Final Programme

Gothenburg, Sweden / June 24–26, 2015

Organ dysfunction in cardiothoracic and vascular anaesthesia and critical care

www.eacta.org
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 postoperative morbidity scoring
Hafsah 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 ring
Kuniko 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 Trasoesophageal (TOE) Echocardiography
Anna 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 tests
Caetano 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\(^\d\)\(^\d\), Rosalba Romano\(^\d\)\(^\d\), Georgiana Baca\(^\d\), Andreas Fischer\(^\d\), Andre Simon\(^\d\), Nandor Marczin\(^\d\)\(^\d\); Royal Brompton and Harefield NHS Foundation Trust, Harefield, United Kingdom\(^\d\), Campus Bio-Medico University, Rome, Italy\(^\d\), Anaesthetics, Imperial College London, London, United Kingdom\(^\d\), 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
09:15 - 10:00, Room G4

**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 Treibel3, Andrew Smith4, Patricia Colques-Navarro1, Roland Molby1, Colin Hamilton-Davies5;1 Royal Brompton & Harefield NHS Trust, London, UK, 2UCL Hospitals, London, UK, 3Karolinska 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 García, Alejandro Vazquez, Eva Mateo, Carlos Errando, Sergio Cánovas;1 La Fe University Hospital Valencia, 2Hospital Politecnico La Fe, 3Hospital 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 Lehmkuhl3, Matthias Gutberlet2, Chirotj Mukherjee2, Joerg Seeburger3, Joerg Ender1;1 Department of Anesthesiology, Heart Center Leipzig, Germany, 2Department of Radiology, Heart Center Leipzig, Germany, 3Department 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; Universitätsklinik Basel

11:30   Unidentified aortic stenosis and mitral regurgitation - when to intervene
        F. Guarracino; Azienda Ospedaliera Universita

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
### 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 Baschiani; 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 Tmimi, Koen Poesen, Jan Van Hemelrijck, Marc Van de Velde, Paul Sergeant, Bart Meyns, Steffen Rex; KU Leuven - University of Leuven, Department of Anaesthesiology, Leuven, Belgium.  
KU Leuven - University of Leuven, Department of Laboratory Medicine, Leuven, Belgium.  
KU 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 Santos, Clara Luis, Marisa Goncalo, Fernando Abelha, Joao Viterbo;  
Centro Hospitalar de Sao Joao; Centro Hospitalar de Tras-os-Montes e Alto Douro

**12:30**  
**Neuroinflammation postoperative dysfunction and delirium**  
D. van Dijk; University medical center Anaesthesiologist intensivist

### 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 MBA, Helmut Habazettl MD PhD, Marian Kukucka MD PhD;  
Department of Anesthesiology, German Heart Institute Berlin, Institute of Physiology, Charité Berlin

**12:20**  
**OP028 Thromboelastometry detects impaired platelet aggregation during but not after paediatric cardiac surgery**  
Birgitta Romlin, Fredrik Soderlund, Anders Jeppsson; Department of Paediatric Anaesthesia and Intensive Care, Sahlgrenska University Hospital

**12:30**  
**Paediatric extra-corporeal membrane oxygenation**  
C. Westrope; University Hospitals Of Leicester
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 Collier3, Adam Baddeley3, Marco Scarci4, Aman Coonar1, 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

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 Żelechowski1, Maciej Brzeziński1, 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 Geneve

13:00 - 14:00 Lunch Symposia
for details please refer to page 31
13:00 - 14:00, Poster Exhibition Area

PS1 Poster Session 1

13:00  P01 Individualized protamine dosing based on a computerized pharmacokinetic model
M.1 Meesters1, D. Veerhoek2, J.R de Jong3, G Kuiper4, C. Boer5; 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. Pirossi2, Andrea Fülöp3, Enikő Holndonner-Kirst4, György
Róth1, Erzsébet Sápi5, János Gál6, Andrea Székely7; 1Semmelweis University, School of
Doctoral Studies, 2Szent István University, 3Hungarian National Meteorological Survey,
4Gottsegen Hungarian Institute of Cardiology, 5Semmelweis 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.
Maastricht University Medical Centre, department of Anesthesiology
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 G, Zeroual N, Villard J, Ruiz R, Gourcerol F, Colson P; Department of Anesthesia and Intensive Care D, CHRU Montpellier, France

13:20  P09  Does Off Pump Coronary Artery Bypass (OPCAB) surgery reduces transfusion requirements?

13:30  P10  Validation of viscoelastic coagulation tests with TEG and ROTEM during cardiopulmonary bypass
Erik Ortmann1, Antonio Rubino1, Balsam Altemimi1, Timothy Collier1, Martin W. Besser2, Andrew A. Klein3; 1Papworth Hospital, Cambridge, UK; 2London School of Hygiene and Tropical Medicine, London, UK; 3Addenbrooke's Hospital, Cambridge, UK

13:40  P11  Impact of dabigatran, rivaroxaban, apixaban and edoxaban on activated clotting time: an in vitro study
Anne-Sohie Dincq1, Jonathan Douxfils2, Maximilien Gourdin1, Jean-Michel Dogné1, Bernard Chatelain1, François Mullier2; 1Catholic University of Louvain, 2University of Namur

13:50  P12  Tracheostomy practice in cardiothoracic intensive care
Orinta Jansoniene, John Jones, Theodoros Tsoutsouras, Donna Hall; Harefield Hospital
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 Victoria 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 Bosshart2; 1Klinik Im Park, Department of Anaesthesiology and Intensive Care Medicine, Zurich, 2University Hospital Zurich, Institute of Anaesthesiology, Zurich, 3Klinik Hirslanden Zurich, Institute 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 Vuran1, Eylem Tuncer4, Aybala Tongut1, Ali Can Hatemi1, Aysu Turkmen1, Naci Öner1, Ayşe Yıldırım1, Metin Sungur1, Sinem Altınyuvausta1, 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 Lucchini, Alberto Castella, Fabrizio Monaco, Giovanni Landoni, Alberto Zangrillo; IRCCS San Raffaele Scientific Institute, Milan, Italy
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 Romano1, Kate Tatham1, Kieran O’Dea1, Padmini Sarathchandra1, Louit Thakuria1, Anna Reed1, Fabio De Robertis2, Aron Popov3, Mohamed Amrani3, Toufan Bahrami1, Andre Simon2, Masao Takata1, Nandor Marczin14;  
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-Hanfstring1, S. Czerner1, H. Winter2, R. Hatz2, C. Schneider2, H.-H. Müller1, T. Weig1, B. Zwißler1, B. Meiser1, C. Neurohr1, T. Meis3, J. Behr4, F. Born5, C. Hagl1, R. Schramm45; 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. Safaei Fakhr1, E. Quarenghi1, M. Lanfranconi1, N. Vignola1, A. Perazzoli1, C. Marenghi1, L. Santambrogio14, L. Gattinoni14; 1Dipartimento di Anestesia Rianimazione (Intensiva e Subintensiva) e Terapia del dolore, Fondazione IRCCS Ca’ Granda-Ospedale Maggiore Policlinico, Milan, Italy; 2Dipartimento di Cardiochirurgia “A. De Gasperis”, Ospedale Niguarda Ca’ Granda, Milan, Italy; 3Servizio Perfusione 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
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 Bentala1, Paul van Hattum1, 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 Colson1,2, Philippe Gaudard2, Jean Luc Fellahi3, 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 G4

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 G4

403b ECMO Workshop

15:00  ECMO Workshop
P. Fawcett; Wythenshawe Hospital Manchester

15:30  ECMO Workshop
C. Purcell; Wythenshawe Hospital Manchester
14:00 - 16:00, Room F1

404 Thoracic Workshop

14:00

- **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)
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. Kirnő, 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

- **CPB and Inflammatory Response - an update**
  F. Merkle, Deutsches Herzzentrum Berlin

- **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
16:30 - 17:30, Room G4

**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 G4

**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

**Thoracic Workshop continued**

16:30  Double-lumen tubes (L. Szegedi / K. Kirnö)  
Endobronchial blockers (E. Cohen)  
Epidural and paravertebral thoracic blocks (M. Senturk / P. Nellgård)

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

18:30

**Welcome Reception**
### 08:30 - 10:30, Room F4/F5

#### Renal Panel

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Preventing acute kidney injury in cardiac surgery: the role of perfusion</td>
<td>M. Ranucci; IRCCS Policlinico San Donato</td>
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<tr>
<td>09:00</td>
<td>Pharmacological treatment of acute kidney injury after cardiac surgery</td>
<td>S.E. Ricksten; University Hospital Gothenburg</td>
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<tr>
<td>09:30</td>
<td>Association between Endotoxin Activity and Acute Kidney Injury in Cardiac Patients Undergoing Cardiopulmonary Bypass</td>
<td>Gianluca Paternoster; Department of Cardiovascular Anaesthesia and Intensive Care San Calo Hospital Potenza Italy</td>
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<tr>
<td>09:40</td>
<td>The opposite effect of age on creatinine baseline estimates</td>
<td>M. H. Bernardi; D. Schmidlin; R. Ristl; T. Neugebauer; M. Hiesmayr; A. Lassnigg;</td>
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<tr>
<td>09:50</td>
<td>N-acetylcysteine Versus Dopamine to Prevent Acute Kidney Injury After Cardiac Surgery In Patients with Pre-existing Moderate Renal Insufficiency</td>
<td>Omer Faruk Savluk; Fusun Guzelmeric; Yasemin Yavuz; Halide Ogus; Tulay Orki; Canan Guler; Emre Gurcu; Atakan Erkilinc; Tuncer Kocak; Kartal Kosuyolu High Education And Training Anesthesiology</td>
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<tr>
<td>10:00</td>
<td>The prognostic impact of pre- and early postoperative elevation of creatinine in cardiac surgery</td>
<td>M. Hiesmayr; Medizinische Universit&quot;at Wien</td>
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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 randomizes prospective controlled trial
       Layth Al Tmimi¹, Bart Meyns², Marc Van de Velde³, Paul Sergeant⁴, Mark Coburn⁵, Steffen Rex⁶; ¹KU Leuven - University of Leuven, Department of Anaesthesiology Leuven, Belgium. ²KU Leuven - University of Leuven, Cardiac Surgery, Leuven, Belgium. ³University 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 Knežević¹, Gaj Vidmar¹, Martin Virag¹, Vladan Ristić¹; ¹University Medical Center Ljubljana, Slovenia, ²University Rehabilitation Institute, Ljubljana, Slovenia, ³University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia, ⁴University 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.D¹, Peter Agger MD¹, Eleonora Sivén MD¹, Kristian Wemmelund MD¹, Johan Heiberg MD¹, Christian Alcaraz Frederiksen MD PhD¹, Hanne Berg Ravn MD PhD DMS²; Departments of Anaesthesia and Intensive Care and ³Cardiothoracic and Vascular Surgery, Aarhus 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
Panel on acute lung injury (ALI) in thoracic anaesthesia

08:30 - 10:30, Room G4

603 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 Pálócz, Ágota Kazup, Réka Nemes, Orsolya Farkas, Béla Fülesdi, Tamás Vég; 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
**09:00 - 13:00, Room F1**

### Postgraduate crash course in coagulation and transfusion in cardiac surgery

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

11:30  Blood transfusion in sepsis
       L. Broksøe Holst; Copenhagen University Hospital

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

702 Hypothermia panel

11:00  Thermal management after cardiac arrest
       N. Nielsen; Helsingborg University Hospital

11:30  Extra-corporeal membrane oxygenation and hypothermia after cardiopulmonary
       resuscitation
       J. van der Linden; Karolinka Institutet Stockholm

11:00 - 12:00, Room G4

703 Panel on postoperative lung function

11:00  Transfusion related lung injury associated with cardiac surgery
       N. Juffermans; Academic Medical Center Amsterdam

11:30  Prevention and treatment of atelectasis in cardiac surgery
       A. Larsson; Uppsala University
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 Seilitz, Tal M. Hörer, Per Skoog, Birger Axelsson, Kjell Jansson, Kristoffer F. Nilsson;  1Department of Cardiothoracic and Vascular Surgery and 2Department 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, Kate Tatham, Padmini Sarathchandra, Louit Thakuria, Anna Reed, Fabio De Robertis, Aron Popov, Mohamed Amrani, Toufan Bahrami, Andre Simon, Masao Takata, Nandor Marczin;  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

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; University 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; King 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. Analysis of Risk Factors and Costs within six months after discharge using an administrative registry
Andrea Rossi Zadra1 and Enza Caruso2; AO Citta della Salute e della Scienze 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 Soehngen1, Jörg Ender2; 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
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. Ringaitiene1,2, D. Gineitytė1, J. Sipylaite1, V. Vicka1; 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 Pasini1, Pasquale Nardelli1, Daniela Febres1, Alessandro Belletti1, Omar Saleh1, Mattia Bellandi1, Martina Baiardo Redaelli1, Gianluca Paternoster1, Giovanni Landoni1, Alberto Zangrillo1; 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 Kuyrukluyıldızı1, Murat Günay1, Oruç Alper Onk1, Tülin Akarsu Ayazoğlu1, Abdulkadir Çoban1, Ayşin 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)
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
        R. Mosca; University Hospital of South Manchester

16:54  Contemporary surgical issues for heart failure surgery and VADs
        S. Schueler; Freeman Hospital, NewCastle, UK

17:18  Prediction, diagnosis and therapy of right ventricular failure during LVAD implantation
        M. Kukucka; German Heart Institute Berlin

17:42  Preoptimisation for LVAD implantation
        S. Ahmed; Freeman Hospital, NewCastle, UK

18:06  Vasoplegia during LVAD implantation
        E. de Waal; UMC Utrecht

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
        D. Bolliger

17:00  TEG
        M. Ranucci

17:15  Multiplate
        M. Lancé

17:30  SonoClot
        tba

17:45  Verify Now
        D. Faraoni

18:00  HepCon
        G. Erdoes

18:15  PFA-100
        tba
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. Kirnô)
**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
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 underdgoig 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, MD1,3, Eleonora Sivén MD4, Peter Agger MD2,3, Christian Alcaraz Frederiksen MD PhD1, Johan Heiberg MD1, Kristian Wemmelund MD1, Hanne Berg Ravn MD PhD DMSc; 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 Theodoraki1, ‘Onassis Cardiac Surgery Center, Athens, Greece, ‘Aretaieion University Hospital, Athens, Greece

10:00 Treatment of pulmonary artery hypertension and right ventricular failure
D. Greenhalgh; WYTHENSHAWE HOSPITAL
08:30 - 10:30, Room F2/F3

1002 EACTA/SCA panel

**08:30** EACTA/SCA panel

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Strategies for blood conservation in cardiac surgery</td>
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<tr>
<td>09:00</td>
<td>Management of heparin resistance during cardiopulmonary bypass</td>
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<tr>
<td>09:30</td>
<td>Reoperation due to bleeding is not associated with severe postoperative complications. Timing might be essential?</td>
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<tr>
<td>09:40</td>
<td>Does topical tranexamic acid reduce the postoperative bleeding in patients undergoing primary valve replacement surgery?</td>
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<td>09:50</td>
<td>Influence of red blood cell transfusion on SvcO₂ after cardiovasular surgery</td>
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<td>10:00</td>
<td>Ideal use of Factor VIIa in perioperative bleeding</td>
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08:30 - 10:30, Room G4

1003 Intensive care panel II Haemodynamic management

<table>
<thead>
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<th>Time</th>
<th>Session</th>
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<tr>
<td>08:30</td>
<td>Therapeutic use of ventriculo-arterial coupling relationship</td>
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<td>09:00</td>
<td>Mechanical circulatory support for severe heart failure</td>
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<tr>
<td>09:30</td>
<td>Support with intra-aortic balloon pump vs. Impella2.5® and organ blood flow – an experimental closed-chest porcine model of ischaemic heart failure</td>
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<td>09:40</td>
<td>Assessment of intraoperative Trans Oesophageal image quality and adherence to British Society of Echocardiography guidelines</td>
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<td>09:50</td>
<td>Incidence of Intracranial haemorrhage in patients undergoing VV-ECMO; retroperspective single centre review</td>
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<tr>
<td>10:00</td>
<td>Beta-adrenergic blockers or positive inotropes for severe sepsis?</td>
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### 08:30 - 17:10, Room F1

#### 1004 Trainee Course

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Assessment of the patient for thoracic surgery</td>
<td>G. della Rocca; Azienda ospedaliero-Universita Udine</td>
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<tr>
<td>09:10</td>
<td>Anaesthesia for peripheral vascular surgery</td>
<td>S. Howell; University of Leeds</td>
</tr>
<tr>
<td>09:50</td>
<td>Perioperative mechanical support of the circulation</td>
<td>F. Guarracino; University of Pisa</td>
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<tr>
<td>10:30</td>
<td>Coffee Break</td>
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<tr>
<td>10:50</td>
<td>Current techniques of cardiopulmonary bypass</td>
<td>G. Kunst; Kings College London</td>
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<tr>
<td>11:30</td>
<td>Pharmacology for cardiothoracic anaesthesia</td>
<td>R. Gill; South Hampton</td>
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<tr>
<td>12:10</td>
<td>Cardiac arrhythmias and their management</td>
<td>J. Erb; Heart Center Leipzig University</td>
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<td>12:50</td>
<td>Lunch Break</td>
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<tr>
<td>13:30</td>
<td>Quality assessment in cardiac anaesthesia</td>
<td>P. Rosseel; Department of Anesthesiology, Amphia Hospital, Breda, the Netherlands</td>
</tr>
<tr>
<td>14:10</td>
<td>Critical care following heart surgery</td>
<td>M. Crivellari; IRCCS San Raffaele Scientific Institute</td>
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<tr>
<td>14:50</td>
<td>Weaning from cardiopulmonary bypass</td>
<td>A. Flo-Forner; Heart Center Leipzig University</td>
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<tr>
<td>15:30</td>
<td>Coffee Break</td>
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<tr>
<td>15:50</td>
<td>Adverse effects of one-lung mechanical ventilation</td>
<td>V. von Dossow; Medizinische Universität München</td>
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<tr>
<td>16:30</td>
<td>Anaesthetic management of abdominal aortic surgery</td>
<td>H. El-Ashmawi; Cairo University</td>
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#### 10:30 - 11:00

**Coffee break and Exhibition**
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 surger 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. Duque³, G. Echarri³, A. Hernandez³, A. Sabate³, M. Bes³, P. Monedero⁴ on behalf of the „Grupo Espanol de Disfuncion Renal tras Cirugia Cardica“ (GEDRCC); 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 Kılıçaslan, Bilge Çelebioğlu, Hemra Çil, Meral Kanbak; Hacettepe University, Faculty of Medicine, Dept. of Anesthesiology and Reanimation

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. Hamilton; L. Feddy; S. White; L. Feddy; D. Greenhalgh; I. Malagon; Statistics by S Whiteside, MSc; 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
11:00 - 12:00, Room G4

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 Kern1, 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 Kural5, İslık 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 Andrejaitiene1,2, Edmundas Sirvinskas1,2; 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 Sirvinskas2, Andrius Macas1, Liuda Brogiene1, Tadas Lenkutis1, Vilmante Borutaite1; 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 Hagmann1, Michael J. Hiesmayr3, Andrea Lassnigg2; 1Department of Nephrology, Internal Medicine 1, 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
Lunch Symposia

13:00 - 14:00, Poster Exhibition Area

**PS4 Poster Session 4**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session No.</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>13:00</td>
<td>P19</td>
<td>Postextubation stridor in neonates and children undergoing cardiac surgery: Two year of institutional experience</td>
<td>Aynur Camkiran Firat; From the Departments of Anesthesiology Baskent University Faculty of Medicine, Ankara, Turkey</td>
</tr>
<tr>
<td>13:08</td>
<td>P20</td>
<td>Effect of prolonged aortic cross-clamping time on the incidence of acute kidney injury after cardiac surgery.</td>
<td>Philippe Dewolf; Kim Engelen; Frank Jans; Willem Boer; Pascal Vanelderen; Margot Vander Laenen; Herbert Gutermann; Department of Intensive Care Medicine, Ziekenhuis Oost-Limburg, Genk, Belgium; Department of Cardiac Surgery, Ziekenhuis Oost-Limburg, Genk, Belgium</td>
</tr>
<tr>
<td>13:24</td>
<td>P22</td>
<td>Association of the portoperative trend of B-Type natriuretic peptide (BNP) values and cardiac morbidity and mortality</td>
<td>Eckhard Mauermann; Daniel Bolliger; Manfred Seeberger; Esther Seeberger; Miodrag Filipovic; Giovanna Lurati Buse; Basel University Hospital, Basel, Switzerland; Hirslanden Clinic, Zurich, Switzerland; St. Gallen Cantonal Hospital, St. Gallen, Switzerland</td>
</tr>
<tr>
<td>13:32</td>
<td>P23</td>
<td>Changes in the psychosocial status after cardiac surgery in a 10-years follow-up study</td>
<td>Enikő Holndonner-Kirst; Lili Varga; Daniel Lex; János Gál; Andrea Szekely; Semmelweis University, Department of Anaesthesiology and Intensive Therapy; Semmelweis University, Faculty of Medicine; Semmelweis University, School of PhD Studies</td>
</tr>
<tr>
<td>13:40</td>
<td>P24</td>
<td>The influence of Dexmedetomidine on the quantity of postoperative cognitive disorders after cardiac surgery.</td>
<td>Piotr Jakubow; Cardiosurgery Department</td>
</tr>
<tr>
<td>13:48</td>
<td>P25</td>
<td>Leipzig-Basel experiences with EACTA Fellowship program</td>
<td>Protsyk V; Fassl J; Maurer M; Ender J; Department of Anaesthesiology and Intensive Care Medicine, Heartcentre, University Leipzig, Germany; Department of Anaesthesiology and Intensive Care Medicine, University Hospital Basel, Switzerland</td>
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13:00 - 14:00, Poster Exhibition Area

**Poster Session 5**

**P26**

**Oxygen balance and systemic inflammation after cardio-pulmonary bypass in elderly patients with different intensive care duration**

Lev Krichevskiy, Eugeniy Baliner, Alexandr Urbanov, Alla Laptiy, Nikolay Semenychev; Filatov Hospital #15, Novoskov Research Institute of the General Reanimatology

**P27**

**Pulmonary and Labor isolation in a patient with aspercilloma within a tuberculous cavity**

Granell M, Arnau A, García del Olmo E, González L, Guijarro R, de Andrés JA; 1 Anesthesiology, Critical Care and Pain Relief Department. 2 Thoracic Surgery Department (University General Hospital of Valencia). 3 University of Valencia, Spain (Medicine. Surgery Department. Anesthesiology).

**P28**

**Comparison of Crystalloid and Colloid solutions on extravascular lung water and lung resection**

Zerrin Sungur; Istanbul University

**P29**

**Effects of Thoracic epidural analgesia on Cytokine response for one lung Anaesthesia**

Zerrin Sungur; Istanbul University

**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 Terkanhöglu, Elif Basagan-Mogol; Uludag University

**P31**

**Carotid endarterectomy in octogenarians: a 5-years single centre experience**

Laura Pasin, Pasquale Nardelli, Daniela Febres, Alessandro Belletti, Omar Saleh, Mattia Bellandi, Livia Manfredini, Gianluca Paternoster, Giovanni Landoni, Alberto Zangrillo; 1 Department of Anaesthesia and Intensive Care, IRCCS San Raffaele Scientific Institute, Milan, Italy, 2 Department of Cardiovascular Anaesthesia and Intensive Care, San Carlo Hospital, Potenza, Italy, 3 Vita-Salute San Raffaele University, Milan, Italy

**P32**

**Comparison of two methodologies; ultrason guided perivascular regional anaesthesia of the internal carotid artery and deep cervical plexus block of carotid surgery**

Aynur Camkiram Firat; From the Departments of Anesthesiology Baskent University Faculty of Medicine, Ankara, Turkey
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 Sander³; 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-Davies³; 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 Kuandykov¹, Vladimir Mutagirov¹; ¹National Scientific Centre of Surgery, ²City Clinical Hospital №7

13:48  P39  Analysis of postoperative pulmonary complications after 120 patients lung resection
M. Granell¹, M. Conrado¹, A. Arnau¹, E. García del Olmo¹, R. Guijarro¹, JA. de Andrés¹; ¹Anesthesiology, Critical Care and Pain Relief Department. ²Thoracic Surgery Department (University General Hospital of Valencia)², 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
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; Istanbul

13:20  New monitoring tools to optimize ventilatory settings in thoracic surgery
       C. Ferrando; Valencia

13:20  Experiences with FLOW-i in the cardiothoracic OR
       Per Nellgård; Gothenburg