive Care, Sahlgrenska University Hospital*
- 12:30 **Paediatric extra-corporeal membrane oxygenation**
C. Westrope; *University Hospitals Of Leicester*

**WEDNESDAY, JUNE 24, 2015****11:00 - 13:00, Room F1****304 Thoracic Panel**

- 11:00 **Ventilatory strategies during one-lung mechanical ventilation - state of the art**
T. Vegh; *University of Debrecen*
- 11:30 **Thoracic epidural analgesia and one-lung mechanical ventilation: useful or harmful?**
M. El-Tahan; *King Fahd Hospital Dammam University*
- 12:00 OP032 **The effect of prophylactic post-operative high flow nasal oxygen on patient recovery after lung resection surgery: a single blinded, randomised, controlled trial**
Bilal Ansari¹, Maurice Hogan¹, Tim Collier², Adam Baddeley³, Marco Scarci⁴, Aman Coonar⁴, Fiona Bottrill⁵, Guillermo Martinez¹, Andrew A Klein¹; *Papworth Hospital, Papworth Everard, Cambridge, CB23 3RE, UK.*¹ *Department of Anaesthesia and Intensive Care,* ³ *Department of Physiotherapy,* ⁴ *Department of Cardiothoracic Surgery,* ⁵ *Department of Research and Development – London School of Hygiene and Tropical Medicine, Keppel Street, London, WC1E 7HT, UK* ² *Department of Medical Statistics*
- 12:10 OP033 **NOD2 gene variant rs2066844 and association with postoperative respiratory failure phenotype in 517 elective adult cardiac surgical patients.**
Maciej M. Kowalik¹, Romuald Lango¹, Magdalena Chmara², Rafał Pawlaczyk³, Paweł Żelechowski³, Maciej Brzeziński³, Janusz Limon², Jan Rogowski³; *Medical University of Gdańsk, Dept. of Cardiac Anesthesiology*
- 12:20 OP034 **Double lumen tube caused auto-PEEP during one-lung ventilation**
J. Spaeth, M. Ott, S. Schumann, T. Loop; *University Hospital Freiburg*
- 12:30 **Rehabilitation in thoracic anaesthesia**
M. Licker; *University Hospital Geneva*

13:00 - 14:00**Lunch Symposia**

for details please refer to page 31



WEDNESDAY, JUNE 24, 2015

13:00 - 14:00, Poster Exhibition Area

PS1 Poster Session 1

- 13:00 P01 **Individualized protamine dosing based on a computerized pharmacokinetic model**
MI Meesters¹, D Veerhoek², JR de Jong¹, G Kuiper¹, C Boer¹; *Departments of ¹Anesthesiology and ²Cardio-thoracic Surgery, Institute for Cardiovascular Research, VU University Medical Center*
- 13:08 P02 **Anesthetic management of a patient with right ventricular epicardium located cyst hydatid**
Ömer Faruk Boran, Aykut Urfalıoğlu, Mahmut Arslan, Gökçe Gişi, Bora Bilal, Hüseyin Yıldız, Hafize Öksüz; *Kahramanmaraş Sütçü İmam University*
- 13:16 P03 **Intracoronary administration of levosimendan in acute coronary syndrome with decreased left ventricular ejection fraction: a case series**
Vjera Marinov, Nenad Karanovic, Mladen Carev, Dubravka Kocen, Mihajlo Lojpur, Zdenko Covic; *University Hospital Center Split*
- 13:24 P04 **The relationship between changes in meteorological parameters and the outcome of paediatric cardiac surgery**
Daniel J. Lex¹., Sándor I. Piross², Andrea Fülöp³, Enikő Holndonner-Kirst¹, György Róth¹, Erzsébet Sági⁴, János Gál⁵, Andrea Székely⁵; ¹*Semmelweis University, School of Doctoral Studies*, ²*Szent István University*, ³*Hungarian National Meteorological Survey*, ⁴*Gottsegen Hungarian Institute of Cardiology*, ⁵*Semmelweis University, Department of Anaesthesiology and Intensive Therapy*
- 13:32 P05 **Comparison of human albumin solution vs. Standard solutions in ICU post-cardiac surgery**
Christopher McGinley; *Adarsh Lal, Golden Jubilee National Hospital, University of Dundee*
- 13:40 P06a **Effectiveness of sub-albumin protein leakage membrane EMIC2 in post cardio-surgery rhabdomyolysis**
Gianluca Paternoster; *Cardiovascular Anaesthesia and Intensive Care San Carlo Hospital*
- 13:48 P06b **Preventing postoperative LIMA-spasm using nitroglycerine during CABG: a systematic review of randomized controlled trials.**
J.A. Kok, J.H. Heijmans, E.M. Maas, W.F.F.A. Buhre, J.U. Schreiber; *Maastricht University Medical Centre, department of Anesthesiology*

**WEDNESDAY, JUNE 24, 2015****13:00 - 14:00, Poster Exhibition Area****PS2 Poster Session 2**

- 13:00 P07 **Sevoflurane and Isoflurane – Pharmacokinetics and Cardioprotective Effects during Cardiopulmonary Bypass**
Jens Fassl; *University Hospital Basel*
- 13:10 P08 **Macromolecule Administration Favors Fluid Restrictive Strategy During Cardiac Surgery, but Causes Bleeding, Transfusion Requirement and Haemodynamic Support After Surgery**
Samarani G¹, Zeroual N¹, Villard J¹, Ruiz R¹, Gourcerol F¹, Colson P¹;
Department of Anesthesia and Intensive Care D, CHRU Montpellier, France
- 13:20 P09 **Does Off Pump Coronary Artery Bypass (OPCAB) surgery reduces transfusion requirements?**
O.Jansoniene, F.Caliandro, H.Day, C.Walker and L.Kuppurao; *Harefield Hospital, Royal Brompton & Harefield NHS Foundation Trust, London.*
- 13:30 P10 **Validation of viscoelastic coagulation tests with TEG and ROTEM during cardiopulmonary bypass**
Erik Ortmann¹, Antonio Rubino¹, Balsam Altemimi¹, Timothy Collier², Martin W. Besser³, Andrew A. Klein¹; ¹*Papworth Hospital, Cambridge, UK;*
²*London School of Hygiene and Tropical Medicine, London, UK;*
³*Addenbrooke's Hospital, Cambridge, UK*
- 13:40 P11 **Impact of dabigatran, rivaroxaban, apixaban and edoxaban on acitivated clotting time: an in vitro study**
Anne-Sohie Dincq¹, JonathanDouxfls², Maximilien Gourdin¹, Jean-Michel Dogné², Bernard Chatelain¹, François Mullier^{1,2}, Sarah Lessire¹; ¹*Catholic University of Louvain,*
²*University of Namur*
- 13:50 P12 **Tracheostomy practice in cardiothoracic intensive care**
Orinta Jansoniene, John Jones, Theodoros Tsoutsouras, Donna Hall;
Harefield Hospital



WEDNESDAY, JUNE 24, 2015

13:00 - 14:00, Poster Exhibition Area

PS3 Poster Session 3

- 13:00 P13 Respiratory rate measurements after cardiac surgery - incidence of abnormal breathing patterns in an observational case series**
Georgina Maria Cubas, Weihong Du, Zoka Milan, Gudrun Kunst;
King's College Hospital NHS Foundation Trust
- 13:10 P14 An audit of the intraoperative use of bispectral index monitoring at a specialist cardiothoracic hospital**
Áine Heaney; *Royal Brompton Hospital*
- 13:20 P15 A 5-year-Single-Centre Experience: Outcome after Continuous Renal Replacement Therapy (CRRT) for acute renal failure following cardiac surgery**
Shah Shitalkumar S, Nolan Catherine, Lowe Margaret; *Singapore General Hospital, Singapore, Royal Vactoria Hospital, UK*
- 13:30 P16 Regional cerebral oxygen desaturation measured by Near-Infrared-Spectroscopy is not a reliable indicator for cerebral outcome after aortic arch surgery**
Werner Baulig¹, Philipp Buehler², Karin Brueckner², Dominique Bettex², Marco Bosshart³; ¹Klinik Im Park, Department of Anaesthesiology and Intensive Care Medicine, Zurich, ²University Hospital Zurich, Insitute of Anaesthesiology, Zurich, ³Klinik Hirslanden Zurich, Insitute of Anaesthesiology and Intensive Care Medicine, Zurich
- 13:40 P17 Neutrophil lymphocyte ratio as a mortality predictor following hypoplastic left heart surgery**
Omer Faruk Savluk¹, Fusun Guzelmeric¹, Yasemin Yavuz¹, Can Vuran², Eylem Tuncer², Aybala Tongut², Ali Can Hatemi², Aysu Turkmen⁴, Naci Oner³, Ayşe Yıldırım³, Metin Sungur³, Sinem Altinyuvausta³, Hakan Ceyran²; ¹Kartal Kosuyolu High Education And Training Anesthesiology, ²Kartal Kosuyolu High Education And Training Pediatric Cardiac Surgery, ³Kartal Kosuyolu High Education And Training Pediatric Cardiology, ⁴Kartal Kosuyolu High Education And Training Hospital Pediatrics
- 13:50 P18 Effect of blood transfusion strategy on mortality in cardiac surgery: a meta-analysis of randomized controlled trials**
Evgeny Fominskiy, Martina Crivellari, Laura Pasin, Gianluca Paternoster, Luca Lucchetta, Alberto Castella, Fabrizio Monaco, Giovanni Landoni, Alberto Zangrillo; *IRCCS San Raffaele Scientific Institute, Milan, Italy*

**WEDNESDAY, JUNE 24, 2015****14:00 - 16:00, Room F4/F5****401 Transplantation and mechanical support panel**

- 14:00** **LVAD as a destination therapy**
G. Dellgren; *University of Gothenburg*
- 14:30** **Bleeding associated with ECMO and VAD devices – mechanisms and treatment options**
M. Ranucci; *IRCCS Policlinico San Donato*
- 15:00** **OP038** **Impact of cardiopulmonary bypass (CPB) on lung injury and marginated leukocyte dynamics during bilateral lung transplantation (LTx).**
Rosalba Romano^{1,2}, Kate Tatham¹, Kieran O'Dea¹, Padmini Sarathchandra³, Louit Thakuria^{2,3}, Anna Reed², Fabio De Robertis², Aron Popov², Mohamed Amrani², Toufan Bahrami², Andre Simon², Masao Takata¹, Nandor Marczin^{1,2};
¹Anaesthetics, Pain Medicine and Intensive Care, Imperial College London, London, United Kingdom ²Royal Brompton and Harefield NHS Foundation Trust, Harefield, United Kingdom ³National Heart and Lung Institute, Imperial College London, London, United Kingdom
- 15:10** **OP039** **The munich lung transplant group: intraoperative extracorporeal circulation in lung transplantation**
D.J. Hoechter¹, V. von Dossow-Hanfstringl¹, S. Czerner¹, H. Winter², R. Hatz², C. Schneider², H.-H. Müller³, T. Weig¹, B. Zwißler¹, B. Meiser⁴, C. Neurohr⁵, T. Meis⁵, J. Behr⁵, F. Born⁶, C. Hagl⁶, R. Schramm^{4,6}; ¹Dept. of Anaesthesiology, ²Dept. of General-, Visceral-, Transplant-, Vascular- and Thoracic Surgery, ³Dept. of Biometrics Epidemiology, ⁴Transplantation Centre, ⁵Dept. of Medicine V, Member of the German Centre for Lung Research ⁶Clinic of Cardiac Surgery, University Hospital, Ludwig Maximilian University, Munich, Germany
- 15:20** **OP040** **Indication to ECMO during lung transplantation**
M. Pizzocri¹, V. Salice¹, B. Safaee Fakhr¹, E. Quarenghi¹, M. Lanfranconi², N. Vignola³, A. Perazzoli¹, C. Marengi¹, L. Santambrogio^{4,5}, L. Gattinoni^{1,4}, F. Valenza^{1,4}; ¹Dipartimento di Anestesia Rianimazione (Intensiva e Subintensiva) e Terapia del dolore, Fondazione IRCCS Ca' Granda-Ospedale Maggiore Policlinico, Milan, Italy; ²Dipartimento di Cardiocirurgia "A. De Gasperi", Ospedale Niguarda Ca' Granda, Milan, Italy; ³Servizio Perfusioni E.P.S., Rome, Italy; ⁴Dipartimento di Fisiopatologia Medico-Chirurgica e dei Trapianti, Università degli Studi di Milano, Milan, Italy; ⁵Unità Operativa di Chirurgia Toracica, Fondazione IRCCS Ca' Granda-Ospedale Maggiore Policlinico, Milan, Italy
- 15:30** **INSPIRE the field, EXPAND the horizon, PROCEED with the task: ex-vivo lung and heart perfusion for transplantation**
N. Marczin; *Imperial College London*



WEDNESDAY, JUNE 24, 2015

14:00 - 16:00, Room F2/F3

402 Haemostasis and transfusion panel I

- 14:00 **Definition of bleeding and impact of bleeding in cardiac surgery?**
C. von Heymann; *Charité-University Berlin*
- 14:30 **Haemostasis evolution; from the cradle to successful ageing**
D. Roysten; *University of Liverpool*
- 15:00 OP044 **The effect of pericardial lavage with and without tranexamic acid on postoperative blood loss in cardiac surgery: a randomized placebo-controlled trial.**
Dorien M. Kimenai¹, Bastiaan M. Gerritse², Cees Lucas³, Peter M. Rosseel², Mohammed Bentala⁴, Paul van Hattum⁵, Nardo J.M. van der Meer²,
Thierry V. Scohy²; ¹Department of Extracorporeal Circulation, Amphia Hospital, Breda, the Netherlands; ²Department of Anesthesiology, Amphia Hospital, Breda, the Netherlands; ³Department of Clinical Epidemiology, Biostatistics and Bioinformatics, Academic Medical Centre, University of Amsterdam, Amsterdam, the Netherlands; ⁴Department of Cardiothoracic Surgery, Amphia Hospital, Breda, the Netherlands; ⁵Department of Clinical Pharmacy, Amphia Hospital, Breda, the Netherlands
- 15:10 OP045 **Intraoperative use of a cell saver augments the risk of postoperative infection associated with red blood cell transfusion in cardiac surgery.**
Jan van Klarenbosch¹, Jan Dieleman¹, Hans de Vries²; ¹UMC Utrecht, ²UMG Groningen, Netherlands
- 15:20 OP046 **Acute massive bleeding after cardiac surgery: a new definition evaluated in a multicenter study**
Pascal Colson^{1,2}, Philippe Gaudard², Jean Luc Fellahi^{1,3}, Elena Bertet², Marie Faucanie², Marie Christine Picot²; ¹ARCOTHOVA group; ²CHRU Montpellier; ³Hôpital cardiovasculaire et pneumologique Louis Pradel, Lyon, France
- 15:30 **The effect of blood transfusion on the microcirculation**
C. Boer; *VU University Medical Center Amsterdam*

14:00 - 15:00, Room G3

403a ECMO Workshop

- 14:00 **ECMO Workshop**
P. Fawcett; *Wythenshawe Hospital Manchester*
- 14:30 **ECMO Workshop**
C. Purcell; *Wythenshawe Hospital Manchester*

15:00 - 16:00, Room G3

403b ECMO Workshop

- 15:00 **ECMO Workshop**
P. Fawcett; *Wythenshawe Hospital Manchester*
- 15:30 **ECMO Workshop**
C. Purcell; *Wythenshawe Hospital Manchester*



WEDNESDAY, JUNE 24, 2015

14:00 - 16:00, Room F1

404 Thoracic Workshop

14:00

Double-lumen tubes (L. Szegedi / K. Kirnö)

Endobronchial blockers (E. Cohen)

Epidural and paravertebral thoracic blocks (M. Senturk / P. Nellgård)

Station 1. Left-sided double lumen tubes (M. Granell, J. Bence)

Station 2. Right-sided double lumen tubes (G. Della Rocca, M.C. Unzueta)

Station 3. Cook Cohen endobronchial blockers (L. Szegedi, M. Drnovsek Globokar)

Station 4. Cook Arndt endobronchial blockers (M.J. Licker, M. El Tahan)

Station 5. EZ blockers (K. Kirno, T. Vegh)

Station 6. Univent, Fuji blockers (P. Nellgard, M. Senturk)

Station 7. Viva Sight tubes (L. Szegedi, R. Stoica)

Station 8. Thoracic epidural & paravertebral blocks (M.J. Jimenez, M. Granell, M. Senturk)

16:00 - 16:30

Coffee break and Exhibition

16:30 - 18:30, Room F4/F5

501 Meet the experts on CPB

tba

Is there an optimal flow during CPB?

F. de Somer, *Ghent University*

tba

CPB and Inflammatory Response - an update

F. Merkle, *Deutsches Herzzentrum Berlin*

tba

Incidents and complications during CPB - how to avoid them

A. Wahba, *NTNU Trondheim*

16:30 - 18:30, Room F2/F3

502 Vascular Workshop

16:30

Ultrasound-guided cervical block in vascular surgery patients

K.H. Stadlbauer, *Medical University Innsbruck*



WEDNESDAY, JUNE 24, 2015

16:30 - 17:30, Room G3

503a ECMO Workshop

- 16:30 ECMO Workshop
P. Fawcett; Wythenshawe Hospital Manchester
- 17:00 ECMO Workshop
C. Purcell; Wythenshawe Hospital Manchester

17:30 - 18:30, Room G3

503b ECMO Workshop

- 17:30 ECMO Workshop
P. Fawcett; Wythenshawe Hospital Manchester
- 18:00 ECMO Workshop
C. Purcell; Wythenshawe Hospital Manchester

16:30 - 17:30, Room F1

504 Thoracic Workshop continued

- 16:30 Double-lumen tubes (L. Szegedi / K. Kirnő)
Endobronchial blockers (E. Cohen)
Epidural and paravertebral thoracic blocks (M. Senturk / P. Nellgård)
- Station 1. Left-sided double lumen tubes (M. Granell, J. Bence)
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Station 7. Viva Sight tubes (L. Szegedi, R. Stoica)
Station 8. Thoracic epidural & paravertebral blocks (M.J. Jimenez, M. Granell, M. Senturk)

18:30

Welcome Reception



THURSDAY, JUNE 25, 2015

08:30 - 10:30, Room F4/F5

601 Renal Panel

- 08:30 **Preventing acute kidney injury in cardiac surgery: the role of perfusion**
M. Ranucci; *IRCCS Policlinico San Donato*
- 09:00 **Pharmacological treatment of acute kidney injury after cardiac surgery**
S.E. Ricksten; *University Hospital Gothenburg*
- 09:30 OP061 **Association between Endotoxin Activity and Acute Kidney Injury in Cardiac Patients Undergoing Cardiopulmonary Bypass**
Gianluca Paternoster; *Department of Cardiovascular Anaesthesia and Intensive Care San Calo Hospital Potenza Italy*
- 09:40 OP062 **The opposite effect of age on creatinine baseline estimates**
M. H. Bernardi¹, D. Schmidlin², R. Ristl³, T. Neugebauer¹, M. Hiesmayr¹ and A. Lassnigg¹;
¹Department of Cardiothoracic and Vascular Anaesthesia and Intensive Care Medicine, Medical University of Vienna, Austria; ²Department of Anaesthesiology and Intensive Care Medicine, Klinik Im Park, Zurich, Switzerland; ³Centre for Medical Statistics, Informatics and Intelligent Systems, Medical University of Vienna, Austria
- 09:50 OP063 **N-acetylcysteine Versus Dopamine to Prevent Acute Kidney Injury After Cardiac Surgery In Patients with Pre-existing Moderate Renal Insufficiency**
Omer Faruk Savluk¹, Fusun Guzelmeric¹, Yasemin Yavuz¹, Halide Ogus¹, Tulay Orki¹, Canan Guler¹, Emre Gurcu¹, Atakan Erkilinc¹, Tuncer Kocak¹; ¹Kartal Kosuyolu High Education And Training Anesthesiology
- 10:00 **The prognostic impact of pre- and early postoperative elevation of creatinine in cardiac surgery**
M. Hiesmayr; *Medizinische Universität Wien*



THURSDAY, JUNE 25, 2015

08:30 - 10:30, Room F2/F3

602 CPB Panel

- 08:30** **Cardioplegia: past, present and future**
D.Chambers; *Kings College London*
- 09:00** **Organ protection during CPB**
G. Kunst; *Kings College London*
- 09:30** **OP067** **Xenon as adjuvant to propofol anaesthesia in patients undergoing off-pump coronary artery bypass surgery: a randomized prospective controlled trial**
Layth Al Tmimi¹, Bart Meyns², Marc Van de Velde¹, Paul Sergeant², Mark Coburn³, Steffen Rex³; ¹*KU Leuven University of Leuven, Department of Anaesthesiology Leuven, Belgium.* ²*KU Leuven - University of Leuven, Cardiac Surgery, Leuven, Belgium.* ³*University hospital of the RWTH Aachen, Department of Anaesthesiology, Aachen, Germany.*
- 09:40** **OP068** **No difference in release of troponin I between sevoflurane and propofol anaesthetic regimes in off- pump myocardial revascularization**
Nina Kosmač¹, Ivan Knežević², Gaj Vidmar³, Martin Virag⁴, Vladan Ristić⁵; ^{1,2}*University Medical Center Ljubljana, Slovenia,* ³*University Rehabilitation Institute, Ljubljana, Slovenia,* ⁴*University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia,* ⁵*University children's hospital Belgrade, Serbia*
- 09:50** **OP069** **Effects of Milrinone and Epinephrine or Dopamine on Biventricular Function and Haemodynamics in an animal model with Right Heart Failure after Pulmonary Regurgitation**
Janus Adler Hyldebrandt, MD, PH.D^{1,3}, Peter Agger MD^{2,3}, Eleonora Sivén MD¹, Kristian Wemmelund MD¹, Johan Heiberg MD², Christian Alcaraz Frederiksen MD PhD¹, Hanne Berg Ravn MD PhD DMSc¹; *Departments of ¹Anaesthesia and Intensive Care and ²Cardiothoracic and Vascular Surgery, ³Aarhus University Hospital, Aarhus, Denmark. Institute of Clinical Medicine, Aarhus University, Aarhus, Denmark.*
- 10:00** **The effect of cardiopulmonary bypass on the glycocalyx**
E. Pesonen; *Helsinki University Hospital*



THURSDAY, JUNE 25, 2015

08:30 - 10:30, Room G4

603 Panel on acute lung injury (ALI) in thoracic anaesthesia

- 08:30 **What are the mechanisms of ALI?**
G. della Rocca; *Azienda ospedaliero-universita Udine*
- 09:10 OP072 **Does timing of tracheostomy following cardiac surgery influence patient outcome? A retrospective analysis of a single centre's 10-year experience**
Amir Mokhtari, Vinay Rao, Ashok Cherian, David O'Regan, Pankaj Kaul, Binu Arthur; *Leeds General Infirmary*
- 09:20 OP073 **Effects of diclofenac premedication, as preventive analgesia on post thoracotomy pain and lung function test values**
Balázs Pálóczi, Ágota Kazup, Réka Nemes, Orsolya Farkas, Béla Fülesdi, Tamás Végh; *University of Debrecen*
- 09:30 OP074 **A systematic review of one - lung ventilation during thoracic surgery comparing the safety and efficacy of high and low tidal volumes**
Blair Wilson, Mikolaj Kotts, Julian Camilleri-Brennan, Olivia Morton, Mong Tung, Nandesh Patel, Sarah Mok, David Ryan, Peter Alston; *University of Edinburgh College of Medicine and Veterinary Medicine*
- 09:40 **Can ALI be prevented or treated?**
P. Slinger; *Department of Anaesthesia Toronto General Hospital*



THURSDAY, JUNE 25, 2015

09:00 - 13:00, Room F1

604 Postgraduate crash course in coagulation and transfusion in cardiac surgery

09:00	Introduction by course instructors, optional: pre-course examination
09:20	Pathophysiology of coagulation in cardiac surgery C. Boer; <i>VU University Medical Center Amsterdam</i>
09:40	Monitoring coagulation and platelet function during cardiac surgery M. Lancé; <i>Maastricht University Medical Centre MUMC+</i>
10:00	Pathophysiology and monitoring of coagulopathy in children with congenital heart defects B. Romlin
10:35	Anticoagulation during ECMO M. Ranucci
10:55	Risk factors and treatment of bleeding after cardiac surgery G. Erdoes
11:15	Goal directed haemostatic protocol for the bleeding cardiac surgery patient D. Bolliger
11:50	Update on the management of HIT II in cardiac surgery A. Koster
12:10	How to manage coagulation and thromboprophylaxis after cardiac surgery W. Dietrich
12:30	Management of anaemia and red blood cell transfusion in cardiac surgery C. von Heymann
12:50	Closing remarks, feedback, optional post course examination tba



THURSDAY, JUNE 25, 2015

08:30 - 18:30, Room G3

606 ECHO exam

10:30 - 11:00

Coffee break and Exhibition

11:00 - 12:00, Room F4/F5

701 Transfusion Panel

- | | |
|-------|--|
| 11:00 | The effect of blood transfusion on outcome from cardiac surgery
G. Murphy; <i>University of Leicester</i> |
| 11:30 | Blood transfusion in sepsis
L. Broksoe Holst; <i>Copenhagen University Hospital</i> |
-

11:00 - 12:00, Room F2/F3

702 Hypothermia panel

- | | |
|-------|--|
| 11:00 | Thermal management after cardiac arrest
N. Nielsen; <i>Helsingborg University Hospital</i> |
| 11:30 | Extra-corporeal membrane oxygenation and hypothermia after cardiopulmonary resuscitation
J. van der Linden; <i>Karolinka Institutet Stockholm</i> |
-

11:00 - 12:00, Room G4

703 Panel on postoperative lung function

- | | |
|-------|--|
| 11:00 | Transfusion related lung injury associated with cardiac surgery
N. Juffermans; <i>Academic Medical Center Amsterdam</i> |
| 11:30 | Prevention and treatment of atelectasis in cardiac surgery
A. Larsson; <i>Uppsala University</i> |



THURSDAY, JUNE 25, 2015

12:00 - 13:00, Room F4/F5

751 Best Oral Presentation

- 12:00 OP093 **Prevention and treatment of atelectasis in cardiac surgery**
Daniel Bolliger; *Department of Anaesthesiology, University Hospital Basel, Switzerland*
- 12:10 OP094 **Effects of the Introduction of a Cardiac Surgery Safety Checklist on 30 day Mortality and operative team culture: A Cohort Study**
Nierich; *Cardiac Anesthesiology*
- 12:20 OP095 **On-pump beating coronary artery bypass grafting in patients with left ventricular systolic dysfunction**
Vladimir Lomivorotov, Vladimir Boboshko, Dmitry Nikolaev, Vladimir Shmirev, Alexey Nesmachniy; *State Research Institute of Circulation Pathology*
- 12:30 OP096 **A large animal model of low cardiac output syndrome for studies of the gastrointestinal tract**
Jenny Seilitz¹, Tal M. Hörer¹, Per Skoog¹, Birger Axelsson¹, Kjell Jansson², Kristofer F. Nilsson¹; ¹*Department of Cardiothoracic and Vascular Surgery and* ²*Department of Surgery, Faculty of Medicine and Health, Örebro University*
- 12:40 OP097 **Assessment of lung injury and marginated leukocytes following perfusion and reconditioning using the Lung Organ Care System (OCS).**
Rosalba Romano^{1,2}, Kate Tatham¹, Kieran O'Dea¹, Padmini Sarathchandra³, Louit Thakuria^{2,3}, Anna Reed², Fabio De Robertis², Aron Popov², Mohamed Amrani², Toufan Bahrami², Andre Simon², Masao Takata¹, Nandor Marczin^{1,2}; ¹*Anaesthetics, Pain Medicine and Intensive Care, Imperial College London, London, United Kingdom* ²*Royal Brompton and Harefield NHS Foundation Trust, Harefield, United Kingdom* ³*National Heart and Lung Institute, Imperial College London, London, United Kingdom*
- 12:50 OP098 **Renal perfusion, filtration and oxygenation during cardiopulmonary bypass (CPB) – a clinical study**
Lukas Lannemyr, Gudrun Bragadottir, Bengt Redfors, Sven-Erik Ricksten; *Department of Cardiothoracic Anaesthesia and Intensive Care, Sahlgrenska University Hospital, Gothenburg, Sweden.*

13:00 - 14:00

EACTA General Assembly & Lunch

**THURSDAY, JUNE 25, 2015****14:00 - 16:00, Room F4/F5****801 ICU panel I Goal directed therapy**

- 14:00 **Risks and benefits of systemic arterial pressure directed goals**
M. Sander; *Charité Berlin*
- 14:30 **Risks and benefits of cardiac output directed goals**
C. Hofer; *Stadtspital Trimli Zürich*
- 15:00 OP101 **Mortality following cardiac surgery in patients above 80 years**
Hanna-Jumma, Lau, Darbar; *University Hospitals of Leicester NHS Trust*
- 15:10 OP102 **Renal outcome of goal-directed haemodynamic therapy varies with the applied haemodynamic monitoring in the high risk surgical patient**
Koen Lapage, Piet Wyffels, Stefan De Hert, Patrick Wouters;
Universitary Hospital Ghent
- 15:20 OP103 **Inadequate recording in perioperative transoesophageal views highlights the need for a standard approach in documentation of the views: a newly proposed format**
Syed Altaf Bukhari¹, H Saad, K Batool, D Pathak, A Vohra²; ¹King Fahad Medical City Riyadh Saudi Arabia, ²Manchester Heart Centre UK
- 15:30 **All I need is an ECHO probe**
I. Michaux; *Université catholique de Louvain*

14:00 - 16:00, Room F2/F3**802 EACTA/ESTS Panel**

- 14:00 **Estimation of surgical risk in the patient candidate for thoracic surgery**
A. Brunelli; *St. James University Hospital Leeds*
- 14:30 **Challenges managing patients on ECMO awaiting lung transplantation: the surgeon's view**
P. Falcoz; *University of Strasbourg*
- 15:00 OP107 **Readmission costs related to cardiac surgery. Aanalysis of Risk Factors and Costs within six months after discharge using an administrative registry**
Andrea Rossi Zadra¹ and Enza Caruso²; ¹AO Citta della Salute e della Scienza di Torino, Italy, ²Università di Perugia and Capp, Modena, Italy
- 15:10 OP108 **Perioperative glucose control during on-pump elective coronary artery bypass graft in type 2 diabetes mellitus patients**
L.Kuznetsova, A.Yavorovskiy, N. Petunina; *Russian National Centre of Surgery named after B.V.Petrovsky*
- 15:20 OP109 **The sedative effect of remimazolam in general Anaesthesia for cardiac surgery measured by Narcotrend**
Carmine Bevilacqua¹, Stefan Probst¹, Mariola Soehngen², Jörg Ender¹; ¹Department of Anesthesiology, Heart Center Leipzig, Germany, ²PAION Deutschland GmbH
- 15:30 **Challenges in management of ECMO patients submitted to lung transplantation – the anaesthetists view**
V. Dossow; *Medizinische Universität München*



THURSDAY, JUNE 25, 2015

14:00 - 16:00, Room G4

803 Vascular Panel

- 14:00 **Reduction of perioperative myocardial ischaemia in vascular surgery –inhaled vs. intravenous anaesthesia**
M. Seeberger; *University of Basel*
- 14:30 **Anaesthesia for endovascular surgery**
S. Howell; *University of Leeds*
- 15:00 OP113 **Malnutrition Assessed by Phase Angle: Relation with Outcomes after Cardiac Surgery**
D. Ringaitiene^{1,2}, D. Gineityte², J. Sipylaite^{1,2}, V. Vicka²; ¹Vilnius University Clinic of Anaesthesiology and Intensive Care, Dept of Anaesthesiology & Intensive Care, Vilnius, Lithuania, ²Vilnius University, Faculty of Medicine, Vilnius, Lithuania
- 15:10 OP114 **Enhanced recovery after surgery program in elective subrenal abdominal aortic aneurism repair: a single centre experience**
Laura Pasin¹, Pasquale Nardelli¹, Daniela Febres¹, Alessandro Belletti¹, Omar Saleh¹, Mattia Bellandi¹, Martina Baiardo Redaelli¹, Gianluca Paternoster², Giovanni Landoni^{1,3}, Alberto Zangrillo^{1,3}; ¹Department of Anaesthesia and Intensive Care, IRCCS San Raffaele Scientific Institute, Milan, Italy, ²Department of Cardiovascular Anaesthesia and Intensive Care, San Carlo Hospital, Potenza, Italy, ³Vita-Salute San Raffaele University, Milan, Italy
- 15:20 OP115 **The Effect of Desflurane and Propofol Protocols on Preconditioning in Coronary Artery Bypass Graft Surgery**
Didem Onk¹, Fatih Ozcelik², Ufuk Kuyrukluylidiz¹, Murat Günay¹, Oruç Alper Onk¹, Tülin Akarsu Ayazoğlu³, Abdulkadir Çoban¹, Aysin Alagöl¹; ¹University Erzincan, ²Erzincan Military Hospital, ³Göztepe Training and Research Hospital
- 15:30 **Anaesthesia for carotid endarterectomy**
M. Stoneham; *Oxford University Hospital*

14:00 - 16:00, Room F1

804 Thoracic Workshop

- 14:00 **Double-lumen tubes** (L. Szegedi / K. Kirnö)
Endobronchial blockers (E. Cohen)
Epidural and paravertebral thoracic blocks (M. Senturk / P. Nellgård)
- Station 1. Left-sided double lumen tubes (M. Granell, J. Bence)
Station 2. Right-sided double lumen tubes (G. Della Rocca, M.C. Unzueta)
Station 3. Cook Cohen endobronchial blockers (L. Szegedi, M. Drnovsek Globokar)
Station 4. Cook Arndt endobronchial blockers (M.J. Licker, M. El Tahan)
Station 5. EZ blockers (K. Kirno, T. Vegh)
Station 6. Univent, Fuji blockers (P. Nellgard, M. Senturk)
Station 7. Viva Sight tubes (L. Szegedi, R. Stoica)
Station 8. Thoracic epidural & paravertebral blocks (M.J. Jimenez, M. Granell, M. Senturk)



THURSDAY, JUNE 25, 2015

16:00 - 16:30

Coffee break and Exhibition

16:30 - 18:30, Room F4/F5

901 Meet the Experts - Management of difficult LVAD - everything you want to know about anaesthesia, surgery and intensive care

- | | |
|-------|---|
| 16:30 | Sequential application of mechanical support in heart failure
<i>R.Mosca; University Hospital of South Manchester</i> |
| 16:54 | Contemporary surgical issues for heart failure surgery and VADs
<i>S.Schueler; Freeman Hospital, Newcastle, UK</i> |
| 17:18 | Prediction, diagnosis and therapy of right ventricular failure during LVAD implantation
<i>M.Kukucka; German Heart Institute Berlin</i> |
| 17:42 | Preoptimisation for LVAD implantation
<i>S.Ahmed; Freeman Hospital, Newcastle, UK</i> |
| 18:06 | Vasoplegia during LVAD implantation
<i>E. de Waal; UMC Utrecht</i> |

16:30 - 18:30, Room F2/F3

902 Hands On-Course Point of Care Coagulation

- | | |
|-------|--|
| 16:30 | Hands On-Course Point of Care Coagulation |
| 16:45 | ROTEM
<i>D. Bolliger</i> |
| 17:00 | TEG
<i>M. Ranucci</i> |
| 17:15 | Multiplate
<i>M. Lancé</i> |
| 17:30 | SonoClot
<i>tba</i> |
| 17:45 | Verify Now
<i>D. Faraoni</i> |
| 18:00 | HepCon
<i>G. Erdoes</i> |
| 18:15 | PFA-100
<i>tba</i> |



THURSDAY, JUNE 25, 2015

16:30 - 18:30, Room G4

903 Meet the Experts - Management of difficult lung transplantation: everything you want to know on anaesthesia, surgery and intensive care

- 16:30 **Minimally invasive lung transplantation: how do I do it and is it for all patients?**
A. Simon; *Royal Brompton & Harefield NHS Trust*
- 17:00 **Management of critical pulmonary hypertension**
S. Senz, U. Molotiros; *Hannover Medical School*
- 17:30 **Protective lung ventilation strategies: for donors and recipients?**
F. Valenza; *Ospedale Maggiore Policlinico, Milan*
- 18:00 **Contemporary management of severe primary graft dysfunction**
L. Algotsson; *Skane University Hospital*

16:30 - 17:30, Room F1

904 Thoracic Workshop continued

- 16:30 **Double-lumen tubes** (L. Szegedi / K. Kirnő)
Endobronchial blockers (E. Cohen)
Epidural and paravertebral thoracic blocks (M. Senturk / P. Nellgård)
- Station 1. Left-sided double lumen tubes (M. Granell, J. Bence)
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Station 7. Viva Sight tubes (L. Szegedi, R. Stoica)
Station 8. Thoracic epidural & paravertebral blocks (M.J. Jimenez, M. Granell, M. Senturk)

19.00

Dinner

**FRIDAY, JUNE 26, 2015****08:30 - 10:30, Room F4/F5****1001 Panel on right ventricular physiology, pathophysiology and treatment**

- 08:30** **Right ventricular physiology and pathophysiology**
A. Reddington; *Cincinatti*
- 09:00** **Echocardiographic imaging of the right heart**
M. Seeberger; *University of Basel*
- 09:30** **OP130** **Effect of Levosimendan on diastolic function in patients undergoing coronary artery bypass grafting - a comparative study**
Vishwas Malik, Arun Subramanian; *All India Institute of Medical Sciences*
- 09:40** **OP131** **Effects of Milrinone and Epinephrine or Dopamine on Biventricular Function and Haemodynamics in an Animal Model with Right Ventricular Failure after Pulmonary Artery Banding.**
Janus Adler Hyldebrandt, MD^{1,3}, Eleonora Sivén MD^{1,4}, Peter Agger MD^{2,3}, Christian Alcaraz Frederiksen MD PhD¹, Johan Heiberg MD², Kristian Wemmelund MD¹, Hanne Berg Ravn MD PhD DMSc¹; *Departments of Anaesthesia and Intensive Care¹, Cardiothoracic and Vascular Surgery², Aarhus University Hospital, Aarhus, Denmark. Institute of Clinical Medicine, Aarhus University, Aarhus, Denmark³. Department of Biomedicine, Aarhus University, Denmark⁴.*
- 09:50** **OP132** **A Retrospective Comparison of Aerosolized Milrinone and Aerosolized Iloprost in the Setting of Post Bypass Pulmonary Hypertension**
Theofani Antoniou¹, Christina Antzaka¹, Panagiota Rellia¹, Apostolos Thanopoulos¹, Kassiani Theodoraki²; *¹Onassis Cardiac Surgery Center, Athens, Greece, ²Aretaieion University Hospital, Athens, Greece*
- 10:00** **Treatment of pulmonary artery hypertension and right ventricular failure**
D. Greenhalgh; *WYTHENSHAW HOSPITAL*



FRIDAY, JUNE 26, 2015

08:30 - 10:30, Room F2/F3

1002 EACTA/SCA panel

- 08:30 **Strategies for blood conservation in cardiac surgery**
L. Shore Lesserson; *LIJ Medical School*
- 09:00 **Management of heparin resistance during cardiopulmonary bypass**
A. Finley; *Medical university of South Carolina*
- 09:30 OP136 **Reoperation due to bleeding is not associated with severe postoperative complications. Timing might be essential?**
Sandeep Tambe, Jacob Greisen, Linda Aagaard Rasmussen, Carl-Johan Jakobsen; *Aarhus University Hospital, Aarhus, Denmark*
- 09:40 OP137 **Does topical tranexamic acid reduce the postoperative bleeding in patients undergoing primary valve replacement surgery?**
Kanagarajan Natarajan¹, Nimisha Mariam Eapen², Gomathy Jeeva³, Benjamin Ninan⁴; *Institute of Cardiovascular Diseases, Madras Medical Mission Hospital*
- 09:50 OP138 **Influence of red blood cell transfusion on SvcO₂ after cardiovascular surgery**
Norddine Zeroual, Gianluca Samarani, Jules Galais, Marine Saour, Marc Mourad, Géraldine Culas, Remy Coves, Jacob Eliet, Philippe Gaudard, Pascal Colson; *DAR ADV, CHRU Montpellier, France*
- 10:00 **Ideal use of Factor VIIa in perioperative bleeding**
R. Gill; *Southhampton*

08:30 - 10:30, Room G3

1003 Intensive care panel II Haemodynamic management

- 08:30 **Therapeutic use of ventriculo-arterial coupling relationship**
F. Guarracino; *AZIENDA OSPEDALIERA UNIVERSITA*
- 09:00 **Mechanical circulatory support for severe heart failure**
P. Colson; *Montpellier*
- 09:30 OP142 **Support with intra-aortic balloon pump vs. Impella2.5® and organ blood flow – an experimental closed-chest porcine model of ischaemic heart failure**
Ole K. Møller-Helgestad¹, Christian B. Poulsen², Evald H. Christiansen², Jens F. Lassen³, Hanne B. Ravn⁴; ¹Department of anaesthesiology and intensive care Aarhus University, ²Department of cardiology Aarhus University, ³Department of cardiology University of Copenhagen, ⁴Department of Cardiothoracic anaesthesiology University of Copenhagen.
- 09:40 OP143 **Assessment of intraoperative Trans Oesophageal image quality and adherence to British Society of Echocardiography guidelines**
Anand Jain¹, Giampaolo Martinelli², Andrzej Zmuda², Maria Rita Lombrano²; ¹Manchester Royal Infirmary, UK, ²New Cross Hospital, Woverhampton, UK
- 09:50 OP144 **Incidence of Intracranial haemorrhage in patients undergoing VV-ECMO; retrospective single centre review**
Bramley K, Barnes A, Ashworth A, Fedor I, Stirling S, Barker J, Malagon I; *University Hospital South Manchester*
- 10:00 **Beta-adrenergic blockers or positive inotropes for severe sepsis?**
A. Morelli; *Rome*



FRIDAY, JUNE 26, 2015

08:30 - 17:10, Room F1

1004 Trainee Course

- | | |
|-------|---|
| 08:30 | Assessment of the patient for thoracic surgery
G. della Rocca; Azienda ospedaliero-Universita Udine |
| 09:10 | Anaesthesia for peripheral vascular surgery
S. Howell; University of Leeds |
| 09:50 | Perioperative mechanical support of the circulation
F. Guarracino; University of Pisa |
| 10:30 | Coffee Break |
| 10:50 | Current techniques of cardiopulmonary bypass
G. Kunst; Kings College London |
| 11:30 | Pharmacology for cardiothoracic anaesthesia
R. Gill; South Hampton |
| 12:10 | Cardiac arrhythmias and their management
J. Erb; Heart Center Leipzig University |
| 12:50 | Lunch Break |
| 13:30 | Quality assessment in cardiac anaesthesia
P. Rosseel; Department of Anesthesiology, Amphia Hospital, Breda, the Netherlands |
| 14:10 | Critical care following heart surgery
M. Crivellari; IRCCS San Raffaele Scientific Institute |
| 14:50 | Weaning from cardiopulmonary bypass
A. Flo-Förner; Heart Center Leipzig University |
| 15:30 | Coffee Break |
| 15:50 | Adverse effects of one-lung mechanical ventilation
V. von Dossow; Medizinische Universität München |
| 16:30 | Anaesthetic management of abdominal aortic surgery
H. El-Ashmawi; Cairo University |

10:30 - 11:00

Coffee break and Exhibition



FRIDAY, JUNE 26, 2015

11:00 - 13:00, Room F4/F5

1101 Pro/con panel on colloid solutions for volume replacement in cardiac surgery

- 11:00 Colloid solutions should be used
Ph. Van der Linden; *Brussels*
- 11:30 OP159 Effects of colloids and crystalloids on extravascular lung water content in cardiac surgery patients: randomized controlled equivalence trial
Evgeny Fominskiy, Vladimir Lomivorotov, Gleb Moroz; *Academician EN Meshalkin Novosibirsk Research Institute of Circulation Pathology*
- 11:40 OP160 Modern hydroxyethyl starch and Acute Kidney Injury after cardiac surgery: a prospective multicenter cohort
M. Vives¹, R. Callejas², P. Duque², G. Echarri², A. Hernandez³, A. Sabate¹, M. Bes², P. Monedero² on behalf of the „Grupo Espanol de Disfuncion Renal tras Cirugia Cardiaca“ (GEDRCC²); ¹Hospital Universitari Bellvitge, University of Barcelona, ²Clinica Universidad de Navarra, University of Navarra, ³University Hospital of South Manchester NHS Trust
- 11:50 OP161 Prophylaxis of postoperative nausea and vomiting (PONV) in fast-track cardiac anaesthesia
Elham Hasheminejad; *University of Leipzig*
- 12:00 OP162 The effects of hydroxyethyl starch (130/0.4) as the priming solution on microcirculation in coronary bypass grafting (CABG) surgery
Banu Kılıçaslan¹, Bilge Çelebioğlu¹, Hemra Çil¹, Meral Kanbak¹, Can İnçe²; *Hacettepe University, Faculty of Medicine, Dept. of Anesthesiology and Reanimation¹, Academic Medical Center (AMC) of the University of Amsterdam and Department of Translational Physiology, Department of Intensive Care, Erasmus Medical Center Rotterdam²*
- 12:10 OP163 Effects of colloid solutions on kidney integrity in cardiac surgery patients: a post-hoc analysis of a randomized study
Evgeny Fominskiy, Vladimir Lomivorotov, Gleb Moroz; *Academician EN Meshalkin Novosibirsk Research Institute of Circulation Pathology*
- 12:20 OP164 Predicting Renal Failure in a Single Cardiac Centre.
C. Hamilton¹, L. Feddy¹, S. White¹, L. Feddy¹, D. Greenhalgh¹, I. Malagon¹. Statistics by S Whiteside, MSc¹; *University Hospital of South Manchester, Wythenshawe UK.*
- 12:30 Should not be used
K. Reinhart;

11:00 - 13:00, Room F2/F3

1102 Haemostasis panel II: Pro-Con Debates

- 11:00 Fibrinogen should be used in cardiac surgery - yes
A. Jeppsson; *Sahlgrenska University Hospital*
- 11:30 Fibrinogen should not be used in cardiac surgery - no
W. Dietrich; *München*
- 12:00 Aprotinin should be used in cardiac surgery - yes
J. Levy; *Duke University School of Medicine*
- 12:30 Aprotinin should not be used in cardiac surgery - no
A. Koster; *Bad Oeynhausen*

**FRIDAY, JUNE 26, 2015****11:00 - 12:00, Room G3****1103 Best Poster Presentation**

- 11:00** **Experimental Ex Vivo Lung Perfusion with Sevoflurane: Effect on donors after circulatory death (DCD) lung grafts in a rodent model.**
Xingyu Wang¹, Cyril Francioli¹, Roumen Parapanov², Carlo Marcucci³, Christian Kern³, Jean Yannis Perentes¹, Michel Gonzalez¹, Lucas Liaudet², Thorsten Krueger¹ and Fabrizio Gronchi³; *From ¹the Department of Thoracic and Vascular Surgery, ²the Department of Intensive Care Medicine, and ³the Department of Anesthesiology*
- 11:10** **The chronic vs acute effects of atenolol on intestinal ischemia and reperfusion injury in atherosclerotic rats**
Tulun Ozturk¹, Kamil Vural², Ibrahim Tuğlular³, Ahmet Var⁴, Taner Kurdal⁵, Işıl Aydemir³, Omer Erdoğan²; *¹Anesthesiology and Reanimation, ²Pharmacology, ³Histology, Biochemistry and ⁴Cardiovascular Surgery Celal Bayar University Faculty of Medicine*
- 11:20** **Risk factors for ICU delirium after cardiac surgery**
Gabor Zilahi, Orsolya Miskolci, Martin Lenihan, Aogan O Muircheartaigh, Wahid Altaf, Fauzi Othman, Brian Marsh, Roisin Ni Mhuircheartaigh; *Mater Misericordiae University Hospital*
- 11:30** **Postoperative delirium following cardiac surgery: an analysis of incidence, risk factors and outcome**
Judita Andrejaitiene^{1,2}, Edmundas Sirvinskas^{1,2}; *¹Institute of Cardiology at the Lithuanian University of Health Sciences, ²Department of Cardiac, Thoracic and Vascular Surgery of Hospital of Lithuanian University of Health Sciences Kauno klinikos Kaunas, Lithuania*
- 11:40** **Effects of sevoflurane vs. propofol on mitochondrial functional activity after ischemia-reperfusion injury in patients undergoing CABG surgery with cardiopulmonary bypass**
Aida Kinderyte¹, Edmundas Sirvinskas^{2,3}, Andrius Macas¹, Liuda Brogiene¹, Vilmante Borutaite⁴; *¹The Department of Anesthesiology, Hospital of Lithuanian University of Health Sciences, Kaunas, Lithuania, ²The Department of Cardiac, Thoracic and Vascular Surgery, Hospital of Lithuanian University of Health Sciences, Kaunas, Lithuania, ³Institute of Cardiology, Lithuanian University of Health Sciences, Kaunas, Lithuania, ⁴Biochemical Laboratory of the Institute of Neurosciences, Lithuanian University of Health Sciences, Kaunas, Lithuania*
- 11:50** **Are colloids associated with mortality and increased risk of acute kidney injury in patients undergoing elective abdominal aortic aneurysm repair?**
Dominik G. Haider¹, Martin Bernardi², Michael Hagmann³, Michael J. Hiesmayr², Andrea Lassnigg²; *¹Department of Nephrology, Internal Medicine ³, Medical University of Vienna; ²Dept. of Cardiothoracic and Vascular Anaesthesia and Intensive Care, Medical University of Vienna; ³Institute of Medical Statistics, Medical University of Vienna*



FRIDAY, JUNE 26, 2015

13:00 - 14:00

Lunch Symposia

13:00 - 14:00, Poster Exhibition Area

PS4 Poster Session 4

- | | | |
|-------|-----|--|
| 13:00 | P19 | Postextubation stridor in neonates and children undergoing cardiac surgery: Two year of institutional experience
<i>Aynur Camkiran Firat; From the Departments of Anesthesiology Baskent University Faculty of Medicine, Ankara, Turkey</i> |
| 13:08 | P20 | Effect of prolonged aortic cross-clamping time on the incidence of acute kidney injury after cardiac surgery.
<i>Philippe Dewolf¹, Kim Engelen¹, Frank Jans¹, Willem Boer¹, Pascal Vanelderen¹, Margot Vander Laenen¹, Herbert Gutermann²; ¹Department of Intensive Care Medicine, Ziekenhuis Oost-Limburg, Genk, Belgium, ²Department of Cardiac Surgery, Ziekenhuis Oost-Limburg, Genk, Belgium</i> |
| 13:16 | P21 | Can we predict Acute Kidney Injury (AKI) following Coronary Artery Bypass Surgery (CABG)?
<i>O.Jansoniene, A.Karmali, I.McGovern, C.Walker and L.Kuppurao; Harefield Hospital, Royal Brompton & Harefield NHS Foundation Trust, London.</i> |
| 13:24 | P22 | Association of the portoperative trend of B-Type natriuretic peptide (BNP) values and cardiac morbidity and mortality
<i>Eckhard Mauermann¹, Daniel Bolliger¹, Manfred Seeberger², Esther Seeberger¹, Miodrag Filipovic³, Giovanna Lurati Buse¹; ¹Basel University Hospital, Basel, Switzerland; ²Hirslanden Clinic, Zurich, Switzerland; ³St. Gallen Cantonal Hospital, St. Gallen, Switzerland</i> |
| 13:32 | P23 | Changes in the psychosocial status after cardiac surgery in a 10-years follow-up study
<i>Enikő Holndonner-Kirst^{1,3}, Lili Varga², Daniel Lex³, János Gál¹, Andrea Szekely¹; ¹Semmelweis University, Department of Anaesthesiology and Intensive Therapy, ²Semmelweis University, Faculty of Medicine, ³Semmelweis University, School of PhD Studies</i> |
| 13:40 | P24 | The influence of Dexmedetomidine on the quantity of postoperative cognitive disorders after cardiac surgery.
<i>Piotr Jakubow; Cardiosurgery Department</i> |
| 13:48 | P25 | Leipzig-Basel experiences with EACTA Fellowship program
<i>Protsyk V¹, Fassl J², Maurer M², Ender J¹; ¹Department of Anaesthesiology and Intensive Care Medicine, Heartcentre, University Leipzig, Germany, ²Department of Anaesthesiology and Intensive Care Medicine, University Hospital Basel, Switzerland</i> |

**FRIDAY, JUNE 26, 2015****13:00 - 14:00, Poster Exhibition Area****PS5 Poster Session 5**

- 13:00 P26 Oxygen balance and systemic inflammation after cardio-pulmonary bypass in elderly patients with different intensive care duration**
Lev Krichevskiy², Eugeni Baliner¹, Alexandr Urbanov¹, Alla Laptiy¹, Nikolay Semenychev¹; ¹Filatov Hospital #15, ²Negovskiy Research Institution of the General Reanimathology
- 13:08 P27 Pulmonary and Labor isolation in a patient with aspercilloma within a tuberculous cavity**
Granell M^{1,3}, Arnau A^{2,3}, García del Olmo E², González L¹, Guijarro R^{2,3}, de Andrés JA^{1,3}; ¹Anesthesiology, Critical Care and Pain Relief Department, ²Thoracic Surgery Department (University General Hospital of Valencia), ³University of Valencia, Spain (Medicine, Surgery Department, Anesthesiology).
- 13:16 P28 Comparison of Crystalloid and Colloid solutions on extravascular lung water and lung resection**
Zerrin Sungur; Istanbul University
- 13:24 P29 Effects of Thoracic epidural analgesia on Cytokine response for onle lung Anaesthesia**
Zerrin Sungur; Istanbul University
- 13:32 P30 Effects of the non-dependent high-frequency jet ventilation on quality of operative field and oxygenation during one-lung ventilation for video-assisted thoracoscopic surgery**
Fatma Nur Kaya, Serkan Terkanlioglu, Elif Basagan-Mogol; Uludag University
- 13:40 P31 Carotid endarterectomy in octogenarians: a 5-years single centre experience**
Laura Pasin¹, Pasquale Nardelli¹, Daniela Febres¹, Alessandro Belletti¹, Omar Saleh¹, Mattia Bellandi¹, Livia Manfredini¹, Gianluca Paternoster², Giovanni Landoni^{1,3}, Alberto Zangrillo^{1,3}; ¹Department of Anaesthesia and Intensive Care, IRCCS San Raffaele Scientific Institute, Milan, Italy, ²Department of Cardiovascular Anaesthesia and Intensive Care, San Carlo Hospital, Potenza, Italy, ³Vita-Salute San Raffaele University, Milan, Italy
- 13:48 P32 Comparison of two methodologies; ultrason guided perivascular regional anaesthisia of the internal carotid artery and depp cervical plexus block of carotid surgery**
Aynur Camkiran Firat; From the Departments of Anesthesiology Baskent University Faculty of Medicine, Ankara, Turkey



FRIDAY, JUNE 26, 2015

13:00 - 14:00, Poster Exhibition Area

PS6 Poster Session 6

- 13:00 P33 **Implications of transoesophageal echocardiography in decision making during cardiac surgery**
Muharrem Kocyigit, Sahin Senay, Ozgen Ilgas Kocyigit, Ahmet Umit Gullu, Elif Akpek, Cem Alhan; *Acibadem University Istanbul*
- 13:08 P34 **Intraoperative intracardiac echocardiography (ICE) during CABG surgery – A case report**
Sascha Treskatsch¹, Torsten Geyer¹, Herko Grubitzsch², Pascal Dohmen², Michael Sander¹; ¹Charité - Universitätsmedizin Berlin, Department of Anesthesiology and Intensive Care Medicine; ²Charité - Universitätsmedizin, Department of Cardiovascular Surgery
- 13:16 P35 **The effects of epicardial high-intensity focused ultrasound and conventional cryoablation for MAZE procedures on the postoperative time course of high sensitive troponin t.**
Matthias Heringlake¹, Johann Bremer¹, Astrid Berggreen¹, Efstratios Charitos², Thorsten Hanke², Hauke Paarmann¹; ¹Departments of Anesthesiology and Thoracic Vascular and Cardiac Surgery, ²University of Luebeck, Luebeck, Germany
- 13:24 P36 **Evidence of staphylococcal exposure following angiography being responsible for increased anti-staphylococcal antibodies in cardiac surgical patients**
Sarka Moravcova¹, Bonnie Kyle², Thomas Treibel², Andrew Smith², Patricia Colques-Navarro³, Roland Molby³, Colin Hamilton-Davies²; ¹Royal Brompton & Harefield NHS Trust, London, UK, ²UCL Hospitals, London, UK, ³Karolinska Institute, Stockholm, Sweden
- 13:32 P37 **Trace elements and antioxidant response on cardiopulmonary bypass system**
T. Tuncer Peker, M. Tulunay; *Ankara University Medical Faculty*
- 13:40 P38 **Neuropsychological disorders after cardiac surgery with CPB: what harms more?**
Yergali Miyerbekov¹, Tleuberdi Kuandykov², Vladimir Mutagirov²; ¹National Scientific Centre of Surgery, ²City Clinical Hospital №7
- 13:48 P39 **Analysis of postoperative pulmonary complications after 120 patients lung resection**
M. Granell^{1,3}, M. Conrado¹, A. Arnau^{2,3}, E. García del Olmo², R. Guijarro^{2,3}, JA. de Andrés^{1,3}; ¹Anesthesiology, Critical Care and Pain Relief Department. ²Thoracic Surgery Department (University General Hospital of Valencia)³. University of Valencia, Spain (Medicine. Surgery Department. Anesthesiology).



FRIDAY, JUNE 26, 2015

14:00 - 14:45, Room F4/F5

1201 Plenary lecture

14:00

Protamine, is something fishy about? reversing old and new anticoagulants

J. Levy; *Duke University School of Medicine*

14:45 - 15:30, Room F4/F5

1301 Plenary lecture

14:45

Prophylactic steroids for prevention of postoperative organ dysfunction

D. van Dijk; *University Medical Center Anaesthesiologist intensivist*

15:30 - 15:45, Room F4/F5

1401 Price Awards

15:45 - 16:00, Room F4/F5

Closing Ceremony



INDUSTRY-SPONSORED SYMPOSIA

Wednesday, June 24, 13:00 - 14:00

MAQUET Lunch Symposium

**Ventilation in cardio-thoracic anesthesia:
challenges and solutions**

- | | |
|-------|---|
| 13:00 | Lung protection during one lung ventilation
M. Senturk; <i>Istanbul</i> |
| 13:20 | New monitoring tools to optimize ventilatory settings in thoracic surgery
C. Ferrando; <i>Valencia</i> |
| 13:20 | Experiences with FLOW-i in the cardiothoracic OR
Per Nellgård; <i>Gothenburg</i> |