

## 28<sup>th</sup> EACTS Annual Meeting

Milan, Italy

11-15 October 2014

### Programme at 24 June 2014

#### Scientific Committee

A. Pieter **Kappetein**, M.D., Ph.D., Professor Thoraxcenter, Erasmus MC, Rotterdam Thoraxcenter, Department of Thoracic Surgery, P.O. Box 2040 Rotterdam 3000 CA Netherlands 31-10-7034476/31-10-7033993 (fax)/ a.kappetein@erasmusmc.nl

Paul E. **Van Schil**, M.D., Ph.D. University Hospital of Antwerp >Dept. of Thoracic and Vascular Surgery Wilrijkstraat 10 Edegem (Antwerp) B- 2650 Belgium +32 3 821 4360 /+32 3 821 43 96 (fax)/ paul.van.schil@uza.be

John R. **Pepper**, M.D. Royal Brompton Hospital, Department of Surgery Sydney Street London SW3 6NP United Kingdom +44 (0) 207-351-8530/ +44 (0) 207-351-8531 (fax) j.pepper@rbht.nhs.uk

William J. **Brawn**, M.D. Birmingham Children's Hospital, Department of Cardiac Surgery Diana, Princess of Wales Children's Hospital, Steelhouse Lane Birmingham B4 6NH United Kingdom 44 121 333 9435/ 44 121 333 9441 (fax)/ william.brawn@bch.nhs.uk

Franca **Melfi**, M.D. University of Pisa, Department of Cardio-Thoracic Surgery, Via Paradisa 2, Pisa 56100, Italy 39 050 995226/39 050 577239 (fax)/f.melfi@med.unipi.it

Martin **Czerny**, MD, MBA University Hospital Zurich Rämistrasse 100 Zurich 3010 Switzerland +41 44 255 1111/+41 44 255 8929 (fax) martin.czerny@usz.ch

## Session listing by domain

### Acquired Cardiac Disease Programme

#### Saturday 11 October 2014

Techno College

#### Sunday 12 October 2014

Plenary session - Delivering Value in Healthcare: A vision for Innovation

Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

Coronary - Better decisions better outcome

Aortic valve repair - Replacement early surgery better outcome

Mitral valve repair - Replacement - better surgery better outcome

Improving perfusion part 1

Improving perfusion part 2

Transplantation and organ assist

#### Monday 13 October 2014

Part I: Understanding the mitral valve

Part II: Understanding the mitral valve

Basic Science: Conduits and myocardial ischemia

Small incisions and sutureless valves a perfect marriage

Left ventricular assist devices - softening the blow

Prediction: art or science

Adult Cardiac Rapid response 1

Extracorporeal support - When all else fails

Transcatheter aortic valve implantation: today's routine

Concomitant Afib ablation - refining the standards

High risk surgery

Health Tech

Clinical Outcomes after rapid deployment aortic valve replacement

Minimally invasive mitral valve surgery

Aortic valve sparing include me, remodel me but spare me

What is the benefit of a radial conduit?

New nuggets from late-breaking clinical trials

Challenges and opportunities in modern AF surgery

Left ventricular assist device 2

Technical aspects of coronary bypass graft surgery

Re-evaluation of mitral valve repair and replacement

Transcatheter aortic valve implantation and its place in the contemporary treatment

Abbott

Guidelines

#### Tuesday 14 October 2014

Part I: Catheter based mitral interventions the mitral going transcatheter

Part II: Catheter based mitral interventions the mitral going transcatheter

Basic Science: Genes, cells and drugs

Adult Cardiac Rapid response 2

Congenital aortic valve disease & Ross

Hot strategies in complex cardiac surgery

Coronary Surgery - Quality matters

The tricuspid - a continuing problem

Transcatheter aortic valve implantation: the treatment of choice

Surgical remodelling of the left ventricle

Chronic heart failure - Welcome to the machine

Long term results of mitral valve surgery

Developments in coronary artery bypass graft

Preventing problems after open cardiac surgery

Heart transplantation

Mitral and Tricuspid surgery: How to transition to MIS

Late Breakers

Infective endocarditis and outcomes

Can minimally invasive ablation keep up its promise for lone Afib

Cardiac surgery in marginal patients

Aortic valve repair - Repair is for everyone

All alone in the operating room - Tips and tricks in urgent disasters

Translational cardiovascular research

#### Wednesday 15 October 2014

Part I: Cannulation and extraction techniques - Putting it in and taking it out

Part II: Cannulation and extraction techniques - Putting it in and taking it out

Transcatheter aortic valve implantation complications

Fine-tuning coronary revascularization

Optimizing arterial grafting: Configuration  
Controversies in Cardiac Surgery  
WetLab Mitral/tricuspid valve repair  
WetLab Aortic valve repair/sparing for bicuspid and tricuspid valve  
WetLab : Frozen elephant trunk implantation

Drylab: CT imaging for TAVI

## **Congenital Heart Disease Programme**

### **Saturday 11 October 2014**

Techno College

### **Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation  
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?  
Re-operation Techniques  
Complex venous anomalies  
Surgical Film Session

### **Monday 13 October 2014**

Part II: A lifetime living with atrioventricular septal defect  
Part I: A lifetime living with Atrioventricular septal defect  
The Fontan-TCPC Circulation  
Predictive and non-invasive evaluation of congenital heart disease

### **Tuesday 14 October 2014**

The problem of low birth weight and premature babies  
Mechanical Support and Transplantation  
Congenital Miscellaneous  
Valve Repair

### **Wednesday 15 October 2014**

WetLab : Harvesting the Pulmonary Valve for the Ross Procedure • Making an on-table pulmonary valve

## **Thoracic Disease Programme**

### **Saturday 11 October 2014**

Techno College

### **Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation  
Interactive session on management of Lung cancer staging- clinical implications  
Oligometastatic diseases  
Intraoperative complications  
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

### **Monday 13 October 2014**

Thoracic Oncology I  
Thoracic non-oncology I  
Thoracic oncology II  
Mediastinum  
Chest wall  
Thoracic Rapid response session

### **Tuesday 14 October 2014**

Thoracic Oncology III  
Thoracic Non Oncology II  
Oesophagus  
Lung transplantation  
Basic Science  
Controversies in Thoracic Surgery  
Linking resection and reconstruction of intrathoracic organs  
Thoracic video session

### **Wednesday 15 October 2014**

Wetlab - Thoracic sympathectomy & Vascular repair techniques  
Drylab -Robotic and VATS approach

## **Vascular Disease Programme**

### **Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation

Circulating viewpoints - Consent: Is it understood: Why should I have the operation?  
Different patterns of bicuspid aortic valve associated proximal aortopathy: RESECT or RESPECT?  
EACTS/ STS aortic session- Controversies in treating the distal aorta with and without previous proximal repair- wire or knife  
EACTS/ STS aortic session- How to treat type B aortic dissection- one question, many answers, which solution?

#### **Monday 13 October 2014**

Part I: Aortic arch interventions - debranching, rebranching, stenting and beyond  
Part II: Cannulation issues in aortic surgery- doing things right or doing the right things  
Complicated Type A aortic dissection- malperfusion and outcome  
Proximal thoracic aortic pathology- variations on a theme

#### **Tuesday 14 October 2014**

Outcome in challenging surgery  
Thoraco-abdominal aortic repair reloaded  
Linking resection and reconstruction of intrathoracic organs  
Thoracoabdominal aortic pathology- a functional approach in preserving spinal cord integrity  
Aortic rapid fire session- fire and ice in aortic medicine

#### **Wednesday 15 October 2014**

WetLab : Elephant trunk, frozen elephant trunk and total arch replacement  
Wetlab - Thoracic sympathectomy & Vascular repair techniques

### **General Interest & Professional Development Programmes**

#### **Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation  
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?  
Basic Science session 3  
Basic science session 2  
Basic Science  
Nurses session 1  
Nurses session 2  
Nurses session 3  
Nurses session 4  
Nurses session 5

#### **Monday 13 October 2014**

Work in progress abstract session  
Nightmares in cardiothoracic surgery  
Pro and Cons debates  
Simulation Lab: Mitral valve surgery

#### **Tuesday 14 October 2014**

Meet the expert  
Training in minimally invasive cardiothoracic surgery  
Pitfalls and trouble shooting in Minimally invasive:  
Simulation Lab: Mitral valve surgery

## Acquired Cardiac Disease Programme

**Saturday 11 October 2014**

Techno College

**Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation  
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

Coronary - Better decisions better outcome

Aortic valve repair - Replacement early surgery better outcome

Mitral valve repair - Replacement - better surgery better outcome

Improving perfusion part 1

Improving perfusion part 2

Transplantation and organ assist

**Type**

Plenary

Postgraduate Course

Postgraduate Course

Postgraduate Course

Postgraduate Course

Postgraduate Course

Postgraduate Course

Postgraduate Course

**Monday 13 October 2014**

Part I: Understanding the mitral valve

Part II: Understanding the mitral valve

Basic Science: Conduits and myocardial ischemia

Small incisions and sutureless valves a perfect marriage

Left ventricular assist devices - softening the blow

Prediction: art or science

Adult Cardiac Rapid response 1

Extracorporeal support - When all else fails

Transcatheter aortic valve implantation: today's routine

Concomitant Afib ablation - refining the standards

High risk surgery

Health Tech

Clinical Outcomes after rapid deployment aortic valve replacement

Minimally invasive mitral valve surgery

Aortic valve sparing include me, remodel me but spare me

What is the benefit of a radial conduit?

New nuggets from late-breaking clinical trials

Challenges and opportunities in modern AF surgery

Left ventricular assist device 2

Technical aspects of coronary bypass graft surgery

Re-evaluation of mitral valve repair and replacement

Transcatheter aortic valve implantation and its place in the contemporary treatment

Abbott

Guidelines

Professional Challenge 08:15-11:45

Professional Challenge 08:15-11:45

Abstract 08:15-09:45

Abstract 08:15-09:45

Abstract 08:15-09:45

Abstract 08:15-09:45

Abstract 08:15-09:45

Focus Session 08:15-09:45

Abstract 10:15-11:45

Abstract 10:15-11:45

Abstract 10:15-11:45

Focus Session 10:15-11:45

Focus Session 10:15-11:45

Abstract 14:15-15:45

Abstract 14:15-15:45

Abstract 14:15-15:45

Focus Session 14:15-15:45

Focus Session 14:15-15:45

Abstract 16:00-17:30

Abstract 16:00-17:30

Abstract 16:00-17:30

Abstract 16:00-17:30

Focus Session 16:00-17:30

Focus Session 16:00-17:30

**Tuesday 14 October 2014**

Part I: Catheter based mitral interventions the mitral going transcatheter

Part II: Catheter based mitral interventions the mitral going transcatheter

Basic Science: Genes, cells and drugs

Adult Cardiac Rapid response 2

Congenital aortic valve disease & Ross

Hot strategies in complex cardiac surgery

Coronary Surgery - Quality matters

The tricuspid - a continuing problem

Transcatheter aortic valve implantation: the treatment of choice

Surgical remodelling of the left ventricle

Chronic heart failure - Welcome to the machine

Professional Challenge 08:15-11:45

Professional Challenge 08:15-11:45

Abstract 08:15-11:45

Abstract 08:15-11:45

Abstract 08:15-09:45

Abstract 08:15-11:45

Abstract 10:15-11:45

Abstract 10:15-11:45

Abstract 10:15-11:45

Abstract 10:15-11:45

Focus Session 10:15-11:45

Long term results of mitral valve surgery	Abstract	14:15-15:45
Developments in coronary artery bypass graft	Abstract	14:15-15:45
Preventing problems after open cardiac surgery	Abstract	14:15-15:45
Heart transplantation	Abstract	14:15-15:45
Mitral and Tricuspid surgery: How to transition to MIS	Focus Session	14:15-15:45
Late Breakers	Abstract	16:00-17:30
Infective endocarditis and outcomes	Abstract	16:00-17:30
Can minimally invasive ablation keep up its promise for lone Afib	Abstract	16:00-17:30
Cardiac surgery in marginal patients	Abstract	16:00-17:30
Aortic valve repair - Repair is for everyone	Focus Session	16:00-17:30
All alone in the operating room - Tips and tricks in urgent disasters	Focus Session	16:00-17:30
Translational cardiovascular research	Focus Session	16:00-17:30

### Wednesday 15 October 2014

Part I: Cannulation and extraction techniques - Putting it in and taking it out	Advanced Techniques	08:30-12:00
Part II: Cannulation and extraction techniques - Putting it in and taking it out	Advanced Techniques	08:30-12:00
Transcatheter aortic valve implantation complications	Advanced Techniques	08:30-10:00
Fine-tuning coronary revascularization	Advanced Techniques	08:30-10:00
Optimizing arterial grafting: Configuration	Advanced Techniques	10:30-12:00
Controversies in Cardiac Surgery	Advanced Techniques	08:30-12:00
WetLab Mitral/tricuspid valve repair	Advanced Techniques	08:30-11:30
WetLab Aortic valve repair/sparing for bicuspid and tricuspid valve	Advanced Techniques	08:30-11:30
WetLab : Frozen elephant trunk implantation		
	Advanced Techniques	08:30-11:30
Drylab: CT imaging for TAVI	Advanced Techniques	08:30-11:30

## Saturday 11 October 2014 Acquired Cardiac Disease Programme

### Techno College

#### 08:00-10:00 Session 1 TAVI

TA ( Pericardial new)	T de Kroon, Nieuwegein
TF/TA ? (Sapien 3, no predilatation, non rib spreading, closure device)	T Walther, Bad Nauheim
Apical closure device (Modified VSD occluder)	E Ferrari, Lausanne
Degenerated Homograft/Freestyle using TF	N Moat, London
Degenerated Homograft/Freestyle using a sutureless valve	Dr Gopal Bhatnagar
TA/TF (Acurate, low profile)	H Schröfel, Karlsruhe
Which valve, which patient, which access?	H Treede, Hamburg
TA (Portico)	A Cheung, Vancouver

#### 10:30-12:30 Session 2 AVR/Aortic

Revalve System (Vitality) 3D	Misfeld M. Leipzig
Beating Heart total arch replacement with endoscopic assistance 3D	M Shrestha, Hannover & J Coselli, Houston
Ultra Fast Arch Repair using the new E-novia 3 Zone Graft in Acute Type I Aortic Dissection: First Clinical Application	H Jakob, Essen
Angioscopy-guided frozen elephant trunk procedure for symptomatic chronic type B aortic dissection	M Grabenwöger, Vienna

#### 13:00-15:00 Session 3 Mitral Valve

Transapical MVinV /MVinR	D Holzhey, Leipzig OR T De Kroon, Nieuwegein
Transseptal MV annuloplasty	F Maisano, Zürich
Mini Mitral (Rechord Ring) 3D	M Glauber, Pisa
Transjugular VinV TVR	L Conradi and U Schäfer, Hamburg
Mini mitral non rib spreading (change to : Minimally invasive mitral valve with ring implantation)	P Perrier, Bad Neustadt/Saale
Transcatheter TVR	F Maisano, Zürich
Transapical mitral valve replacement	A Cheung, Vancouver
Mitral Bridge, a novel concept in the treatment of mitral regurgitation	V A Subramanian, NY; S Cerny, Prague
CardiAQ - title to be confirmed	J Bavaria, Philadelphia

#### 15:30-17:00 Session 4 Ablation/Imaging

Chasing the Gold Standard: Combining Advanced Technologies in Thoracoscopic AF-Ablation	tbc - Leipzig?
Remote Proctoring Software	M Glauber, Pisa

Natural User Interfaces; touchless management of information in sterile environments

R Sabada, Pamplona  
M Slaughter, Louisville OR J Gummert,  
Bad Oeynhausen

Future of Mini-LVAD

BIVAD

Kirsch M, Paris



### Plenary Session

08:30 - 10:00	Innovation in Cardiothoracic Surgery	J. Rich, Norfolk
08:30	Delivering Value in Healthcare: A vision for Innovation	B. Keogh, London
08:50	Getting more from less	D. Wood, Seattle
09:10	Leadership	A. Lansky, New Haven
09:30	Innovation and industry: a new understanding	
09:50	Panel discussion	

### Postgraduate Course Acquired Cardiac Disease

#### 10:30 - 12:00 Coronary - Better decisions better outcome

Panel: A. Vahanian, D. Taggart, N. van Mieghem, T. Modine, F. Casselman, S. Head, D. Glineur

10:30	Summarizing the recent evidence	S. Head, Rotterdam (Netherlands)
10:40	Case 1: What would you do? - Three vessel disease with intermediate syntax score	T. Modine, LILLE (France)
10:45	Panel discussion	
11:05	Case 2: What would you do? - Unprotected left main	D. Taggart, Oxford (United Kingdom)
11:10	Panel discussion	
11:30	Lesion based or functional based decision making	F. Casselman, AALST (Belgium)
11:40	Graft selection, configuration	D. Glineur, Brussels (Belgium)
11:50	Panel discussion	

#### 13:00 - 14:30 Aortic valve repair - Replacement early surgery better outcome

Moderators: M. Borger, Leipzig; A. Vahanian, Paris

13:00	Case 1: Asymptomatic aortic stenosis	R. Sádaba, Gorraiz (Spain)
13:05	Operating for B-type natriuretic peptide (BNP), and fibrosis in aortic stenosis?	S. Prasad, London (United Kingdom)
13:20	The role of exercise testing in aortic stenosis	P. Lancellotti, Liege (Belgium)
13:35	The zero tolerance approach for aortic valve replacement	M. Antunes, Coimbra (Portugal)
13:50	Decreasing invasiveness in aortic valve surgery	M. Glauber, Massa (Italy)
14:05	Repair of the bicuspid valve	G. El Khoury, Brussels (Belgium)
14:20	Panel discussion	

#### 14:30 - 16:30 Mitral valve repair - Replacement - better surgery better outcome

Moderators: J. Obadia, Lyon - P. Punjabi, London

Panel : all the speaker are panellists

14:30	Introductory lecture	J. Seeburger, Leipzig (Germany)
14:40	Case 1: Ischemic mitral regurgitation	R. Yadav, London (United Kingdom)
14:45	Mitral regurgitation surgery in patients with ischemic cardiomyopathy and ischemic mitral regurgitation: factors that influence survival	I. Kron, Charlottesville (United States of America)
14:55	Panel discussion	
15:00	Case 2: Anterior leaflet prolapse	J. Kluin, Utrecht (Netherlands)
15:05	It's all about the chords	L. Mueller, Innsbruck (Austria)
15:15	Panel discussion	
15:20	How to preserve a calcified mitral valve	C. Huber, Berne (Switzerland)
15:25	The rocky mitral valve	T. Chotivatanapong, Nonthaburi (Thailand)
15:35	Panel discussion/case resolution	
15:40	Case 4: Paravalvular leakage never happens to me	R. Sádaba, Gorraiz (Spain)
15:45	Better management of paravalvular leakage	F. Maisano, Zurich (Switzerland)
15:55	Panel discussion	
16:00	Take home message	

### Postgraduate Course Perfusion

#### 10:30 - 12:00 Improving perfusion part 1

Moderators: A. Wahba, Trondheim; F. Mergle, Berlin

10:30	Venous drainage during CPB: common problems and innovative solution	
-------	---	--

- L. Von Segesser, Lausanne (Switzerland)
- 11:00 Oxidative stress during ECC - theory and practical consequences  
G. Angelini, Bristol (United Kingdom)
- 11:20 Arterial cannula design and aortic wall stress  
A. Assmann, Duesseldorf (Germany)
- 11:40 Communication in ECC  
A. Wahba, Trondheim (Norway)

**13:00 - 14:30 Improving perfusion part 2**

**Moderators: B. H. Walpoth, Geneva 14; J. Mulholland, London**

- 13:00 Prediction of mortality following ECMO  
T. Bull Enger, Trondheim (Norway)
- 13:20 The challenges of open heart surgery in developing countries  
B. Falase, Lagos (Nigeria)
- 13:40 The use of antibiotics in ECC: pharmacokinetics and practical consequences  
G. Wiesner, Munich (Germany)
- 14:00 Treatment of hypothermia with ECC – the IHR  
B. Walpoth, Geneva 14 (Switzerland)

**14:30 - 16:00 Transplantation and organ assist**

**Moderators: B. Meyns, Leuven; J. Horisberger, Le Mont sur Lausanne**

- 14:30 EVLP from concept to current practice  
S. Steen, Lund (Sweden)
- 14:50 Donation following circulatory determination of death – more lungs available for transplantation?  
J. Dark, Newcastle Upon Tyne (United Kingdom)
- 15:10 Mechanical circulatory support in acute myocardial infarction.  
B. Meyns, Leuven (Belgium)
- 15:30 VAD implantation with or without ECC  
T. Krabatsch, Berlin (Germany)

**13:00 - 15:00 Circulating viewpoints - Consent: Is it understood: Why should I have the operation?**

Moderator: Taggart or Kappetein

Learning objectives:

*Teamwork means never having to take all the blame (yourself)*

*Sharing the blame (responsibility)*

- 13:00 Low mortality or failure to rescue  
S. Westaby, Oxford (United Kingdom)
- 13:30 Success from the patient point of view  
T. Goldsworthy, Tewkesbury (United Kingdom)
- 14:00 Doctor please explain the treatment  
B. Leigh, London (United Kingdom)
- 14:30 Understanding risk in a risk averse world  
B. Smit, Rotterdam (Netherlands)

**08:15 - 09:45 Part I: Understanding the mitral valve**  
 Moderators: P. Perier, Bad Neustadt/Saale; R. Lorusso, Brescia  
 Panel: R. Dion, Genk; M. Borger, Leipzig; G. Dahle, oslo; G. Dreyfus, Monte-Carlo

08:15 Anatomy of the mitral valve  
H. Muresian, Bucharest  
 08:30 Pathophysiology and natural history of functional mitral regurgitation  
M. Sitges, Barcelona  
 08:40 Assessment of functional mitral regurgitation  
J. Vanoverschelde, Brussels  
 08:50 Live surgery  
 09:10 Coronary revascularization alone or with mitral valve repair  
I. Kron, Charlottesville  
 09:25 Wrap up

**10:15 - 11:45 Part II: Understanding the mitral valve**  
 Moderators: P. Perier, Bad Neustadt/Saale; R. Lorusso, Brescia  
 Panel: R. Dion, Genk; M. Borger, Leipzig; G. Dahle, oslo; G. Dreyfus, Monte-Carlo


10:15 Leaflet and chordal procedures in functional mitral regurgitation  
M. Borger, Leipzig  
 10:30 Safety and feasibility of a new adjustable mitral annuloplasty ring: A multicenter European experience  
M. Andreas<sup>1</sup>, A. Kocher<sup>1</sup>, S. Livesey<sup>2</sup>, M. Castella<sup>3</sup>, F. Casselman<sup>4</sup>, N. Doll<sup>5</sup>, C. Bannister<sup>2</sup>, D. Pereda<sup>3</sup>, G. Laufer<sup>1</sup>, M. Czesla<sup>5</sup>; <sup>1</sup>Vienna (Austria), <sup>2</sup>Southampton (United Kingdom), <sup>3</sup>Barcelona (Spain), <sup>4</sup>AALST (Belgium), <sup>5</sup>Stuttgart (Germany)  
 10:45 Prosthesis-patient mismatch due to small ring annuloplasty in patients with degenerative mitral insufficiency  
N. Kawamoto<sup>1</sup>, T. Fujita<sup>1</sup>, H. Hata<sup>2</sup>, Y. Shimahara<sup>2</sup>, S. Sato<sup>2</sup>, J. Kobayashi<sup>2</sup>; <sup>1</sup>Suita (Japan), <sup>2</sup>Osaka (Japan)  
 11:00 Artificial chordae in a variety of leaflet prolapses: different approaches using the folding leaflet technique.  
R. Garcia Fuster, F. Paredes, A. Mena, M. Juez, O. Gil, F. Hornero, J. Martínez-León; Valencia (Spain)  
 11:15 Concomitant surgery on the left ventricle  
G. Dreyfus, Monte-Carlo  
 11:30 Panel discussion

**08:15 - 09:45 Basic Science: Conduits and myocardial ischemia**  
 Moderators: D. J. Chambers, London; A. Diegeler, Bad Neustadt  
 Learning objectives:

- To learn about preclinical evidence of new organs and grafts protection methods

08:15 Decreased DNA Disruption in the Porcine Neocortex with Erythromycin Preconditioning during Prolonged Hypothermic Circulatory Arrest: Evidence for Neuroprotection  
C. Koutsogiannidis<sup>1</sup>, O. Ananiadou<sup>2</sup>, F. Ampatzidou<sup>1</sup>, D. Mytilinaios<sup>3</sup>, T. Troupis<sup>4</sup>, A. Charchanti<sup>5</sup>, G. Drossos<sup>2</sup>, E. Johnson<sup>4</sup>; <sup>1</sup>THESSALONIKI (Greece), <sup>2</sup>Thessaloniki (Greece), <sup>3</sup>Athens (Greece), <sup>4</sup>ATHENS (Greece), <sup>5</sup>IOANNINA (Greece)  
 Discussant: T. Tonnessen, Oslo  
 08:30 RNase1 as a potential mediator of remote ischemic preconditioning for cardioprotection  
A. Boening, B. Niemann, P. Grieshaber, K. Preissner, H. Cabrera-Fuentes; Giessen (Germany)  
 Discussant: C. Heilmann, Freiburg  
 08:45 Levosimendan impairs ATP-production by limitation of electron transport chain function followed by loss of Ca<sup>2+</sup> retention capacity in healthy myocardial mitochondria and during Ischemia Reperfusion Injury  
 S. Sommer, M. Leistner, I. Aleksic, C. Schimmer, K. Alhussini, R. Leyh, S. Sommer; Würzburg (Germany)  
 09:00 Endoscopic vein harvesting is associated with increased endothelial microparticle secretion – A randomised ex-vivo analysis.  
B. Krishnamoorthy<sup>1</sup>, J. Tsang<sup>1</sup>, W. Critchley<sup>1</sup>, N. Yonan<sup>1</sup>, J. Fildes<sup>2</sup>; <sup>1</sup>Manchester (United Kingdom), <sup>2</sup>South Manchester (United Kingdom)  
 Discussant: Y. Taverne, Rotterdam  
 09:15 What is the source of anticontractile factor released by the pedicle of human internal thoracic artery?  
K. Kociszewska, M. Malinowski, P. Czeka, M. Deja; Katowice (Poland)  
 Discussant: A. Franco-Cereceda, Stockholm  
 09:30 Inhibition of restenosis of the vein graft with slow-released bosentan degradable PLGA vessel external sheaths  
 P. Xie, T. Gu, E. Shi; Shenyang (China)  
 Discussant: J. Vaage, Oslo

**08:15 - 09:45 Small incisions and sutureless valves a perfect marriage**  
 Moderators: S. Cánovas, Murcia  
 Learning objectives:  
 • Do sutureless valves make a difference?

- 08:15 European Multicenter experience with Sutureless Perceval valve: clinical and hemodynamic outcomes up to 5 years in over 700 patients.  
M. Shrestha<sup>1</sup>, F. Laborde<sup>2</sup>, T. Carrel<sup>3</sup>, T. Fischlein<sup>4</sup>, B. Meuris<sup>5</sup>, F. Madonna<sup>6</sup>, M. Misfeld<sup>7</sup>, A. Haverich<sup>1</sup>; <sup>1</sup>Hannover Germany, <sup>2</sup>Paris (France), <sup>3</sup>Berne (Switzerland), <sup>4</sup>Nuremberg (Germany), <sup>5</sup>Leuven (Belgium), <sup>6</sup>Pessac (France), <sup>7</sup>Leipzig (Germany)  
*Discussant:* U. Rosendahl, London
- 08:30 Right Anterior Minithoracotomy For Isolated Aortic Valve Replacement: Ten-Year Experience On 484 Patients  
M. Glauber<sup>1</sup>, D. Gilmanov<sup>1</sup>, A. Miceli<sup>1</sup>, P. Farneti<sup>1</sup>, M. Ferrarini<sup>2</sup>, M. Murzi<sup>1</sup>, F. Chiaramonti<sup>1</sup>, M. Solinas<sup>1</sup>; <sup>1</sup>Massa (Italy), <sup>2</sup>Milano (Italy)  
*Discussant:* C. Huber, Bern
- 08:45 Propensity Score Analysis of Outcomes following Minimally Invasive versus Conventional Aortic Valve Replacement  
S. Shehada, B. Voss, Y. Elhmidi,  Öztürk, R. Guenzinger, M. Wottke, R. Lange, D. Mazzitelli; Munich (Germany)
- 09:00 Sutureless aortic valves save hospital costs when compared to traditional valves.  
B. Meuris<sup>1</sup>, P. Verbrugghe<sup>2</sup>, S. Sainte<sup>1</sup>, H. De Praetere<sup>1</sup>, F. Rega<sup>1</sup>; <sup>1</sup>Leuven (Belgium), <sup>2</sup>Rotselaar (Belgium)  
*Discussant:* F. Eckstein, Basel
- 09:15 Is Aortic Valve Replacement Safe Through An Anterior Right Mini-Thoracotomy?  
R. Sinha, D. Hui, M. Bowdish, R. Ranjan, J. Chan, C. Baker, M. Cunningham, V. Starnes; Los Angeles (United States of America)  
*Discussant:* M. Amrani,
- 09:30 Clinical and hemodynamic outcomes in 658 patients receiving the Perceval sutureless aortic valve: early results from a Prospective European Multicenter study (Cavalier Trial).  
F. Laborde<sup>1</sup>, T. Fischlein<sup>2</sup>, K. Hakim-Meibodi<sup>3</sup>, M. Misfeld<sup>4</sup>, T. Carrel<sup>5</sup>, M. Zembala<sup>6</sup>, B. Meuris<sup>7</sup>, A. Haverich<sup>8</sup>; <sup>1</sup>Paris (France), <sup>2</sup>Nuremberg (Germany), <sup>3</sup>Bad Oeynhausen (Germany), <sup>4</sup>Leipzig (Germany), <sup>5</sup>Berne (Switzerland), <sup>6</sup>Tarnowskie Góry (Poland), <sup>7</sup>Leuven (Belgium), <sup>8</sup>Hannover (Germany)

#### 08:15 - 09:45

##### **Left ventricular assist devices - softening the blow**

Moderators: F. Beyersdorf, Freiburg; J. Rich, Norfolk

Learning objectives:

- *New techniques for left ventricular assist device implantation*
- *Results of minimally invasive left ventricular assist device implantation*

- 08:15 How can we reduce the morbidity of VAD support?  
J. Rich, Norfolk
- 08:30 Is Antiplatelet Therapy Required in HeartMate II Patients: Preliminary Results From the European TRACE Study  
J. Schmitto<sup>1</sup>, P. Litzler<sup>2</sup>, M. Berchtold-Herz<sup>3</sup>, E. Flecher<sup>4</sup>, D. Zimpfer<sup>5</sup>, L. Damme<sup>6</sup>, K. Sundareswaran<sup>7</sup>, I. Netuka<sup>8</sup>; <sup>1</sup>Hannover (Germany), <sup>2</sup>Rouen (France), <sup>3</sup>Freiburg (Germany), <sup>4</sup>Rennes (France), <sup>5</sup>Vienna (Austria), <sup>6</sup>HUNTINGDON (United Kingdom), <sup>7</sup>USA (United States of America), <sup>8</sup>Prague (Czech Republic)  
*Discussant:* C. Knosalla, Berlin
- 08:45 Minimally invasive surgical and anaesthetic approach for ventricular assist device implantation: a single-centre experience  
T. Bottio<sup>1</sup>, J. Bejko<sup>1</sup>, G. Bortolussi<sup>1</sup>, R. Bianco<sup>1</sup>, G. Falasco<sup>1</sup>, D. Pittarello<sup>2</sup>, V. Tarzia<sup>1</sup>, G. Gerosa<sup>1</sup>; <sup>1</sup>Padua (Italy), <sup>2</sup>Cotignola (RA) (Italy)  
*Discussant:* Y. Saiki, Sendai
- 09:00 Are all continuous flow LVADs equal on platelet activation and inflammatory response? A comparison of centrifugal versus axial flow pump.  
V. Tarzia, G. Bortolussi, V. Penzo, J. Bejko, M. Gallo, R. Bianco, T. Bottio, G. Gerosa; Padua (Italy)  
*Discussant:* L. Maroto,
- 09:15 Novel Minimally Invasive Decommissioning of HeartWare HVAD Left Ventricular Assist Device following Myocardial Recovery  
N. Wrightson, N. Robinson-Smith, T. Butt, B. Ramesh, F. Oezalp, G. MacGowan, A. Donado, S. Schueler; 7DN (United Kingdom)  
*Discussant:* D. O. Nordhaug, Trondheim
- 09:30 First results of 111 minimally-invasive LVAD implantations at a single center!  
J. Schmitto, S. Rojas, M. Avsar, J. S. Hanke, D. Berliner, C. Bara, J. Bauersachs, A. Haverich; Hannover (Germany)

#### 08:15 - 09:45

##### **Prediction: art or science**

Moderators: F. Barilli, Cuneo; S. Grant,

Learning objectives:

- *Understanding risk prediction*
- *Predicting short and long-term outcome*

- 08:15 Risk prediction for dummies  
D. Pagano, Birmingham
- 08:30 Improved prediction by Dynamic Modelling: an exploratory study In The Adult Cardiac Surgery Database Of The Netherlands Association for Cardio-Thoracic Surgery  
S. Siregar<sup>1</sup>, D. Nieboer<sup>2</sup>, Y. Vergouwe<sup>2</sup>, M. Versteegh<sup>1</sup>, L. Noyez<sup>3</sup>, A. Vonk<sup>4</sup>, E. Steyerberg<sup>2</sup>, J. J. M. Takkenberg<sup>2</sup>; <sup>1</sup>Leiden (Netherlands), <sup>2</sup>Rotterdam (Netherlands), <sup>3</sup>Nijmegen (Netherlands), <sup>4</sup>1081HV (Netherlands)
- 08:45 National administrative data produces a very accurate risk prediction model for short and long-term mortality following cardiac surgery  
D. Aktuerk<sup>1</sup>, D. McNulty<sup>2</sup>, V. Barnett<sup>2</sup>, N. Freemantle<sup>2</sup>, D. Ray<sup>2</sup>, D. Pagano<sup>2</sup>; <sup>1</sup>Leamington (United Kingdom), <sup>2</sup>Birmingham (United Kingdom)
- 09:00 Validation and quality measurements for EuroSCORE AND EuroSCORE II in Spanish population: a prospective and multi center study  
A. García-Valentín<sup>1</sup>, C. Mestres<sup>2</sup>, E. Bernabeu<sup>1</sup>, I. Martín<sup>3</sup>, C. Rueda<sup>3</sup>, A. Domenech<sup>3</sup>, J. Valencia<sup>3</sup>, D. Fletcher<sup>3</sup>; <sup>1</sup>Alicante (Spain), <sup>2</sup>Barcelona (Spain), <sup>3</sup>Valencia (Spain)

- 09:15 The EuroSCORE: A neglected measure of medium term survival following cardiac surgery  
A. Habib<sup>1</sup>, A. Dhanji<sup>2</sup>, S. Mansour<sup>3</sup>, A. Wood<sup>2</sup>, W. Awad<sup>2</sup>; <sup>1</sup>Birmingham (United Kingdom), <sup>2</sup>London (United Kingdom), <sup>3</sup>Cairo (Egypt)
- 09:30 How to use data to improve global outcome or perhaps "Analyzing data for Better and Safer Health Care"  
D. Ray, Birmingham

**08:15 - 09:45 Extracorporeal support - When all else fails**  
 Moderators: G. Lebreton, Paris; G. Trummer, Freiburg

- 08:15 Extracorporeal support in acute heart failure  
J. Gummert, Bad Oeynhausen
- 08:30 Video: The conscious extracorporeal membrane oxygenation patient  
G. Warnecke, Hannover
- 08:45 Optimal Drainage  
S. Price, London
- 09:00 The art of weaning  
J. Kluin, Utrecht
- 09:15 Off site extracorporeal support  
F. Collart, Marseille
- 09:25 Right ventricular assist device and extracorporeal membrane oxygenation  
M. Siepe, Freiburg
- 09:40 Wrap up  
G. Trummer, Freiburg

**10:15 - 11:45 Transcatheter aortic valve implantation: today's routine**  
 Moderators: N. Van Mieghem, Rotterdam; H. Treede, Hamburg

- 10:15 Dealing with complications of transcatheter aortic valve implantation  
N. Moat, London
- 10:25 Video: Where valves can go  
C. Huber, Berne
- 10:35 Discussion
- 10:40 Marginal Differences Between Full, Partial Sternotomy and TAVR. A EuroSCORE Matched Analysis  
D. Camboni, C. Ricci, K. Debl, Y. Zausig, B. Floerchinger, M. Hilker, C. Schmid; Regensburg (Germany)  
 Discussant: M. Amrani,
- 10:55 Conventional aortic valve replacement or transcatheter aortic valve implantation in patients with previous cardiac surgery  
D. Wendt, F. Al-Rashid, P. Kahlert, K. El-Chilali, E. Demircioglu, R. Erbel, H. Jakob, M. Thielmann; Essen (Germany)  
 Discussant: N. Moat, London
- 11:10 Trends in surgical aortic valve replacement in >3000 consecutive cases in the era of transcatheter aortic valve implantation  
M. Silaschi, L. Conradi, M. Seiffert, U. Schäfer, H. Treede, S. Blankenberg, H. Reichenspurner; Hamburg (Germany)  
 Discussant: T. Modine, LILLE
- 11:25 Patient-prosthesis mismatch: clinical and hemodynamic outcome of redo patients undergoing transcatheter aortic valve-in-valve implantation versus sutureless AVR.  
L. Pietsch<sup>1</sup>, G. Santarpino<sup>2</sup>, F. Pollari<sup>3</sup>, J. Sirch<sup>1</sup>, F. Vogt<sup>1</sup>, S. Pfeiffer<sup>1</sup>, T. Fischlein<sup>1</sup>; <sup>1</sup>Nuremberg (Germany), <sup>2</sup>Schwanstetten (Germany), <sup>3</sup>Berlin (Germany)
- 11:40 Wrap up  
T. Walther, Bad Nauheim

**10:15 - 11:45 Concomitant Afib ablation - refining the standards**  
 Moderators: S. Nashef, Cambridge; N. Ad, Falls Church

- 10:15 Electrophysiologic Findings and Long-term Outcomes of Percutaneous Ablation of Atrial Arrhythmias after Surgical Ablation for Atrial Fibrillation  
C. Trumello<sup>1</sup>, A. Pozzoli<sup>2</sup>, P. Mazzone<sup>1</sup>, S. Nascimbene<sup>1</sup>, P. Della Bella<sup>2</sup>, O. Alfieri<sup>2</sup>, S. Benussi<sup>2</sup>; <sup>1</sup>Milano (Italy), <sup>2</sup>Milan (Italy)  
 Discussant: N. Ad, Falls Church
- 10:30 Concomitant surgical ablation for atrial fibrillation (AF) in patients with significant atrial dilation >55 mm. Worth the effort?  
S. Pecha, T. Ahmadzade, S. Willems, H. Reichenspurner, F. Wagner; Hamburg (Germany)  
 Discussant: T. Weimar, NA
- 10:45 Dilated Left Atrium as Predictor of Late Outcome after Pulmonary Vein Isolation Concomitant with Aortic Valve Replacement and/or Coronary Artery Bypass Grafting  
S. Kainuma<sup>1</sup>, M. Mitsuno<sup>2</sup>, K. Toda<sup>3</sup>, S. Miyagawa<sup>4</sup>, T. Funatsu<sup>5</sup>, K. Taniguchi<sup>5</sup>, Y. Miyamoto<sup>2</sup>, Y. Sawa<sup>3</sup>; <sup>1</sup>Sakai (Japan), <sup>2</sup>Nishinomiya (Japan), <sup>3</sup>Suita (Japan), <sup>4</sup>Osaka (Japan), <sup>5</sup>Sakai city (Japan)  
 Discussant: J. Obadia, Lyon
- 11:00 Better Sinus Rhythm Restoration and Congestive Heart Failure Protection of Left Atrium Volume Reduction in a Giant Left Atrium  
J. H. KIM<sup>1</sup>, C. Na<sup>1</sup>, Y. K. Choi<sup>2</sup>, S. J. Lee<sup>2</sup>; <sup>1</sup>Daegu (Korea), <sup>2</sup>Bucheon (Korea)  
 Discussant: F. Casselman, AALST
- 11:15 Long-term results of concomitant video-assisted minimally invasive AF cryoablation validated by clinical and electrophysiological assessment  
G. Marchetto, M. Anselmino, S. Mancuso, C. Rovera, M. Antolini, M. Morello, F. Gaita, M. Rinaldi; Turin (Italy)

*Discussant:* A. Weber, Bern

- 11:30 Concomitant surgical closure of the left atrial appendage in patients with atrial fibrillation reduces risk for postoperative thromboembolic events and improves survival

M. Wilbring, F. Jung, K. Matschke, M. Knaut; Dresden (Germany)

*Discussant:* S. Salzberg, Zurich

#### 10:15 - 11:45

##### High risk surgery

Moderators: R. M. Suri,

Learning objectives:

- To assess the impact on surgical outcome of usual and unusual comorbidities

- 10:15 Short and Long Term Outcomes (including Quality of Life) After Cardiac Surgery in Patients With Postoperative Acute Kidney Injury (AKI)

J. Nandi<sup>1</sup>, P. Mishra<sup>2</sup>, H. Luckraz<sup>2</sup>, A. Nevill<sup>2</sup>, N. Denyer<sup>2</sup>, S. Kitchlu<sup>2</sup>, R. Giri<sup>2</sup>, J. Nicholas<sup>1</sup>; <sup>1</sup>Wolverhampton (United Kingdom), <sup>2</sup>Wolverhampton (United Kingdom)

*Discussant:* G. Trummer, Freiburg

- 10:30 Patients with Lupus Erythematoses and Antiphospholipid Syndrome Undergoing Cardiac Valve Surgery

R. Arif, P. Seppelt, M. Farag, M. Zaradzki, A. Ruhparwar, M. Karck, K. Kallenbach; Heidelberg (Germany)

- 10:45 When Size Matters: Obesity Paradox And Parallax For Cardiac Surgery Patients. Analysis of 3,977 Patients And Review of The Literature.

M. Zeinah<sup>1</sup>, H. El-Nady<sup>1</sup>, S. Shah<sup>1</sup>, D. Ngaage<sup>2</sup>; <sup>1</sup>Basildon (United Kingdom), <sup>2</sup>LS17 6NX (United Kingdom)

*Discussant:* F. Barili, Cuneo

- 11:00 Outcome of cardiosurgical patients influenced by Parkinson's disease

M. Vondran, M. Mende, M. Sauer, M. Aydin, F. Bakhtyari, F. Mohr, T. Schroeter; Leipzig (Germany)

*Discussant:* R. Sádaba, Gorraiz

- 11:15 Pre-Operative Renal Dysfunction/Failure Affects The Short And Long Term Survival Significantly After Cardiac Surgery: 13 Years Experience Of A Single Centre

S. S. A. Qadri<sup>1</sup>, A. Barua<sup>2</sup>, M. Chaudhry<sup>3</sup>, M. Jarvis<sup>2</sup>, A. Cale<sup>3</sup>, M. Cowen<sup>3</sup>, M. Loubani<sup>2</sup>; <sup>1</sup>WAKEFIELD (United Kingdom), <sup>2</sup>Hull (United Kingdom), <sup>3</sup>Cottingham (United Kingdom)

*Discussant:* L. Noyez, Nijmegen

- 11:30 Early treatment with non-Heparin based anticoagulants in patients with Heparin induced thrombocytopenia reduces 30-day-mortality after cardiac surgery

C. Roesch<sup>1</sup>, J. Hoerer<sup>1</sup>, J. Kasnar-Samprec<sup>2</sup>, R. Lange<sup>2</sup>, J. Weipert<sup>1</sup>; <sup>1</sup>Muenchen (Germany), <sup>2</sup>Munich (Germany)

*Discussant:* F. Pappalardo, Milan

#### 10:15 - 11:45 Health Technology

##### 10:15 - 11:45 Clinical Outcomes after rapid deployment aortic valve replacement

Moderators: A Haverich, Hannover, R de Paulis Rome

Rapid Deployment Aortic Valve Replacement – does it make a difference?

Objectives: Present recent scientific evidence from clinical trials performed with a novel rapid deployment valve. Evaluate the patients short and long-term outcomes compared to other types of surgery. Discuss patient profiles and how it makes a difference.

- 10:15 How are patients doing after 3 years? Long-term follow-up from the TRITON Trial

T Wahlers, Köln,

- 10:30 Minimal invasive vs conventional AVR: results from the randomized, CADENCE-MIS Trial

M A Borger, Leipzig,

- 10:45 What are the advantages of RDAVR in small annulus?

F Collart, Marseille

- 11:00 Rapid deployment valves in real life: the pan-European FOUNDATION Study enrolling 500 patients

C Young, London, UK

- 11:15 Evolution of MIS-AVR and why this is the right time to get involved. Our right thoracotomy experience

G Kocker, Vienna,

- 11:30 Which patients for which approach?

S, Bochum,

#### 10:15 - 11:45

##### Adult Cardiac Rapid response 1

Moderators: V. Falk, Zurich; A. P. Kappetein, Rotterdam

- 10:15 Treatment of aortic valve stenosis – 5 years of experience with an integrated 360° approach in a high volume center.

M. Wilbring, T. Taut, K. Ibrahim, K. Matschke, U. Kappert; Dresden (Germany)

- 10:24 Clinical and hemodynamic outcomes in 804 patients receiving the Freedom SOLO stentless aortic valve: results from an International Prospective Multicenter study.

H. Grubitzsch<sup>1</sup>, S. Wang<sup>1</sup>, K. Matschke<sup>2</sup>, M. Glauber<sup>3</sup>, D. Heimansohn<sup>4</sup>, E. Tan<sup>5</sup>, K. Francois<sup>6</sup>, M. Thalmann<sup>7</sup>; <sup>1</sup>Berlin (Germany), <sup>2</sup>Dresden (Germany), <sup>3</sup>Massa (Italy), <sup>4</sup>Indianapolis (United States of America), <sup>5</sup>Eindhoven (Netherlands), <sup>6</sup>Ghent (Belgium), <sup>7</sup>Vienna (Austria)

- 10:33 Surgery in Aortic Valve Regurgitation and Left Ventricle Dysfunction

P. Correia, G. Freitas Coutinho, R. Pancas, M. Antunes; Coimbra (Portugal)

- 10:42 TRIBECA study: (TRI)fecta (B)ioprostheses (E)valuation vs (C)arpentier Magna-Ease in (A)ortic position

A. Colli<sup>1</sup>, R. DiBartolomeo<sup>2</sup>, D. Mangino<sup>3</sup>, A. Pardini<sup>4</sup>, M. Agrifoglio<sup>5</sup>, T. Gherli<sup>6</sup>, M. J. Amorim<sup>7</sup>, G. Gerosa<sup>8</sup>; <sup>1</sup>Padova (Italy), <sup>2</sup>Bologna (Italy), <sup>3</sup>Mestre (Italy), <sup>4</sup>Terni (Italy), <sup>5</sup>Milan (Italy), <sup>6</sup>Parma (Italy), <sup>7</sup>Porto (Portugal), <sup>8</sup>Padua (Italy)

- 10:51 Durability after Aortic Valve Replacement with the Mitroflow versus the Perimount Pericardial Bioprosthesis - Single-center Experience in 2393 patients

P. Nielsen, K. Terp, H. H. Kimose, I. S. Modrau, H. Jensen, M. Smerup, V. Hjortdal, S. Nielsen; Aarhus N (Denmark)

- 11:00 Sutureless Aortic Valve Replacement With A Perceval S Prosthesis: Three-Year Single Centre Experience On 390 Patients

M. Glauber<sup>1</sup>, D. Gilmanov<sup>1</sup>, P. Farneti<sup>1</sup>, M. Ferrarini<sup>2</sup>, E. Kallushi<sup>1</sup>, A. Miceli<sup>1</sup>, A. Cerillo<sup>1</sup>, M. Solinas<sup>1</sup>; <sup>1</sup>Massa (Italy), <sup>2</sup>Milano (Italy)



- 11:09 Morphologic and functional consequences of trans-radial coronary angiography on the radial artery: implications for use as a bypass conduit  
A. Leone, M. Gaudino, A. Lupascu, A. Mazza, R. Flore, A. Toesca, P. Tondi, M. Massetti; Rome (Italy)
- 11:18 Off-pump coronary artery bypass reduces early stroke in Octogenarians: A Meta-analysis of 18,000 patients  
S. E. Altarabsheh<sup>1</sup>, S. Deo<sup>2</sup>, A. rabab<sup>3</sup>, V. Sharma<sup>4</sup>, J. Y. Lim<sup>5</sup>, Y. H. Cho<sup>6</sup>, S. Park<sup>6</sup>; Amman (Jordan), <sup>2</sup>Surat (India), <sup>3</sup>Irbid (Jordan), <sup>4</sup>York (United States of America), <sup>5</sup>Seoul (Korea), <sup>6</sup>Cleveland (United States of America)
- 11:27 Pressure controlled vein graft flushing results in superior histological quality - A randomized trial  
M. Arsalan, S. Bader, H. Baumgarten, J. Blumenstein, H. Möllmann, C. Troidl, T. Walther, J. Kempfert; Bad Nauheim (Germany)
- 11:36 Acute coronary angiography for myocardial ischemia after coronary artery bypass grafting  
K. Hultgren<sup>1</sup>, A. Andreasson<sup>1</sup>, T. Axelsson<sup>2</sup>, P. Albertsson<sup>1</sup>, V. Lepore<sup>1</sup>, A. Jeppsson<sup>3</sup>; <sup>1</sup>Gothenburg (Sweden), <sup>2</sup>Reykjavik (Iceland), <sup>3</sup>Goteborg (Sweden)

#### 14:15 - 15:45

##### **Minimally invasive mitral valve surgery**

Moderators: N. Doll, Stuttgart; M. Moon, St Louis

Learning objectives:

- *Medium and long-term outcomes of minimally invasive mitral valve surgery*
- *Long term outcomes of mitral valve repair*

- 14:15 Is minimally invasive mitral valve repair here to stay?  
P. Perier, Bad Neustadt/Saale
- 14:30 Video assisted right mini-thoracotomy versus full sternotomy for isolated mitral valve repair: A propensity matched comparison  
T. Günther, V. Kehl, B. Voss, R. Lange; Munich (Germany)  
*Discussant:* U. Franke, Stuttgart
- 14:45 Twenty-five-year experience of chordal replacement with expanded polytetrafluoroethylene in mitral valve repair  
H. Hata<sup>1</sup>, T. Fujita<sup>1</sup>, Y. Shimahara<sup>2</sup>, S. Sato<sup>1</sup>, H. Ueda-Ishibashi<sup>1</sup>, J. Kobayashi<sup>2</sup>; <sup>1</sup>Suita (Japan), <sup>2</sup>Osaka (Japan)  
*Discussant:* H. Vetter, Wuppertal
- 15:00 Early and Long-term Outcomes of Minimally Invasive Mitral Valve Surgery Through Right Minithoracotomy: a ten-year experience in 1604 patients.  
M. Glauber<sup>1</sup>, A. Miceli<sup>1</sup>, D. Canarutto<sup>1</sup>, M. Ferrarini<sup>2</sup>, P. Farneti<sup>1</sup>, M. Murzi<sup>1</sup>, A. Cerillo<sup>1</sup>, M. Solinas<sup>1</sup>; <sup>1</sup>Massa (Italy), <sup>2</sup>Milano (Italy)  
*Discussant:* U. Von Oppell, Cardiff
- 15:15 Surgical treatment of paravalvular leak: long-term results in a single centre experience (up to 14 years)  
M. Taramasso<sup>1</sup>, F. Maisano<sup>2</sup>, P. Denti<sup>1</sup>, A. Pozzoli<sup>1</sup>, N. Buzzatti<sup>3</sup>, M. De Bonis<sup>1</sup>, G. La Canna<sup>1</sup>, O. Alfieri<sup>1</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>Zurich (Switzerland), <sup>3</sup>Milano (Italy)
- 15:30 Off pump transapical mitral valve repair with Neochordae  
A. Dayeh, A. Moka, A. Argyroulis, S. Daebritz; Duisburg (Germany)  
*Discussant:* F. Eckstein, Basel

#### 14:15 - 15:45

##### **Aortic valve sparing include me, remodel me but spare me**

Moderators: L. de Kerchove, Brussels; R. Lange, Munich

- 14:15 Aortic valve sparing operations in aortic root aneurysms: remodeling, reimplanting: is the debate closed?  
R. De Paulis, Rome
- 14:25 LIB - to suture or not to suture: a simplified reimplantation technique  
T. Modine, LILLE
- 14:35 Discussion
- 14:40 The Role of Annulus Dimension and Annuloplasty in Tricuspid Aortic Valve Repair  
L. de Kerchove, S. Mastrobuoni, M. O'Keefe, P. Astarci, A. Poncelet, J. Rubay, P. Noirhomme, G. El Khoury; Brussels (Belgium)  
*Discussant:* H. Schäfers, Homburg/Saar
- 14:55 Aortic valve repair in asymptomatic patients with severe aortic valve regurgitation: long term results  
K. Fattouch<sup>1</sup>, S. Castrovinci<sup>2</sup>, G. Murana<sup>2</sup>, P. Dioguardi<sup>3</sup>, F. Guccione<sup>3</sup>, M. Moscarelli<sup>4</sup>, G. Nasso<sup>5</sup>, G. Speziale<sup>5</sup>; <sup>1</sup>palermo (Italy), <sup>2</sup>Bologna (Italy), <sup>3</sup>Palermo (Italy), <sup>4</sup>London (United Kingdom), <sup>5</sup>bari (Italy)  
*Discussant:* U. Rosendahl, London
- 15:10 Aortic valvuloplasty for aortic insufficiency  
M. MUKAIDA<sup>1</sup>, K. Kawazoe<sup>2</sup>, J. Koizumi<sup>1</sup>, T. Kamada<sup>1</sup>, J. Tsuboi<sup>1</sup>, A. Ikai<sup>1</sup>, H. Okabayashi<sup>1</sup>; <sup>1</sup>Morioka (Japan), <sup>2</sup>Tokyo (Japan)  
*Discussant:* E. Lansac, Paris
- 15:25 Long-term results of the David Procedure in patients with acute Type A aortic dissection  
N. Monsefi<sup>1</sup>, A. Miskovic<sup>2</sup>, R. Salem<sup>2</sup>, A. Moritz<sup>2</sup>, A. Zierer<sup>2</sup>; <sup>1</sup>Frankfurt (Germany), <sup>2</sup>Frankfurt a.M. (Germany)  
*Discussant:* W. Morshuis, Nieuwegein
- 15:40 Wrap up  
L. de Kerchove, Brussels

#### 14:15 - 15:45

##### **What is the benefit of a radial conduit?**

Moderators: J. Dunning, Middlesbrough; B. Buxton, Victoria

Learning objectives:

- *Outcomes with radial artery conduit*
- *Debate on best 3rd conduit*

- 14:15 Is the vein a bad conduit?

- G. Angelini, Bristol
- 14:30 Is the radial artery associated with improved survival in older patients undergoing coronary artery bypass grafting? A propensity-score analysis of a multicentre experience.  
W. Shi, P. Hayward, A. Newcomb, J. Fuller, A. Rosalion, J. Tatoulis, B. Buxton; Melbourne (Australia)  
*Discussant*: G. Tavilla, Leiden
- 14:45 The Second Best Arterial Graft to the Left Coronary System in Off-Pump Bypass Surgery: A Propensity Analysis of the Radial Artery with a Proximal Anastomosis to the Ascending Aorta versus the Right Internal Thoracic Artery.  
H. Tsuneyoshi, T. Komiya, T. Shimamoto; Kurashiki (Japan)  
*Discussant*: J. Grandjean,
- 15:00 Radial artery versus right internal thoracic artery as the best second conduit in multi arterial CABG – a multi institutional study.  
T. A. Schwann<sup>1</sup>, S. Hashim<sup>2</sup>, M. Bonnell<sup>1</sup>, S. Badour<sup>3</sup>, M. Obeid<sup>3</sup>, R. Tranbaugh<sup>4</sup>, M. Engoren<sup>1</sup>, R. Habib<sup>3</sup>; <sup>1</sup>Toledo (United States of America), <sup>2</sup>New Haven (United States of America), <sup>3</sup>Beirut (Lebanon), <sup>4</sup>New York (United States of America)  
*Discussant*: J. Tatoulis, Melbourne
- 15:15 The Effects of Using a Radial Artery in Patients Already Receiving Bilateral Internal Mammary Arteries during Coronary Bypass Grafting: 30-Day Outcomes and 14-Year Survival in a Propensity-Matched Cohort  
J. Grau<sup>1</sup>, C. Johnson<sup>1</sup>, G. Ferrari<sup>2</sup>, R. Shaw<sup>1</sup>, M. Brizzio<sup>1</sup>, D. Flores<sup>1</sup>, D. Montgomery<sup>1</sup>, A. Zapolanski<sup>1</sup>; <sup>1</sup>Ridgewood (United States of America), <sup>2</sup>Philadelphia (United States of America)  
*Discussant*: U. Benedetto, Cambridge
- 15:30 Radial or right IMA?  
M. Grimm, Innsbruck

#### 14:15 - 15:45 New nuggets from late-breaking clinical trials

Moderators: O. Alfieri, Milan; T. M. Sundt, Boston

- 14:15 Mitral-valve repair versus replacement for severe ischemic mitral regurgitation  
I. Kron, Charlottesville
- 14:25 Critical review  
R. Klautz, Leiden
- 14:30 Early surgery vs watchful waiting and outcomes for asymptomatic mitral regurgitation  
R. Suri, Rochester
- 14:40 Critical review  
A. Vahanian, Paris
- 14:45 Mechanical valves - Reduced anticoagulation PROACT (Dabigatran)  
J. Puskas, Atlanta
- 14:55 Critical review  
A. P. Kappetein, Rotterdam
- 15:00 Transcatheter aortic valve implantation with self-expandable valve vs surgical AVR (Pivotal trial)  
M. Reardon, Houston
- 15:10 Discussion
- 15:15 Still no clear CHOICE for transcatheter aortic valve implantation? Randomized trial Corevalve vs Sapien (Choice)  
A. Vahanian, Paris
- 15:25 Discussion
- 15:30 Reducing blood transfusion following cardiac surgery (TiTRE)  
G. Murphy, Leicester
- 15:40 Critical review  
A. Jeppsson, Goteborg

#### 14:15 - 15:45 Challenges and opportunities in modern AF surgery

Moderators: S. Benussi, Milan; J. Pepper, London

- 14:15 Present and future of AF surgery for lone AF: success and limitations of catheter ablation  
P. Della Bella, Milan
- 14:30 Single stage hybrid close-chest stand-alone AF ablation  
M. La Meir, NA
- 14:45 Multidisciplinary staged approach to lone AF. Is there still a role for maze surgery?  
S. Benussi, Milan
- 15:00 Why concomitant AF Ablation is offered to a minority of patients: Technical aspects and patient selection for a successful treatment  
S. Nashef, Cambridge
- 15:15 Guidelines and real life in AF treatment: time for a change  
M. Castella, Barcelona
- 15:30 Discussion

#### 16:00 - 17:30

##### Left ventricular assist device 2

Moderators: M. Strüber, LEIPZIG; M. Siepe, Freiburg

Learning objectives:

- Improving left ventricular assist device therapy
- Data management in left ventricular assist device therapy



- 16:00 Chronic animal experience with the CARMAT bioprosthetic artificial heart  
C. Latremouille<sup>1</sup>, D. Duveau<sup>2</sup>, B. Cholley<sup>1</sup>, L. Zilberstein<sup>3</sup>, P. Bruneval<sup>1</sup>, J. Perles<sup>4</sup>, P. Jansen<sup>5</sup>, A. Carpentier<sup>1</sup>; <sup>1</sup>Paris (France), <sup>2</sup>Nantes (France), <sup>3</sup>Maisons-Alfort (France), <sup>4</sup>Velizy (France), <sup>5</sup>Vélizy Villacoublay (France)  
*Discussant:* G. Dellgren, Göteborg
- 16:15 Temporary Extracorporeal Membrane Oxygenation Support for Right Ventricular Failure after Left Ventricular Assist Device Implantation  
J. Riebandt, T. Haberl, D. Wiedemann, P. Simon, R. Moayedifar, T. Schloegelhofer, G. Laufer, D. Zimpfer; Vienna (Austria)  
*Discussant:* A. Lichtenberg, Duesseldorf
- 16:30 Euromacs, a growing EACTS data registry  
T. de By<sup>1</sup>, P. Mohacsi<sup>1</sup>, J. Gummert<sup>2</sup>, L. Martinelli<sup>3</sup>, I. Netuka<sup>4</sup>, B. Meyns<sup>5</sup>, R. Hetzer<sup>1</sup>, P. Leprince<sup>6</sup>; <sup>1</sup>Berlin (Germany), <sup>2</sup>Bad Oeynhausen (Germany), <sup>3</sup>Milan (Italy), <sup>4</sup>Prague (Czech Republic), <sup>5</sup>Leuven (Belgium), <sup>6</sup>Paris (France)  
*Discussant:* T. Bottio, Padova
- 16:45 NSE correlates to laboratory markers of hemolysis in patients on long-term circulatory support  
C. Heilmann, C. Benk, R. Klemm, G. Trummer, M. Berchtold-Herz, F. Beyersdorf, U. Geisen; Freiburg (Germany)  
*Discussant:* M. Pilato,
- 17:00 Impact of Intra-Aortic Balloon Pump on In-Hospital Outcome in Adult Patients Submitted to Veno-Arterial ECMO: Data from the Extracorporeal Life Support Organization (ELSO) Registry  
R. Lorusso<sup>1</sup>, A. Renzulli<sup>2</sup>, S. Gelsomino<sup>3</sup>, O. Parise<sup>3</sup>, E. Vizzardi<sup>1</sup>, P. Rycus<sup>4</sup>, M. Di Mauro<sup>5</sup>, R. Thiagarajan<sup>6</sup>; <sup>1</sup>Brescia (Italy), <sup>2</sup>Catanzaro (Italy), <sup>3</sup>Maastricht (Netherlands), <sup>4</sup>Ann Arbor (United States of America), <sup>5</sup>L'Aquila (Italy), <sup>6</sup>Boston (United States of America)  
*Discussant:* S. Tsui, Cambridge

**16:00 - 17:30 Technical aspects of coronary bypass graft surgery**  
Moderators: D. Glineur, Bouge; O. Wendler, London

- 16:00 The way we graft now  
B. Buxton, Melbourne
- 16:10 Video: The ideal Y-Graft  
N. Doll, Stuttgart
- 16:20 Discussion
- 16:25 Wrap up  
D. Taggart, Oxford

**16:00 - 17:30 Re-evaluation of mitral valve repair and replacement**  
Moderators: M. J. Antunes, Coimbra; M. Kirsch, Paris  
Learning objectives:

- *Management of subvalvular apparatus in rheumatic mitral disease*
- *CMR in evaluation of mitral valve disease*

- 16:00 Left Ventricular Four Dimensional Flow Changes Following Undersized Mitral Annuloplasty  
J. McGarvey, D. Zhang, W. Witschey, N. Kondo, C. Aoki, M. Gillespie, J. Gorman, R. Gorman; Philadelphia (United States of America)  
*Discussant:* R. Klautz, Leiden
- 16:15 Comparison between Posterior Leaflet and Complete Preservation versus Complete Resection of the Subvalvular Apparatus during Mitral Valve Replacement in Rheumatic Patients with a "Stenosis-Dominant" Valve  
F. Roshanali, M. H. Mandegar, B. Moradi; Tehran (Iran)  
*Discussant:* M. Sitges, Barcelona
- 16:30 Preservation of the sub-valvular apparatus during mitral valve replacement of rheumatic valves does not improve long-term survival  
G. Freitas Coutinho, V. Bihun, P. Correia, P. Antunes, M. Antunes; Coimbra (Portugal)  
*Discussant:* I. Kron, Charlottesville
- 16:45 Mitraclip therapy and surgical edge-to-edge repair in patients with severe left ventricular dysfunction and secondary mitral regurgitation: mid-term results of a single center experience.  
M. De Bonis, M. Taramasso, E. Lapenna, P. Denti, G. La Canna, F. Pappalardo, M. Cioni, O. Alfieri; Milan (Italy)  
*Discussant:* A. Calafiore, 11482
- 17:00 Evaluation of risk factors for recurrence of ischemic mitral regurgitation after undersized mitral ring annuloplasty using cardiovascular magnetic resonance imaging  
S. Yamazaki<sup>1</sup>, H. Yaku<sup>2</sup>, K. Doi<sup>3</sup>, S. Numata<sup>3</sup>, T. Yamamoto<sup>3</sup>, T. Kobayashi<sup>3</sup>, K. Manabe<sup>3,1</sup>; <sup>1</sup>Fukui (Japan), <sup>2</sup>8566 (Japan), <sup>3</sup>Kyoto (Japan)  
*Discussant:* V. Delgado, Leiden
- 17:15 Surgical Treatment of Posterior Mitral Valve Prolapse. Towards hundred percent repair  
P. Correia<sup>1</sup>, G. Freitas Coutinho<sup>1</sup>, C. Branco<sup>2</sup>, A. L. Garcia<sup>2</sup>, M. Antunes<sup>1</sup>; <sup>1</sup>Coimbra (Portugal), <sup>2</sup>coimbra (Portugal)  
*Discussant:* Y. . J. Woo,

**16:00 - 17:30 Treating Mitral regurgitation in 2014 with Percutaneous Mitral Valve Repair**

Moderators: A.P. Kappetein, Rotterdam  
Panel: R.S. Von Bardeleben, C. Tschöpp

Learning Objectives:  
-Multidisciplinary team approach matters

-MitraClip = Expansion of treatment options for your patient -Why surgeons are key

WHO can we treat or refer for MitraClip ?(5 patients groups)& Case(s) discussion

A. Vahanian, Paris

WHEN can we treat with or refer for MitraClip?& Case(s) discussion

F. Maisano, Zurich

WHY should I treat with or refer my patient to MitraClip? & Case(s) discussion

H. Treede, Hamburg

#### 16:00 - 17:30

##### **Transcatheter aortic valve implantation and its place in the contemporary treatment**

Moderators: M. Thielmann, Essen; V. Falk, Zurich

Learning objectives:

- *Transcatheter aortic valve implantation outcomes update*

16:00 No difference in outcome at 5-years after transfemoral and transapical TAVI in more than 1000 patients

S. Bleiziffer<sup>1</sup>, Y. Elhmidi<sup>1</sup>, M. Dorfmeister<sup>1</sup>, D. Mazzitelli<sup>1</sup>, H. Ruge<sup>1</sup>, D. Vincze<sup>1</sup>, N. Piazza<sup>2</sup>, R. Lange<sup>1</sup>; <sup>1</sup>Munich (Germany), <sup>2</sup>Montreal (Canada)

*Discussant:* M. Wilbring, Dresden

16:15 European Real World Transcatheter aortic valve implantation. Systematic Review and meta-analysis of European National Registries.

U. Benedetto<sup>1</sup>, G. Biondi-Zoccai<sup>2</sup>, E. Tonelli<sup>2</sup>, G. Frati<sup>2</sup>; <sup>1</sup>Cambridge (United Kingdom), <sup>2</sup>Rome (Italy)

*Discussant:* M. Zembala, Tarnowskie Góry

16:30 The Italian Transcatheter balloon-Expandable valve Registry (ITER): First Report

S. Salizzoni, TURIN (Italy)

*Discussant:* J. Goiti, Bilbao

16:45 One year registry outcomes of the recently approved transapical ACURATE TAVI device

J. Kempfert<sup>1</sup>, D. Holzhey<sup>2</sup>, S. Hoffmann<sup>3</sup>, E. Girdauskas<sup>4</sup>, H. Treede<sup>5</sup>, H. Schroefel<sup>6</sup>, M. Thielmann<sup>7</sup>, T. Walther<sup>1</sup>; <sup>1</sup>Bad Nauheim (Germany), <sup>2</sup>Leipzig (Germany), <sup>3</sup>Bad Rothenfelde (Germany), <sup>4</sup>Bad Berka (Germany), <sup>5</sup>Hamburg (Germany), <sup>6</sup>Karlsruhe (Germany), <sup>7</sup>Essen (Germany)

*Discussant:* C. Huber, Bern

17:00 Quality of life in 3875 patients after Transcatheter Aortic Valve Implantation– 1-year-data from the German Aortic Valve Registry

R. Lange<sup>1</sup>, A. Beckmann<sup>2</sup>, T. Neumann<sup>3</sup>, M. Krane<sup>1</sup>, R. Zahn<sup>4</sup>, J. Cremer<sup>5</sup>, C. Hamm<sup>6</sup>, F. Mohr<sup>7</sup>; <sup>1</sup>Munich (Germany), <sup>2</sup>Berlin (Germany), <sup>3</sup>Essen (Germany), <sup>4</sup>Ludwigshafen (Germany), <sup>5</sup>Kiel (Germany), <sup>6</sup>Bad Nauheim (Germany), <sup>7</sup>Leipzig (Germany)

*Discussant:* O. Shapira, Jerusalem

17:15 Safety and effectiveness of transaortic approach for TAVI.Procedural and midterm outcomes of 232 consecutive patients at a single center

M. Romano<sup>1</sup>, A. DaPrati<sup>2</sup>, F. Tizzano<sup>1</sup>, D. Le Houérou<sup>2</sup>, A. Farge<sup>2</sup>, T. Lefèvre<sup>2</sup>, B. Chevalier<sup>2</sup>, M. C. Morice<sup>2</sup>; <sup>1</sup>MASSY (France), <sup>2</sup>Massy (France)

#### 16:00 - 17:30 Guidelines

Moderators: J. T. Cremer, Kiel; A. Vahanian, Paris

16:00 The new EACTS/ESC Coronary guidelines: Surgeon perspective

P. Kolh, Liege

16:10 The new EACTS/ESC Coronary guidelines: Cardiologist perspective

S. Windecker, Berne

16:20 EACTS/ESC Coronary guidelines 2014: What are the unanswered questions - Cardiologist perspective

G. Stefanini, Bern

16:25 EACTS/ESC Coronary guidelines 2014: What are the unanswered questions - Surgical perspective

S. Head, Rotterdam

16:30 New guidelines in US: European guidelines 2 years old - Valvular guidelines

T. Sundt, Boston

16:40 New guidelines in US: European guidelines 2 years old - Overview of both guidelines

J. Vanoverschelde, Brussels

16:45 Discussion

16:50 New risk stratification model in the US valvular guidelines

N. Van Mieghem, Rotterdam

17:00 Discussion

17:05 How to implement guidelines (tape interview)

B. Keogh<sup>1</sup>, J. Pepper<sup>2</sup>; <sup>1</sup>Leeds, <sup>2</sup>London

17:20 Discussion

## Tuesday 14 October 2014 Acquired Cardiac Disease Programme

### 08:15 - 09:45 Part I: Catheter based mitral interventions the mitral going transcutaneous

Moderators: J. Seeburger, Leipzig; F. Maisano, Zurich

Panel: M. De Bonis, Milan; O. Franzen, Hamburg; O. Jegaden, Lyon; H. Treede, Hamburg

08:15 The long and winding road

A. Vahanian, Paris

08:30 Panel discussion

08:40 Surgical options after unsuccessful mitral clipping - repair or replace

M. Schmoeckel, S. Geidel; Hamburg

08:55 Panel discussion

### 10:15 - 11:45 Part II: Catheter based mitral interventions the mitral going transcutaneous

Moderators: J. Seeburger, Leipzig; F. Maisano, Zurich

Panel: O. Franzen, Hamburg; O. Jegaden, Lyon; H. Treede, Hamburg

10:15 Percutaneous annuloplasty

F. Maisano, Zurich

10:30 Panel discussion

10:40 Video: Valve in ring

D. Holzhey, Leipzig

10:50 Panel discussion

### 08:15 - 09:45

#### Basic Science: Genes, cells and drugs

Moderators: P. Menasche, Paris; G. Steinhoff, Rostock

Learning objectives:

- To learn about experimental evaluation of potential future treatments

08:15 Metagenomic analysis of native- and prosthetic-valve infective endocarditis

A. Oberbach, S. Feder, J. Neuhaus, N. Schlichting, Y. Kullnick, F. Mohr; Leipzig (Germany)

*Discussant:* A. C. Deppe, Cologne

08:30 Tissue Engineered Mitral Valve: Morphology and Biomechanics.

P. Yablonski<sup>1</sup>, S. Cebotari<sup>2</sup>, I. Tudorache<sup>2</sup>, M. Granados<sup>2</sup>, L. Morticelli<sup>2</sup>, S. Korossis<sup>2</sup>, A. Hilfiker<sup>2</sup>, A. Haverich<sup>2</sup>, <sup>1</sup>St-Petersburg (Russian Federation), <sup>2</sup>Hannover (Germany)

*Discussant:* S. Hoerstrup,

08:45 Mesenchymal Stem Cell Transplantation Enhance Frequency of M2 polarized Macrophages in the Peri-Infarct Region and Attenuate Scar Formation

K. Neef<sup>1</sup>, A. C. Deppe<sup>1</sup>, C. Stamm<sup>2</sup>, E. Kuhn<sup>1</sup>, M. Scherner<sup>1</sup>, T. Wittwer<sup>1</sup>, T. Wahlers<sup>1</sup>, Y. Choi<sup>1</sup>; <sup>1</sup>Cologne (Germany), <sup>2</sup>Berlin (Germany)

*Discussant:* G. Pompilio,

09:00 A Novel Model Of Murine Ascending Aortic Aneurysm

G. Bianchi<sup>1</sup>, A. Pucci<sup>2</sup>, V. Lionetti<sup>2</sup>, M. Solinas<sup>3</sup>, M. Glauber<sup>3</sup>; <sup>1</sup>Massa (Italy), <sup>2</sup>Pisa (Italy), <sup>3</sup>Massa (Italy)

*Discussant:* H. Tevaearai, Berne

09:15 Serotonin Signaling and Mitral Valve Prolapse: ovine and murine models reveal sheared molecular mechanisms to human pathological remodeling

G. Ferrari, K. Driesbaugh, M. Lee, E. Branchetti, R. Gorman, J. Gorman, J. Bavaria, R. Levy; Philadelphia (United States of America)

*Discussant:* S. Ensminger, na

09:30 The Effects of Losartan in Preserving the Structural Integrity of Decellularized Small Diameter Vascular Allograft Conduit Implants

S. H. Lee, S. J. Choo; Seoul (Korea)

*Discussant:* F. Schoenhoff, Bern

### 08:15 - 09:45 Films

Moderators: R. Poffo, São Paulo; T. Martens, Gentbrugge

08:15 A new anastomotic option for severely calcified aortas: double-folded adventitial anastomosis

H. Kurazumi<sup>1</sup>, A. Mikamo<sup>2</sup>, T. Kudo<sup>2</sup>, R. Suzuki<sup>2</sup>, M. Takahashi<sup>2</sup>, B. Shirasawa<sup>2</sup>, K. Hamano<sup>2</sup>; <sup>1</sup>Ube city (Japan), <sup>2</sup>Ube City (Japan)

08:27 Transapical approach in redo myectomy for hypertrophic cardiomyopathy

E. Quintana, J. Dearani, H. Schaff; Rochester (United States of America)

08:39 Knack and pitfalls of off-pump Waffle procedure for constrictive pericarditis

K. Matsuura<sup>1</sup>, K. Mogi<sup>2</sup>, M. Sakurai<sup>2</sup>, Y. Takahara<sup>2</sup>; <sup>1</sup>Kanasugi, Funabashi City (Japan), <sup>2</sup>Funabashi City, Chiba (Japan)

08:51 Reconstructive Surgery in Adults with Congenital Mitral Valve Disease

J. G. Castillo<sup>1</sup>, G. Torregrossa<sup>1</sup>, A. C. Anyanwu<sup>2</sup>, D. H. Adams<sup>2</sup>; <sup>1</sup>New York City (United States of America), <sup>2</sup>New York (United States of America)

- 09:03 Repair of a Dilated Ross Autograft Using Aortic Ring Annuloplasty and Root Restoration  
D. Mazzitelli<sup>1</sup>, J. Hoerer<sup>1</sup>, J. S. Rankin<sup>2</sup>, C. Nöbauer<sup>1</sup>, R. Lange<sup>1</sup>, C. Schreiber<sup>1</sup>; <sup>1</sup>Munich (Germany), <sup>2</sup>Nashville (United States of America)
- 09:15 Resect or respect strategy of Miral annular calcification for the patients with mitral regurgitation or stenosis  
F. Nomura<sup>1</sup>, M. Suzuki<sup>2</sup>, A. Adachi<sup>1</sup>, Y. Ohkawa<sup>1</sup>, K. Sugiki<sup>1</sup>, T. Kazui<sup>1</sup>, T. Ohno<sup>1</sup>; <sup>1</sup>Sapporo (Japan), <sup>2</sup>Hamamatsu (Japan)

#### 08:15 - 09:45

##### **Congenital aortic valve disease & Ross**

Learning objectives:

- To define the role of the Ross procedure
- The role of red blood cell distribution in risk assessment

- 08:15 A multicenter evaluation of the autograft procedure for young patients undergoing aortic valve replacement: Results from the German Ross Registry  
H. Sievers<sup>1</sup>, E. Charitos<sup>2</sup>, M. Albert<sup>3</sup>, U. Franke<sup>3</sup>, U. Stierle<sup>1</sup>, J. Hörer<sup>4</sup>, R. Lange<sup>4</sup>, W. Hemmer<sup>3</sup>; <sup>1</sup>Luebeck (Germany), <sup>2</sup>Lübeck (Germany), <sup>3</sup>Stuttgart (Germany), <sup>4</sup>Munich (Germany)  
*Discussant:* J. J. M. Takkenberg, Rotterdam
- 08:30 the ross procedure in young adults: over twenty-year experience in a single centre  
S. Mastrobuoni, L. De Kerchove, S. Solari, P. Astarci, A. Poncelet, P. Noirhomme, J. Rubay, G. El Khoury; Brussels (Belgium)  
*Discussant:* H. Sievers, Luebeck
- 08:45 Seventeen years single centre experience with the Ross procedure: Fulfilling the promise of a long lasting option without anticoagulation?  
A. Miskovic<sup>1</sup>, N. Monsefi<sup>2</sup>, A. Karimian-Tabrizi<sup>1</sup>, A. Zierer<sup>1</sup>, A. Moritz<sup>1</sup>; <sup>1</sup>Frankfurt am Main (Germany), <sup>2</sup>Frankfurt (Germany)  
*Discussant:* A. Franco-Cereceda, Stockholm
- 09:00 Bicuspid aortic valve disease and ascending aortic aneurysm: should the aortic root replacement be mandatory?  
I. Vendramin<sup>1</sup>, M. Meneguzzi<sup>2</sup>, S. Sponga<sup>2</sup>, E. Pompei<sup>2</sup>, M. Maiani<sup>2</sup>, U. Livi<sup>2</sup>; <sup>1</sup>33100 (Italy), <sup>2</sup>Udine (Italy)  
*Discussant:* L. Menicanti, Milan
- 09:15 Red blood cell distribution width predicts morbidity and mortality after aortic valve replacement  
C. Pisano, C. R. Balistreri, D. Merlo, V. Argano, O. F. Triolo, C. Palmeri, E. Tulumello, G. Ruvolo; Palermo (Italy)  
*Discussant:* G. Murphy, Leicester
- 09:30 Who benefits from the Ross procedure  
H. Sievers, Luebeck

#### 08:15 - 09:45

##### **Hot strategies in complex cardiac surgery**

Moderators: M. Borger, Leipzig; F. Eckstein, Basel

- 08:15 Aortic wall thickness as a parameter in pathogenesis of acute aortic dissection  
J. Benedik, F. Mourad, D. Wendt, K. Pilarczyk, K. Tsagakis, D. Dohle, H. Baba, H. Jakob; Essen (Germany)  
*Discussant:* E. Girdauskas, Bad Berka
- 08:30 A Multiple Patch Technique for the Treatment of Ischemic Ventricular Septum Defects or Contained Ventricular Rupture  
G. Faerber, A. Moschovas, M. Diab, T. Doenst; Jena (Germany)  
*Discussant:* J. Verhoye, RENNES CEDEX 10
- 08:45 Cardiomyopathy in Marfan Syndrome  
R. Hetzer, G. Siegel, P. Gehle, E. M. Delmo Walter; Berlin (Germany)  
*Discussant:* F. Kari, Freiburg
- 09:00 Managing Distal Arch Tears in Debakey I Aortic Dissection - Cut or Stent?  
P. Vallabhajosyula<sup>1</sup>, J. D. Robb<sup>1</sup>, R. Menon<sup>1</sup>, J. Gottret<sup>1</sup>, N. Desai<sup>1</sup>, W. Szeto<sup>1</sup>, A. Pochettino<sup>2</sup>, J. Bavaria<sup>1</sup>; <sup>1</sup>Philadelphia (United States of America), <sup>2</sup>Rochester (United States of America)  
*Discussant:* M. Shrestha, Hannover
- 09:15 Redo After Acute type A Aortic Dissection: early results from a multicenter real-world experience  
A. M. Dell'Aquila<sup>1</sup>, G. Santarpino<sup>2</sup>, K. Fattouch<sup>3</sup>, G. Speziale<sup>4</sup>, T. Fischlein<sup>5</sup>, S. Martens<sup>1</sup>, G. Concistré<sup>5</sup>, T. Regesta<sup>6</sup>; <sup>1</sup>Münster (Germany), <sup>2</sup>Schwannstetten (Germany), <sup>3</sup>Palermo (Italy), <sup>4</sup>Bari (Italy), <sup>5</sup>Nuremberg (Germany), <sup>6</sup>Genova (Italy)
- 09:30 Noble method of assessment for ascending aortic dilatation with the bicuspid aortic valve  
K. Hattori, K. Daitoku, W. Fukuda, M. Minakawa, Y. Suzuki, I. Fukuda; Hiroaki (Japan)  
*Discussant:* B. Skrbic, OSLO

#### 08:15 - 09:45

##### **Aortic valve repair - Repair is for everyone**

Moderators: J. Pepper, London; H. Schäfers, Homburg/Saar; A. Oo, Liverpool

- 08:15 Technique of aortic valve repair  
E. Lansac, Paris
- 08:30 Video: Aortic valve sparing operation (David)  
U. Rosendahl, London
- 08:45 All valves are equal - repair in bicuspid  
L. de Kerchove, Brussels
- 09:00 Repair for aortic stenosis  
P. Urbanski, Bad Neustadt
- 09:15 Long term results of leaflet repair  
G. El Khoury, Brussels
- 09:30 A word of caution  
T. Modine, LILLE

09:40 Wrap up  
J. Pepper, London

#### 10:15 - 11:45

##### **Coronary Surgery - Quality matters**

Moderators: B. Buxton, Victoria; T. Modine, LILLE

- 10:15 Ensuring graft patency a must  
T. Kieser, Calgary
- 10:25 Video: Intraoperative angiography in hybrid  
S. Jacobs, Zurich
- 10:35 Discussion
- 10:40 Video: Skeletonize and T-it!  
F. Panagopoulos, GREECE
- 10:50 Discussion
- 10:55 Carotid artery screening at the time of coronary artery bypass- does it influence neurological outcomes?  
P. Narayan<sup>1</sup>, M. Khan<sup>2</sup>, D. Das<sup>2</sup>, S. Roy Chowdhury<sup>2</sup>, M. Das<sup>2</sup>, E. Rupert<sup>2</sup>; <sup>1</sup>Bristol (United Kingdom), <sup>2</sup>Kolkata (India)  
*Discussant:* M. Sousa Uva, Lisboa
- 11:10 The impact of a modified Safe Surgery Saves Lives checklist developed specifically for the cardiac surgical patient  
H. Loeblein<sup>1</sup>, O. Dzembali<sup>2</sup>, K. Graves<sup>2</sup>, M. Yilmaz<sup>2</sup>, M. Genoni<sup>2</sup>; <sup>1</sup>Zürich (Switzerland), <sup>2</sup>Zurich (Switzerland)  
*Discussant:* M. Kaljusto, Toronto
- 11:25 Cost-benefit of endoscopic vein harvesting in high-risk patients undergoing CABG  
P. Kaur<sup>1</sup>, H. Luckraz<sup>2</sup>, K. Nagarajan<sup>1</sup>, A. Nevill<sup>2</sup>, K. Saleem<sup>1</sup>, M. Waterfall<sup>1</sup>, W. Pugsley<sup>1</sup>, M. Bhabra<sup>1</sup>; <sup>1</sup>West Midlands (United Kingdom), <sup>2</sup>Wolverhampton (United Kingdom)  
*Discussant:* R. Osnabrugge, Rotterdam
- 11:40 Wrap up  
M. Siepe, Freiburg

#### 10:15 - 11:45

##### **The tricuspid - a continuing problem**

Moderators: R. Klautz, Leiden; F. Casselman, AALST

Learning objectives:

- *To assess the fate of untreated less than severe tricuspid regurgitation*

- 10:15 Untreating mild to moderate tricuspid regurgitation in dilated cardiomyopathy patients submitted to mitral repair: what happens at long-term.  
M. De Bonis<sup>1</sup>, E. Lapenna<sup>1</sup>, T. Nisi<sup>1</sup>, A. Giacomini<sup>1</sup>, M. Calabrese<sup>1</sup>, A. Miceli<sup>2</sup>, O. Alfieri<sup>1</sup>, M. Glauber<sup>2</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>Massa (Italy)  
*Discussant:* J. Kluin, Utrecht
- 10:30 Redo Tricuspid Valve Surgery After Tricuspid Valve Repair : Re-Repair Versus Replacement  
H. Y. Hwang, K. Kim, K. Kim, H. Ahn; Seoul (Korea)  
*Discussant:* M. Borger, Leipzig
- 10:45 Effect of pulmonary hypertension on ovine tricuspid annular dynamics  
M. Malinowski<sup>1</sup>, P. Wilton<sup>2</sup>, A. Khaghani<sup>2</sup>, D. Langholz<sup>2</sup>, V. Hooker<sup>2</sup>, L. Eberhart<sup>2</sup>, R. Hooker<sup>2</sup>, T. Timek<sup>2</sup>; <sup>1</sup>Katowice (Poland), <sup>2</sup>Grand Rapids (United States of America)  
*Discussant:* T. Wahlers, Cologne
- 11:00 Functional and Biomechanical Performance of Stentless Extracellular Matrix Tricuspid Tubegraft in Pigs  
D. Ropcke<sup>1</sup>, C. Ilkjaer<sup>1</sup>, T. Hejslet<sup>1</sup>, A. Soerensen<sup>1</sup>, H. Jensen<sup>1</sup>, M. Jensen<sup>2</sup>, V. Hjortdal<sup>1</sup>, S. Nielsen<sup>1</sup>; <sup>1</sup>Aarhus N (Denmark), <sup>2</sup>Atlanta (United States of America)  
*Discussant:* T. Doenst, Jena
- 11:15 Prognostic impact and late evolution of untreated moderate functional tricuspid regurgitation in patients undergoing aortic valve replacement  
M. Taramasso<sup>1</sup>, M. De Bonis<sup>1</sup>, A. Pozzoli<sup>1</sup>, D. Schiavi<sup>1</sup>, A. Latib<sup>1</sup>, N. Buzzatti<sup>2</sup>, G. La Canna<sup>1</sup>, O. Alfieri<sup>1</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>Milano (Italy)  
*Discussant:* T. Folliquet, Vandoeuvre les Nancy Cedex
- 11:30 Prophylactic tricuspid annuloplasty in patients with mild tricuspid regurgitation undergoing double valve replacement  
D. S. Jeong, K. Sung, P. W. Park; Seoul (Korea)  
*Discussant:* R. Dion, Genk

#### 10:15 - 11:45

##### **Transcatheter aortic valve implantation: the treatment of choice**

Moderators: V. N. Bapat, London; T. Walther, Bad Nauheim

Learning objectives:

- *Technical aspects of Transcatheter aortic valve implantation*
- *Changing strategy for aortic stenosis*

- 10:15 Transcatheter Valve-in-Valve (VIV) Implantation. Experience with 4 Different Catheter Valves in 3 Different Bioprostheses  
D. Camboni, A. Holzamer, K. Debl, L. Meier, Y. Zausig, C. Schmid, M. Hilker; Regensburg (Germany)  
*Discussant:* J. Verhoye, RENNES CEDEX 10

- 10:30 What is the best surgical strategy for aortic disease in redo-scenarios? A comparison between traditional aortic valve replacement and transapical-TAVI from two real-world multicenter surgical registries.  
E. ONORATI<sup>1</sup>, A. D'Onofrio<sup>2</sup>, G. Gerosa<sup>3</sup>, G. Faggian<sup>1</sup>; <sup>1</sup>Verona (Italy), <sup>2</sup>Padova (Italy), <sup>3</sup>Padua (Italy)  
*Discussant:* A. Kar, Edinburgh
- 10:45 Propensity matched comparison of two different transapical T-AVI Systems  
J. Kempfert, A. Meyer, W. Kim, A. van Linden, M. Arsalan, J. Blumenstein, H. Möllmann, T. Walther; Bad Nauheim (Germany)  
*Discussant:* P. Suwalski, Warsaw
- 11:00 CT-based calculation of the "Line of Perpendicularity" and "Implanter's views" in patients prior to Transcatheter Aortic Valve Implantation  
A. Holzamer<sup>1</sup>, O. Husser<sup>2</sup>, D. Camboni<sup>1</sup>, C. Hengstenberg<sup>2</sup>, K. Debl<sup>1</sup>, C. Schmid<sup>1</sup>, M. Hilker<sup>1</sup>; <sup>1</sup>Regensburg (Germany), <sup>2</sup>Munich (Germany)  
*Discussant:* M. Johansson, Lund
- 11:15 Post mortem Computed Tomography (PMCT) and PMCT Angiography following Transcatheter Aortic Valve Implantation (TAVI)  
B. Vogel, A. Heinemann, H. Gulbins, H. Treede, H. Reichensperner, K. Püschel, H. Vogel; Hamburg (Germany)  
*Discussant:* N. Al Attar, Glasgow
- 11:30 Conventional vs. Transapical Aortic Valve Replacement – Is It Time for Indication Shift?  
S. Ahad<sup>1</sup>, H. Baumbach<sup>1</sup>, S. Hill<sup>1</sup>, T. Schaeufele<sup>1</sup>, M. Beyer<sup>2</sup>, R. Berroth<sup>3</sup>, U. Franke<sup>1</sup>; <sup>1</sup>Stuttgart (Germany), <sup>2</sup>Kirchheim unter Teck (Germany), <sup>3</sup>Ludwigsburg (Germany)  
*Discussant:* E. Ferrari, Lausanne

#### 10:15 - 11:45

##### **Surgical remodelling of the left ventricle**

Moderators: L. Menicanti, ; J. S. Coselli, Houston

Learning objectives:

- *New ways to restore the left ventricle*
- *Conventional surgical option for terminal heart failure*

- 10:15 Left ventricular reconstruction
- 10:30 Safety of a Novel Surgical Therapy for the Treatment of Advanced Heart Failure: Review of surgical morbidity and mortality of Algisyl-LVR from the AUGMENT-HF Trial  
L. Menicanti<sup>1</sup>, I. Mocanu<sup>2</sup>, F. Miraldi<sup>3</sup>, S. Marasco<sup>4</sup>, A. Hinson<sup>5</sup>, R. Lee<sup>6</sup>, H. Sabbah<sup>7</sup>, D. Mann<sup>8</sup>; <sup>1</sup>San Donato (Italy), <sup>2</sup>Bucharest (Romania), <sup>3</sup>Rome (Italy), <sup>4</sup>Melbourne (Australia), <sup>5</sup>Mason (United States of America), <sup>6</sup>San Francisco (United States of America), <sup>7</sup>Detroit (United States of America), <sup>8</sup>St. Louis (United States of America)  
*Discussant:* M. Kamler, Essen
- 10:45 Improved Results 12 Years After Surgical Ventricular Restoration: Significance Of The Evolving Concept Of Reshaping Compared To The Volume Reduction Approach  
G. Stefanelli<sup>1</sup>, F. Pirro<sup>1</sup>, C. Labia<sup>1</sup>, P. Giovanardi<sup>2</sup>, G. Gioia<sup>1</sup>; <sup>1</sup>Modena (Italy), <sup>2</sup>NJ (United States of America)  
*Discussant:* M. Versteegh, Leiden
- 11:00 Posterior restoration procedures and the long-term results in indicated patients with dilated cardiomyopathy  
T. Isomura<sup>1</sup>, M. Hirota<sup>2</sup>, J. Hoshino<sup>2</sup>, T. Kondo<sup>2</sup>, Y. Takahashi<sup>2</sup>, M. Yoshida<sup>1</sup>; <sup>1</sup>Kanagawa (Japan), <sup>2</sup>Hayama (Japan)  
*Discussant:* H. Suma, Tokyo
- 11:15 Pre-operative trans-aortic forward flow, a predictor of surgical outcome for mitral surgery in patients with dilated cardiomyopathy and mitral regurgitation  
T. Isomura<sup>1</sup>, M. Hirota<sup>2</sup>, M. Yoshida<sup>1</sup>, J. Hoshino<sup>2</sup>, T. Kondo<sup>2</sup>, Y. Takahashi<sup>2</sup>; <sup>1</sup>Kanagawa (Japan), <sup>2</sup>Hayama (Japan)  
*Discussant:* M. Pocar, Milano
- 11:30 Left ventricular reconstruction  
P. Lunkenheimer, Muenster

#### 10:15 - 11:45 **Chronic heart failure - Welcome to the machine**

Moderators: G. Gerosa, Padua; A. R. Simon, Harefield

- 10:15 Chronic left ventricular assist device support  
T. Krabatsch, Berlin
- 10:35 Video: Less invasive sternotomy sparing (LIS) left ventricular assist device implantation  
F. Ramjankhan, Utrecht
- 10:50 Will the right ventricular make it?  
J. Lahpor, Utrecht
- 11:05 Prospects for chronic right ventricular assist device  
A. Simon, Harefield
- 11:20 The EACTS Euromacs Registry  
R. Hetzer, Berlin
- 11:35 Wrap up  
G. Gerosa, Padua

#### 10:15 - 11:45

##### **Adult Cardiac Rapid response 2**

Moderators: D. Taggart, Oxford; H. Najm, Riyadh

- 10:15 Endoaortic balloon clamping and transthoracic aortic clamping are both safe and effective in minimally invasive mitral valve surgery  
M. Rinaldi<sup>1</sup>, R. KRAKOR<sup>2</sup>, M. Bentala<sup>3</sup>, F. Casselman<sup>4</sup>, P. Candolfi<sup>5</sup>, C. Barbero<sup>6</sup>, J. Goldstein<sup>7</sup>; <sup>1</sup>Turin (Italy), <sup>2</sup>Dortmund (Germany), <sup>3</sup>breda (Netherlands), <sup>4</sup>AALST (Belgium), <sup>5</sup>Nyon (Switzerland), <sup>6</sup>Torino (Italy), <sup>7</sup>Brussels (Belgium)



- 10:24 Levosimendan does not improve outcome in patients after Adult Cardiac Surgery  
S. DEO<sup>1</sup>, J. Y. Lim<sup>2</sup>, S. E. Altarabsheh<sup>3</sup>, A. Rababa'h<sup>4</sup>, Y. H. CHO<sup>2</sup>, S. Park<sup>5</sup>; <sup>1</sup>SURAT (India), <sup>2</sup>Seoul (Korea), <sup>3</sup>Amman (Jordan), <sup>4</sup>Irbid (Jordan), <sup>5</sup>Cleveland (United States of America)
- 10:33 Cardiac surgery and pectus deformities repair: When and How?  
I. Hysi<sup>1</sup>, A. Vincentelli<sup>2</sup>, F. Juthier<sup>2</sup>, N. Rousse<sup>2</sup>, J. Frapier<sup>3</sup>, F. Doguet<sup>4</sup>, A. Prat<sup>2</sup>, A. Wurtz<sup>2</sup>; <sup>1</sup>Wattignies (France), <sup>2</sup>Lille (France), <sup>3</sup>Montpellier (France), <sup>4</sup>Rouen (France)
- 10:42 A new pressure mapping system towards optimizing cardiac prosthetic attachment  
A. Martellaro<sup>1</sup>, J. Sauer<sup>1</sup>, C. Lee<sup>2</sup>, H. Gorea<sup>1</sup>, P. Knight<sup>2</sup>; <sup>1</sup>Victor (United States of America), <sup>2</sup>Rochester (United States of America)
- 10:51 Feasibility and reliability of nurse performed pocket-size ultrasound imaging of the pleura and pericardium in patients in early phase after cardiac surgery  
A. Hammer<sup>1</sup>, T. Graven<sup>1</sup>, O. Sagen<sup>1</sup>, K. Skjetne<sup>1</sup>, J. Kleinau<sup>1</sup>, H. Dalen<sup>2</sup>; <sup>1</sup>Levanger (Norway), <sup>2</sup>Trondheim (Norway)
- 11:00 New computing technology for real time surgical outcome monitoring – a new tool for quality control and clinical research  
A. Meyer, W. Kim, M. Arsalan, A. van Linden, J. Blumenstein, H. Möllmann, T. Walther, J. Kempfert; Bad Nauheim (Germany)
- 11:09 Immediate and mid-term outcomes of cardiac surgical patients after postoperative cardiopulmonary resuscitation  
M. Wilbring, K. Alexiou, A. Schlüssler, C. Georgi, K. Matschke, S. Tugtekin; Dresden (Germany)

#### 14:15 - 15:45

##### Long term results of mitral valve surgery

Moderators: J. Obadia, Lyon

Learning objectives:

- *Optimal therapy for functional mitral regurgitation*
- *Timing of surgery for mitral valve repair*

- 14:15 Negative impact of atrial fibrillation and pulmonary hypertension after mitral valve surgery in asymptomatic patients with severe mitral regurgitation: 20-year follow-up  
G. Freitas Coutinho<sup>1</sup>, A. L. Garcia<sup>2</sup>, C. Branco<sup>2</sup>, P. Correia<sup>1</sup>, M. Antunes<sup>1</sup>; <sup>1</sup>Coimbra (Portugal), <sup>2</sup>coimbra (Portugal)  
*Discussant:* R. Rosenhek, NA
- 14:30 Mitral valve repair has better long-term outcomes compared with mitral valve replacement in elderly patients with mitral regurgitation  
H. Okamura<sup>1</sup>, A. Yamaguchi<sup>2</sup>, N. Kimura<sup>1</sup>, S. Itoh<sup>1</sup>, K. Yuri<sup>2</sup>, H. Matsumoto<sup>1</sup>, H. Adachi<sup>2</sup>; <sup>1</sup>Saitama (Japan), <sup>2</sup>8503 (Japan)  
*Discussant:* F. Ferdinand, Wynnewood
- 14:45 Minimally Invasive Mitral Valve Surgery Without Aortic Cross Clamping and With Femoral Cannulation not Associated with Increased Risk for Stroke Compared to Traditional Mitral Valve Surgery: A Propensity Score Matched Analysis  
N. Ad, S. Holmes, G. Pritchard, P. Massimiano; Falls Church (United States of America)  
*Discussant:* H. Vanermen, Woluwe Saint Lambert
- 15:00 Predictors of prolonged intensive care unit stay in patients undergoing minimally invasive right thoracotomy valve surgery: a single institution analysis with 2272 patients  
M. Murzi, A. Miceli, P. Farneti, M. Solinas, M. Glauber; Massa (Italy)  
*Discussant:* G. Fernandez, Bordeaux
- 15:15 Do repair of the mitral valve still a "gold standard" in severe ischemic mitral regurgitation?  
V. Shumavets, A. Shket, A. Janushko, I. Grinchuk, N. Semenova, Y. Ostrovski; Minsk (Belarus)  
*Discussant:* J. Braun, Leiden
- 15:30 Repair or replacement for functional mitral regurgitation  
G. Dreyfus, Monte-Carlo

#### 14:15 - 15:45

##### Developments in coronary artery bypass graft

Moderators: P. Kolh, Liege; M. Sousa Uva, Lisboa

Learning objectives:

- *On or off pump?*
  - *How to improve outcomes*
- 14:15 Current Evidence of Coronary Artery Bypass grafting Off-pump versus On-Pump: A systematic review with meta-analysis of more than 16,500 patients investigated in 66 randomized controlled trials  
A. C. Deppe, Y. Choi, W. Arbash, E. Kuhn, M. Scherner, I. Slottosch, P. Rahmanian, O. Liakopoulos, T. Wahlers; Cologne (Germany)  
*Discussant:* J. Börgemann, Bad Oeynhausen
- 14:25 Off-pump coronary artery bypass surgery is associated with lower cardiac death at 1-year: results from the on-pump vs off-pump study (ON-OFF study)  
M. Lemma<sup>1</sup>, L. Piazza<sup>2</sup>, G. Di Benedetto<sup>3</sup>, M. Rinaldi<sup>4</sup>, R. De Paulis<sup>5</sup>, C. Losito<sup>6</sup>, A. Rossi<sup>7</sup>, M. Genoni<sup>8</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>caserta (Italy), <sup>3</sup>Salerno (Italy), <sup>4</sup>Turin (Italy), <sup>5</sup>Roma (Italy), <sup>6</sup>Bari (Italy), <sup>7</sup>Sesto San Giovanni (Italy), <sup>8</sup>Zurich (Switzerland)  
*Discussant:* K. Houliand, Risskov
- 14:40 Changes in cerebral oximetry & haemodynamics during OPCAB - mechanism for perioperative stroke?  
T. Al-Badawi, S. Witts, L. Howell, R. Richards, C. Rozario, M. Hartley, A. Tang; Blackpool (United Kingdom)  
*Discussant:* Z. Colak,
- 14:55 Influence of Previous Percutaneous Coronary Intervention on Clinical Outcome of Coronary Artery Bypass Grafting -A Meta-Analysis of Comparative Studies-  
C. Ueki<sup>1</sup>, G. Sakaguchi<sup>2</sup>, T. Akimoto<sup>1</sup>, T. Shintani<sup>1</sup>, Y. Ohashi<sup>1</sup>, H. Sato<sup>1</sup>; <sup>1</sup>Shizuoka City (Japan), <sup>2</sup>Kurashiki (Japan)  
*Discussant:* O. Deutsch, München

#### 14:15 - 15:45 Transcatheter heart valve therapy: a look to the future

Moderators: M. De Bonis, Milan; A. Vahanian, Paris

- 14:15 **Trans-catheter aortic valve implantation: what's next?**  
A. Colombo, Milan
- 14:30 Long-term results of the MitraClip therapy: what can we foresee at more than 10 years from the surgical experience  
M. De Bonis, Milan
- 14:45 Robotic mitral valve repair: the future is there  
R. Dion, Genk
- 15:00 The tricuspid valve: the next target?  
G. Lutter, Kiel
- 15:15 Cardiac surgery: what will be left?  
M. Mack, Plano
- 15:30 Wrap up  
A. Vahanian, Paris

#### 14:15 - 15:45

##### Preventing problems after open cardiac surgery

- 14:15 Minimally Invasive Extracorporeal Bypass In Minimally Invasive Heart Valve Surgery – A Prospective Randomized Trial  
H. Baumbach, C. Rustenbach, R. Nagib, S. Ahad, M. Albert, D. Ratge, U. Franke; Stuttgart (Germany)  
*Discussant:* A. Kiessling, Frankfurt am Main
- 14:30 Bypass techniques and transfusion requirements: comparison of mini-bypass vs. conventional cardiopulmonary bypass with or without prime displacement.  
P. Govewalla<sup>1</sup>, A. Barua<sup>2</sup>, L. McLean<sup>3</sup>, M. Loubani<sup>4</sup>, M. Chaudhry<sup>4</sup>; <sup>1</sup>Hull (United Kingdom), <sup>2</sup>LS97TF (United Kingdom), <sup>3</sup>5JQ (United Kingdom), <sup>4</sup>Cottingham (United Kingdom)  
*Discussant:* E. Flecher, Rennes
- 14:45 Patient blood management in octogenarians: predictors of transfusion and prognostic implications  
L. S. De Santo<sup>1</sup>, G. Romano<sup>1</sup>, C. Bancone<sup>1</sup>, M. Gagliardi<sup>2</sup>, D. Benvenuto<sup>2</sup>, V. Mazzei<sup>2</sup>, C. Carbone<sup>2</sup>, S. Caparrotti<sup>2</sup>; <sup>1</sup>Naples (Italy), <sup>2</sup>Bari (Italy)
- 15:00 How early is too early? Timing of tracheostomy after median sternotomy and risk of deep sternal wound infections  
K. Pilarczyk, G. Marggraf, M. Dudasova, S. Bürgener, B. Schönfelder, H. Jakob, F. Duse; Essen (Germany)  
*Discussant:* G. Trummer, Freiburg
- 15:15 Re-exploration for bleeding is an independent predictor of mortality in cardiac surgery patients also beyond the immediate postoperative period  
V. Fröjdh<sup>1</sup>, A. Jeppsson<sup>2</sup>; <sup>1</sup>Gothenburg (Sweden), <sup>2</sup>Goteborg (Sweden)  
*Discussant:* L. Torracca, Ancona
- 15:30 Higher-than-spontaneous arterial pressure during extracorporeal circulation does not result in improved renal function after cardiac surgery  
K. Kandler<sup>1</sup>, J. C. Nilsson<sup>2</sup>, C. H. Møller<sup>2</sup>, M. Jensen<sup>2</sup>, D. Steinbrüchel<sup>2</sup>; <sup>1</sup>Copenhagen East (Denmark), <sup>2</sup>Copenhagen (Denmark)  
*Discussant:* B. Kiaii, London

#### 14:15 - 15:45

##### Heart transplantation

Moderators: G. Rabago, Pamplona; S. R. Large, Elsworth

Learning objectives:

- To discuss current outcomes in heart transplantation
- To improve intraoperative outcomes of heart transplantation

- 14:15 Efficacy of mechanical postconditioning following warm, global ischemia depends on circulating fatty acid levels in an isolated, working rat heart model  
M. Bartkevics<sup>1</sup>, S. Huber<sup>2</sup>, V. Mathys<sup>2</sup>, J. Sourdon<sup>2</sup>, M. Dornbierer<sup>2</sup>, H. Tevæarai<sup>3</sup>, T. Carrel<sup>3</sup>, S. Longnus<sup>2</sup>; <sup>1</sup>Payerne (Switzerland), <sup>2</sup>Bern (Switzerland), <sup>3</sup>Berne (Switzerland)  
*Discussant:* E. Potapov, Berlin
- 14:30 Mechanical circulatory support in the Dutch National Pediatric Heart Transplantation Program  
M. Meulen van der<sup>1</sup>, M. Dalinghaus<sup>2</sup>, A. Maat<sup>2</sup>, P. Woestijne van de<sup>2</sup>, L. Osch van<sup>2</sup>, M. Hoog de<sup>2</sup>, U. Kraemer<sup>2</sup>, A. Bogers<sup>2</sup>; <sup>1</sup>Rotterdam (Netherlands), <sup>2</sup>Rotterdam (Netherlands)  
*Discussant:* J. Kroll,
- 14:45 Has psychosocial compliance an impact on long term outcome after heart transplantation?  
S. Sponga, C. Travaglini, F. Pisa, G. Guzzi, V. Tursi, C. Nalli, U. Livi; Udine (Italy)  
*Discussant:* T. Carrel, Berne
- 15:00 Mild hypothermia during ex-vivo machine perfusion improves recovery of hearts donated after circulatory death  
H. Tolboom<sup>1</sup>, V. Olejnickova<sup>1</sup>, D. Reser<sup>1</sup>, B. Rosser<sup>1</sup>, M. Wilhelm<sup>2</sup>, M. Gassmann<sup>2</sup>, A. Bogdanova<sup>2</sup>, V. Falk<sup>2</sup>; <sup>1</sup>Zürich (Switzerland), <sup>2</sup>Zurich (Switzerland)  
*Discussant:* D. Schibilsky, Tuebingen
- 15:15 Deep Hypothermic Circulatory Arrest for Concomitant Procedures in Patients Undergoing Heart Transplantation  
P. Vallabhajosyula, R. Menon, J. Gottret, C. Komlo, P. Atluri, M. Acker; Philadelphia (United States of America)  
*Discussant:* C. Schmid, Regensburg

#### 14:15 - 15:45

##### Mitral and Tricuspid surgery: How to transition to MIS

Moderators: Patrick Perier - Bad Neustadt; Francesco Musumeci - Rome

Objectives:

The main objective is to understand the process of launching and building an MIS mitral and tricuspid program and justifying it by sharing experience and answering the following key questions.



14:15	Introduction and learning objectives	
14:20	Review of the latest clinical studies: Why should we set-up an MIS program?	F P. A. Casselman – Aalst
14:35	MIS vs. Full Sternotomy: Is MIS cost effective?	P Herijgers - Leuven
14:50	MIS patient Selection: How to pick the right patient? How to avoid problems?	A Liebold - Ulm
15:05	Real life example: How did I start an MIS program in my centre?	R Cocchieri - Amsterdam
15:20	Next step concomitant MIS procedures: Mitral and tricuspid combined, tips and tricks	L Müller - Innsbruck
15:30	Discussion	All

## 16:00 - 17:30 Late Breakers

### 16:00 - 17:30

#### **Infective endocarditis and outcomes**

Moderators: C. A. Mestres, Barcelona; T. Bahrami,

Learning objectives:

- *Long-term results of surgery for endocarditis*
- *Improving outcomes in marginal patients*

- 16:00 Early and late outcomes of complex aortic root surgery in patients with aortic root abscesses  
P. Davierwala, S. Leontyev, K. Günter, F. Bakhtiary, M. Borger, M. Misfeld, F. Mohr, P. Davierwala; Leipzig (Germany)  
*Discussant*: C. Mestres, Barcelona
- 16:15 Quality of life in 9985 patients following aortic valve replacement – 1-year results from the German Aortic Valve Registry  
A. Beckmann<sup>1</sup>, R. Lange<sup>2</sup>, T. Neumann<sup>3</sup>, M. Krane<sup>2</sup>, A. Welz<sup>4</sup>, C. Hamm<sup>5</sup>, F. Mohr<sup>6</sup>; <sup>1</sup>Berlin (Germany), <sup>2</sup>Munich (Germany), <sup>3</sup>Essen (Germany), <sup>4</sup>Bonn (Germany), <sup>5</sup>Bad Nauheim (Germany), <sup>6</sup>Leipzig (Germany)  
*Discussant*: D. Pagano, Birmingham
- 16:30 Surgical management of destructive aortic endocarditis: left ventricular outflow reconstruction with Sorin Pericarbon Freedom stentless bioprosthesis  
S. Sponga<sup>1</sup>, D. Pavoni<sup>2</sup>, G. Nucifora<sup>1</sup>, I. Vendramin<sup>2</sup>, E. Mazzaro<sup>2</sup>, U. Livi<sup>1</sup>; <sup>1</sup>Udine (Italy), <sup>2</sup>33100 (Italy)  
*Discussant*: U. Rosendahl, London
- 16:45 Influence of different pacemaker stimulation modes in patients with ventricular hypertrophy  
A. Kiessling, L. Elhadouchi, A. Miskovic, C. Reyher, U. Stock, A. Moritz; Frankfurt am Main (Germany)
- 17:00 Mitral Valve Abnormalities in Patients with Bicuspid Aortic Valve: Prevalence, Mechanisms and Impact on Associated Aortic Dilatation Risk  
A. Della Corte<sup>1</sup>, C. Bancone<sup>1</sup>, M. Buonocore<sup>1</sup>, M. V. Montibello<sup>2</sup>, D. Avitabile<sup>1</sup>, G. Dialetto<sup>1</sup>, S. Manduca<sup>1</sup>, M. De Feo<sup>1</sup>; <sup>1</sup>Naples (Italy), <sup>2</sup>Pozzuoli (Italy)  
*Discussant*: A. Gamba, MILAN
- 17:15 Full Sternotomy vs Right Anterior Minithoracotomy For Isolated Aortic Valve Replacement in Octogenarians: Propensity Matched Study  
D. Gilmanov<sup>1</sup>, P. Farneti<sup>1</sup>, M. Ferrarini<sup>2</sup>, F. Santarelli<sup>1</sup>, M. Murzi<sup>1</sup>, A. Miceli<sup>1</sup>, M. Solinas<sup>1</sup>, M. Glauber<sup>1</sup>; <sup>1</sup>Massa (Italy), <sup>2</sup>Milano (Italy)  
*Discussant*: F. Nicolini, Parma

### 16:00 - 17:30

#### **Can minimally invasive ablation keep up its promise for lone Afib**

Moderators: M. La Meir, Brussels; M. Castella, Barcelona

- 16:00 Systematic Review Comparing Endocardial Full Maze to Epicardial Ablation and Hybrid Procedure on Safety and Efficacy of Minimally Invasive Surgical Ablation for Lone Atrial Fibrillation  
H. G. Je, N. Ad; Falls Church (United States of America)  
*Discussant*: S. Benussi, Milan
- 16:15 The double-isolation lesion set provides superior outcomes than the box lesion in patients with stand-alone, persistent atrial fibrillation  
C. Muneretto, G. Bisleri, F. Rosati, L. Bontempi, M. Cerini, A. Curnis; Brescia (Italy)  
*Discussant*: M. La Meir, Brussels
- 16:30 A new approach to determine the results of minimally invasive pulmonary vein isolation using a continuous loop monitor: preliminary results  
M. Oudeman<sup>1</sup>, A. Tjon<sup>1</sup>, J. Huijgen<sup>1</sup>, A. Mijnen<sup>1</sup>, G. de Ruiter<sup>1</sup>, A. van Eijkhout<sup>1</sup>, A. Voogel<sup>2</sup>, S. Lalezari<sup>1</sup>; <sup>1</sup>Amsterdam (Netherlands), <sup>2</sup>Hoofddorp (Netherlands)  
*Discussant*: M. Mariani, Groningen
- 16:45 Implantable loop recorder monitoring after concomitant surgical ablation for atrial fibrillation (AF). Insights from more than 200 continuously monitored patients  
S. Pecha, F. Hartel, A. Aydin, I. Subbotina, S. Willems, H. Reichenspurner, F. Wagner; Hamburg (Germany)  
*Discussant*: E. Charitos, Lübeck
- 17:00 Electrophysiologic Efficacy of Cobra Revolution Temperature Controlled Bipolar Radiofrequency  
A. Pozzoli<sup>1</sup>, M. Taramasso<sup>1</sup>, F. Ancona<sup>2</sup>, M. Kamami<sup>1</sup>, D. Cianflone<sup>2</sup>, P. Della Bella<sup>1</sup>, O. Alfieri<sup>1</sup>, S. Benussi<sup>1</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>Milano (Italy)  
*Discussant*: N. Doll, Stuttgart
- 17:15 Exiting the maze to walk into the hybrid labyrinth  
M. Castella, Barcelona

**16:00 - 17:30**

Cardiac surgery in marginal patients  
Moderators: P. Leprince, Paris; M. Versteegh, Leiden

- 16:00 Surgical Thrombectomy of Mechanical Valve Thrombosis  
P. Pomerantzeff<sup>1</sup>, S. Steffen<sup>2</sup>, C. Brandão<sup>1</sup>, G. Lapenna<sup>1</sup>, F. Tarasoutchi<sup>1</sup>, F. Jatene<sup>1</sup>; <sup>1</sup>São Paulo (Brazil), <sup>2</sup>Sao Paulo (Brazil)  
*Discussant:* A. Ahlsson, Örebro
- 16:15 Treatment strategy for infective endocarditis associated with cerebral complication  
G. Muraoka<sup>1</sup>, T. Komiya<sup>1</sup>, H. Tsuneyoshi<sup>1</sup>, T. Shimamoto<sup>2</sup>; <sup>1</sup>Kurashiki (Japan), <sup>2</sup>710-8602 (Japan)  
*Discussant:* J. Gabel, Göteborg
- 16:30 Preoperative IABP in high-risk patients undergoing cardiac surgery: a meta-analysis of randomized controlled trials  
K. Pilarczyk<sup>1</sup>, H. Jakob<sup>1</sup>, G. Langebartels<sup>2</sup>, A. Böning<sup>3</sup>, A. Markewitz<sup>4</sup>, N. Haake<sup>5</sup>, M. Heringalke<sup>6</sup>, G. Trummer<sup>7</sup>; <sup>1</sup>Essen (Germany), <sup>2</sup>Köln (Germany), <sup>3</sup>Giessen (Germany), <sup>4</sup>Koblenz (Germany), <sup>5</sup>Kiel (Germany), <sup>6</sup>Lübeck (Germany), <sup>7</sup>Bad Krozingen (Germany)  
*Discussant:* T. Gudbjartsson, Reykjavik
- 16:45 Cardiac Surgery under Coumadin - Is Preoperative Normalization of the INR Necessary?  
Y. Essa<sup>1</sup>, H. Hoyer<sup>1</sup>, G. Färber<sup>1</sup>, M. Diab<sup>1</sup>, M. Hofmann<sup>2</sup>, P. Amorim<sup>1</sup>, T. Doenst<sup>1</sup>; <sup>1</sup>Jena (Germany), <sup>2</sup>Jena (Germany)  
*Discussant:* D. Reineke, Bern
- 17:00 Cardiac re-operations in octogenarians: do patients really benefit?  
H. Deschka<sup>1</sup>, S. Erler<sup>2</sup>, S. Martens<sup>1</sup>, G. Wimmer-greinecker<sup>2</sup>; <sup>1</sup>Münster (Germany), <sup>2</sup>Bad Bevensen (Germany)  
*Discussant:* M. Zembala, Zabrze
- 17:15 Effect of Carotid Revascularization on Cerebral Autoregulation in Combined Cardiac Surgery  
D. Hori<sup>1</sup>, M. Ono<sup>2</sup>, H. Adachi<sup>3</sup>, C. Hogue<sup>1</sup>; <sup>1</sup>Baltimore (United States of America), <sup>2</sup>Houston (United States of America), <sup>3</sup>Saitama (Japan)  
*Discussant:* M. Gaudino, Rome

**16:00 - 17:30****All alone in the operating room - Tips and tricks in urgent disasters**

Moderators: F. Mohr, Leipzig; A. Pavie, Paris

- 16:00 10 minute rules of disaster management  
S. Nashef, Cambridge
- 16:15 A standard operating procedure for root abcess  
M. Borger, Leipzig
- 16:30 A standard operating procedure for aortic dissection  
M. Grabenwöger, Vienna
- 16:45 A standard operating procedure for pulmonary embolus  
R. Haaverstad, Bergen
- 17:00 A standard operating procedure for ischemic ventricular septal defect  
A. De Souza, London
- 17:10 A standard operating procedure weaning patients from bypass  
F. Beyersdorf, Freiburg
- 17:25 Wrap up  
F. Mohr, Leipzig

**16:00 - 17:30****Translational cardiovascular research**

Moderators: J. B. Grau, Ridgewood; J. Kluin, Utrecht

- 16:00 Subclinical aortic valve disease: new tools for risk stratification and therapy  
G. Ferrari, Philadelphia
- 16:15 Clinical implication of genomics in the use of BIMA for coronary artery bypass graft  
J. Grau, Ridgewood
- 16:30 Decellularized whole heart for bioartificial heart  
P. Akhyari, Düsseldorf
- 16:45 Biological features of thoracic aortic diseases. Where are we now, where are we heading to: established and emerging biomarkers and molecular pathways  
A. Parolari, Milan
- 17:00 Cellular mechanism driving fibrosis and matrix remodeling in myxomatous mitral valves  
J. Miller, Rochester
- 17:15 Tricuspid valve replacement with a decellularised extra cellular matrix cylinder. The reason behind remodelling after implantation  
J. Cox, St Louis
- 17:25 Wrap up  
A. Haverich, Hannover

## Wednesday, October 15, 2014 Acquired Cardiac Disease Programme

### 08:30 - 10:00 **Part I: Cannulation and extraction techniques - Putting it in and taking it out**

Moderators: C. Starck, Zurich; T. M. Sundt, Boston

- 08:30 Old leads - new problems
- 08:40 Video: Lead extraction: laser or sheath  
C. Starck, Zurich
- 08:50 Lead extraction: do's and don'ts  
J. Clague, London
- 09:00 Panel discussion
- 09:15 Video: Cannulation technique: femoral in redo surgery  
F. De Robertis, Harefield
- 09:25 Video: Cannulation technique: subclavian  
F. De Robertis, Harefield
- 09:35 Video: Carotid artery and jugular vein cannulation in aortic redo surgery  
P. Urbanski, Bad Neustadt
- 09:45 Panel discussion

### 10:30 - 12:00 **Part II: Cannulation and extraction techniques - Putting it in and taking it out**

Moderators: C. Starck, Zurich; T. M. Sundt, Boston

- 10:30 Strategy of cannulation: Minimally invasive valve surgery  
M. De Bonis, Milan
- 10:40 Panel discussion
- 10:50 Strategy of cannulation: redo  
U. Rosendahl, London
- 11:00 Acute dissection: strategy of cannulation  
J. Bavaria, Philadelphia
- 11:10 Video: Cannulation technique: LV apex  
J. Coselli, Houston
- 11:20 Panel discussion
- 11:30 Video: Optimizing venous grafting: Endoscopic vein  
R. Yadav, London
- 11:40 Video: Endoscopic radial artery
- 11:50 Panel discussion

### 08:30 - 10:00 **Transcatheter aortic valve implantation complications**

Moderators: N. Moat, London; H. Treede, Hamburg

Panel: G. Dahle, oslo; T. A. Folliguet, Vandoeuvre les Nancy Cedex

- 08:30 How important are embolic events?  
H. Treede, Hamburg
- 08:40 Paravalvular leak: can we measure it, can we prevent it?  
T. Folliguet, Vandoeuvre les Nancy Cedex
- 08:50 Circulatory support for high risk transcatheter aortic valve implantation  
N. Moat, London
- 09:00 Panel discussion
- 09:15 Valve embolisation: how to prevent, how to retrieve.  
G. Dahle, oslo
- 09:25 Coronary obstruction: practical tips  
S. Davies, London
- 09:35 Ilio-femoral problems: stenting or surgery?  
H. Treede, Hamburg
- 09:45 Panel discussion

### 08:30 - 10:00 **Fine-tuning coronary revascularization**

Moderators: M. G. Lemma, Milan; G. D'Ancona, palermo

Panel: D. Glineur, Bouge; J. D. Puskas, Atlanta; R. Yadav, London

- 08:30 Fractional flow reserve and instantaneous wave-free ratio for the surgeon  
S. Davies, London
- 08:40 Panel discussion

08:50	Intraoperative graft patency control: Transit time <u>T. Kieser</u> , Calgary
09:00	Intraoperative graft patency control: SPY <u>T. Kieser</u> , Calgary
09:10	Intraoperative graft patency control: Doppler <u>T. Holubec</u> , Zurich
09:20	Panel discussion
09:30	Optimizing arterial grafting: Configuration <u>B. Buxton</u> , Melbourne
09:40	Optimizing arterial grafting: Internal mammary artery harvesting <u>M. Allen</u> , Rochester
09:50	Panel discussion
<b>10:30 - 12:00</b>	<b>Optimizing arterial grafting: Configuration</b> Moderators: A. J. Rastan, Rotenburg; D. Fullerton, Aurora Panel: D. Glineur, Bouge; J. D. Puskas, Atlanta; D. Taggart, Oxford; P. Brichon, Grenoble
10:30	Optimizing arterial grafting: Endoscopic radial <u>T. Bahrami</u> , Harefield
10:40	Optimizing venous grafting: Endoscopic vein <u>T. Bahrami</u> , Harefield
10:50	Panel discussion
11:05	How to do minimally invasive coronary artery bypass <u>S. Jacobs</u> , Zurich
11:20	How to do endoscopic coronary artery bypass <u>N. Bonaros</u> , Innsbruck
11:35	One flow serves all targets <u>O. Wendler</u> , London
11:50	Panel discussion

## **Congenital Heart Disease Programme**

**Saturday 11 October 2014**

Techno College

**Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation	Plenary	08:30-10:00
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?	Focus	13:00-15:00
Re-operation Techniques	Postgraduate Course	10:30-12:00
Complex venous anomalies	Postgraduate Course	13:00-14:30
Surgical Film Session	Postgraduate Course	14:30-16:00

**Monday 13 October 2014**

Part II: A lifetime living with atrioventricular septal defect	Professional Challenge	08:15-11:45
Part I: A lifetime living with Atrioventricular septal defect	Professional Challenge	
The Fontan-TCPC Circulation	Abstract	14:15-15:45
Congenital Rapid response	Abstract	14:15-15:45
Predictive and non-invasive evaluation of congenital heart disease	Focus Session	16:00-17:30

**Tuesday 14 October 2014**

The problem of low birth weight and premature babies		
Mechanical Support and Transplantation	Focus Session	08:15-11:45
Congenital Miscellaneous	Abstract	10:15-11:45
Valve Repair	Abstract	14:15-15:45
	Abstract	16:00-17:30

**Wednesday 15 October 2014**

WetLab : Harvesting the Pulmonary Valve for the Ross Procedure • Making an on-table pulmonary valve	Advanced Techniques	08:30-12:00
---	---------------------	-------------

## Saturday October 11, 2014 Congenital Heart Disease Programme

<b>13:00-18:00</b>	<b>Valve and conduits for the right ventricular outflow tract. Reconstruction and repair of the pulmonary arteries</b> <i>Moderators: F Berger, Berlin; C Schreiber, Munich; G Stellin, Padua</i>	
	<b>Session I: Conduits and valves</b>	
13:00-13:20	Experience with the Contegra® valve	M Hazekamp, Leiden
13:20-13:40	Experience with the Hancock® conduit	E Belli, Paris
13:40-14:00	Experience with the Homograft valve	V Tsang, London
14:00-14:20	Experience with the stented pulmonary valve	E Hickey, Toronto
14:20-14:50	Creation of a pulmonary valve and valve conduit <i>10 mins overview from Sano &amp; 20 mins on valves from Jamajishi</i>	S Sano, Okayama and colleagues
14:50-15:00	Discussion	
15:00-15:30	<b>Break</b>	
	<b>Session II: Pulmonary artery reconstruction beyond central pulmonary arteries</b>	
15:30-15:50	Interventional cardiologist, the right ventricle outflow tract and pulmonary arteries	M Carminati, Milan
15:50-16:10	The decellularised Homograft	A Haverich, Hannover
16[DC1]:10-16:30	Matrix P® valve	K Konertz, Berlin
16:30-16:50	Which tissue to use for repair of pulmonary arteries?	T Karl, Brisbane
16:50-17:20	Grow your own valves from stem cells. What does the future hold?	S Hoerstrup, Zurich
17:20-18:00	Discussion	

## Sunday, October 12, 2014 Congenital Heart Disease Programme

### 08:30 - 10:00

#### Plenary session - Delivering Value in Healthcare: A vision for Innovation

Moderators: P. E. van Schil, Edegem; D. Pagano, Birmingham

08:30 From paternalism to partnership

J. Rich, Norfolk

08:50 Getting more from less

B. Keogh, London

09:10 Leadership

D. Wood, Seattle

09:30 Innovation and industry: a new understanding

A. Lansky, New Haven

09:50 Panel discussion

### 13:00 - 15:00

#### Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

Moderators: A P Kapetein; J L Pomar,

Learning objectives:

- *Teamwork means never having to take all the blame (yourself)*
- *Sharing the blame (responsibility)*

13:00 Low mortality or failure to rescue

S. Westaby, Oxford

13:30 Success from the patient point of view

T. Goldsworthy, Tewkesbury

14:00 Doctor please explain the treatment

B. Leigh, London

14:30 Understanding risk in a risk averse world

B. Smit, Rotterdam

### Post Graduate Course

#### 10:30 - 12:00

##### Complex venous anomalies

Moderators: A. Carotti, ; M. Kostolny, London

Learning objectives:

- *Provide an update on management of venous anomalies. To understand the complex nature of re-operation, with in depth presentations on particular abnormalities. The films will illustrate complex repairs by world experts*

10:30 Morphology of Cardiac venous anomalies

A. Cook, London

10:50 Surgical Repair of TAPVD

L. Galletti, Bergamo

11:10 Management of scimitar veins

V. Vida, Cotignola (RA)

11:30 Management of pulmonary vein stenosis

F. Lacour-Gayet, New York

11:50 Discussion

#### 13:00 - 14:30

##### Re-operation Techniques

Moderators: G. Stellin, Padua; P. Del Nido, Boston

13:00 Technical aspects of re-operation

D. Barron, Birmingham

13:20 Management of recurrent LVOT obstruction

V. Hraska, Sankt Augustin

13:40 Re- operation after the Norwood procedure

C. Pizarro, Wilmington

14:00 Re-operation after repair of Transposition

P. Vouhe, Paris

14:20 Discussion

#### 15:00 - 16:00

##### Surgical Film Session

Moderators: C. Brizard, Melbourne; J. V. Comas, Madrid

15:00 Valve sparing - a method of repair

D. Mazzitelli, Munich

15:10 Arterial switch

E. Belli, Le Plessis-Robinson

15:20 Truncus arteriosus

M. Hazekamp, Leiden

15:30 Norwood I procedure

C. Pizarro, Wilmington

15:40 LVAD implantation

M. Griselli, Newcastle-Upon-Tyne

15:50 The Fontan completion

T. Spray, Philadelphia

**08:15 - 09:45**

**Part I: A lifetime living with Atrioventricular septal defect**

Moderators: A. Frigiola, Milan; C. Brizard, Melbourne

Learning objectives:

- To understand the complex nature of AVSD and learn methods of re-repair of the AV valves

08:15 Morphology of Atrioventricular Septal Defect

A. Cook, London

08:30 An overview of surgical repair of AVSD

T. Ebels, Groningen

08:45 Does outcome of staged repair for complex isolated CAVSD differ from primary correction? A single center experience comprising 540 patients

T. Günther, J. Hörer, T. Fabry, C. Schreiber, R. Lange; Munich (Germany)

*Discussant:* M. Cho,

09:00 Long-term Outcome with Pericardial Patch Augmentation for Redo Left Atrio-Ventricular Valve Repair in Atrio-Ventricular Septal Defect

K. Sugimoto<sup>1</sup>, C. Brizard<sup>2</sup>, Y. D'Udekem<sup>2</sup>, I. Konstantinov<sup>2</sup>; <sup>1</sup>Chiba-city (Japan), <sup>2</sup>Melbourne (Australia)

*Discussant:* J. Hörer, Munich

09:15 Biventricular repair for common atrioventricular canal defect with parachute mitral valve

P. Myers<sup>1</sup>, P. Del Nido<sup>2</sup>, V. Bautista-Hernandez<sup>2</sup>, G. Marx<sup>2</sup>, S. Emani<sup>2</sup>, F. Pigula<sup>2</sup>, C. Baird<sup>2</sup>; <sup>1</sup>Geneva 4 (Switzerland), <sup>2</sup>Boston (United States of America)

*Discussant:* D. Anderson, London

09:30 A single center 37 year experience with reoperation for atrioventricular septal defect

V. Sojak<sup>1</sup>, D. Koolbergen<sup>2</sup>, E. Bruggemans<sup>1</sup>, A. Yazdanbakhsh<sup>2</sup>, M. Kooij<sup>1</sup>, M. Hazekamp<sup>1</sup>; <sup>1</sup>Leiden (Netherlands), <sup>2</sup>Amsterdam (Netherlands)

*Discussant:* O. Ghez, London

**10:15 - 11:45**

**Part II: A lifetime living with atrioventricular septal defect**

Moderators: A. Frigiola, Milan; C. Brizard, Melbourne

10:15 How can we help the surgeon

J. Marek, London

10:35 Australian technique for AVSD Repair

T. Karl, Brisbane

10:55 What are the limits of biventricular repair

C. Pizarro, Wilmington

11:15 Re-operations: Tips and tricks

M. Redmond, Dublin

3Cc01

**14:15 - 15:45**

**The Fontan-TCPC Circulation**

Moderators: J. Fragata, Lisbon; C. Backer, Chicago

Learning objectives:

- To expand knowledge about the Fontan procedure and latest developments

14:15 Mechanically Assisted Total Cavopulmonary Connection With An Axial Flow Pump: In Vivo And Computational Study

F. Gandolfo<sup>1</sup>, G. Brancaccio<sup>1</sup>, E. Iannace<sup>2</sup>, S. Filippelli<sup>1</sup>, M. Grigioni<sup>1</sup>, S. Donatiello<sup>1</sup>, D. D'Amario<sup>1</sup>, A. Amodeo<sup>1</sup>; <sup>1</sup>Rome (Italy), <sup>2</sup>Taormina (Italy)

*Discussant:* A. Amodeo,

14:30 Results of Extracardiac Conduit Total Cavopulmonary Connection in 500 Patients

T. Nakano, H. Tatewaki, K. Hinokiyama, S. Oda, S. Shiraishi, S. Fujita, J. Ikarashi, H. Kado; Fukuoka (Japan)

*Discussant:* T. Spray,

14:45 Results of Fontan operation in patients with atrioventricular valve regurgitation

V. Podzolkov<sup>1</sup>, M. Chiaureli<sup>1</sup>, I. Yurlov<sup>1</sup>, M. Zelenikin<sup>1</sup>, D. Kovalev<sup>1</sup>, V. Dontsova<sup>1</sup>, S. Zaets<sup>2</sup>; <sup>1</sup>Moscow (Russian Federation), <sup>2</sup>Fort Lee (United States of America)

*Discussant:* L. Macé,

15:00 Ten-year outcomes of Fontan conversion in Australia and New Zealand demonstrate the superiority of a strategy of early conversion

C. Poh<sup>1</sup>, A. Cochrane<sup>2</sup>, J. Galati<sup>3</sup>, A. Bullock<sup>4</sup>, D. Celermajer<sup>1</sup>, T. Gentles<sup>5</sup>, K. Finucane<sup>5</sup>, Y. D'Udekem<sup>3</sup>; <sup>1</sup>Sydney (Australia), <sup>2</sup>VIC (Australia), <sup>3</sup>Melbourne (Australia), <sup>4</sup>Perth (Australia), <sup>5</sup>Auckland (New Zealand)

*Discussant:* C. Backer, Chicago

15:15 Comprehensive rhythm evaluation in a large contemporary modern Fontan population

S. Bossers<sup>1</sup>, N. Duppen<sup>2</sup>, L. Kapusta<sup>3</sup>, M. Hazekamp<sup>4</sup>, A. Bogers<sup>2</sup>, G. van Iperen<sup>1</sup>, W. Helbing<sup>2</sup>, N. Blom<sup>4</sup>; <sup>1</sup>Utrecht (Netherlands), <sup>2</sup>Rotterdam (Netherlands), <sup>3</sup>Nijmegen (Netherlands), <sup>4</sup>Leiden (Netherlands)

*Discussant:* S. Foresti,

15:30 Initial Management of Pulmonary Blood Flow is Associated with Late Outcomes in Tricuspid Atresia

T. Wilder<sup>1</sup>, E. Hickey<sup>1</sup>, B. McCrindle<sup>1</sup>, G. Ziemer<sup>2</sup>, E. Blackstone<sup>3</sup>, T. Karamlou<sup>4</sup>, P. Kirshbom<sup>5</sup>, P. Gruber<sup>6</sup>; <sup>1</sup>Toronto (Canada), <sup>2</sup>Chicago (United States of America), <sup>3</sup>Cleveland (United States of America), <sup>4</sup>San Francisco (United States of America), <sup>5</sup>New Haven (United States of America), <sup>6</sup>Iowa City (United States of America)

*Discussant:* L. Galletti, Bergamo

**14:15 - 15:45**

**Congenital Rapid response**

14:15 Durability of bicuspidalized homografts for the reconstruction of the right ventricular outflow tract



- 14:24 J. Cleuziou, K. Vitanova, J. Hoerer, B. Ruf, J. Kasnar-Samprec, R. Lange, C. Schreiber; Munich (Germany)  
Pulmonary artery sling repair: Single center experience with analysis of risk factors
- 14:33 N. Muthialu<sup>1</sup>, L. Bezuska<sup>2</sup>, M. Nakao<sup>2</sup>, M. J. Elliott<sup>2</sup>, V. Tsang<sup>2</sup>; <sup>1</sup>Gerrards Cross (United Kingdom), <sup>2</sup>London (United Kingdom)  
Surgical outcomes following repair of anomalous origin of coronary artery from the pulmonary artery: results from a national audit
- 14:42 D. Fudulu<sup>1</sup>, D. Dorobantu<sup>1</sup>, M. Sharabiani<sup>2</sup>, G. Angelini<sup>1</sup>, A. Parry<sup>1</sup>, M. Caputo<sup>1</sup>, S. Stoica<sup>1</sup>; Bristol (United Kingdom), <sup>2</sup>London (United Kingdom)  
Dacron conduit is not suitable for Extracardiac Fontan operation
- 14:51 G. Oppido, R. Liberi, L. Careddu, C. D'Andrea, E. Angeli, V. Gesuete, E. Mariucci, G. Gargiulo; Bologna (Italy)  
The efficacy of surgical approach 'Intrapulmonary-Artery Septation : IPAS' for Fontan candidates with unilateral pulmonary arterial hypoplasia
- 15:00 M. TACHI<sup>1</sup>, M. Murata<sup>2</sup>, Y. Ide<sup>2</sup>, H. ITO<sup>3</sup>, K. kanno<sup>1</sup>, K. Imai<sup>1</sup>, K. Sakamoto<sup>2</sup>; <sup>1</sup>Shizuoka (Japan), <sup>2</sup>Shizuoka City (Japan), <sup>3</sup>shizuoka city (Japan)  
Closing the gap. First results of the new 15ml-EXCOR pump for children
- 15:09 M. Griselli<sup>1</sup>, F. De Rita<sup>1</sup>, S. Haynes<sup>1</sup>, E. Sandica<sup>2</sup>, A. Karimova<sup>3</sup>, N. Jurrmann<sup>4</sup>, K. Brandes<sup>4</sup>, A. Menon<sup>4</sup>; <sup>1</sup>Newcastle-Upon-Tyne (United Kingdom), <sup>2</sup>Bad Oeyenhausen (Germany), <sup>3</sup>London (United Kingdom), <sup>4</sup>Berlin (Germany)  
Outcome of paediatric cardiac re-transplantation in the mechanical support era
- 15:18 F. De Rita<sup>1</sup>, F. Gandolfo<sup>2</sup>, R. Kirk<sup>1</sup>, C. Irving<sup>3</sup>, S. Haynes<sup>1</sup>, D. Crossland<sup>1</sup>, A. Hasan<sup>1</sup>, M. Griselli<sup>1</sup>; <sup>1</sup>Newcastle-Upon-Tyne (United Kingdom), <sup>2</sup>Rome (Italy), <sup>3</sup>Newcastle upon Tyne (United Kingdom)  
Early Rise in Troponin-I Predicts Left Ventricular Dysfunction in Simple Transposition: A Study of 225 Arterial Switch Operations
- 15:27 P. Bernier<sup>1</sup>, D. Hayes<sup>2</sup>, G. Krishnamurthy<sup>2</sup>, J. Chen<sup>2</sup>, J. Quaegebeur<sup>2</sup>, E. Bacha<sup>2</sup>; <sup>1</sup>Montreal (Canada), <sup>2</sup>New York (United States of America)  
Individual pulmonary veins outgrow somatic growth after the primary sutureless repair for total anomalous pulmonary venous drainage
- 15:36 H. Jung, C. Park, J. Park, T. Yun; Seoul (Korea)  
Surgical Debranching of Aortopulmonary Collaterals in patients with Single Ventricle Physiology: Subclavian Artery Cleaning
- 16:00 H. ITO<sup>1</sup>, M. Murata<sup>2</sup>, Y. Ide<sup>2</sup>, M. Tachi<sup>2</sup>, K. kanno<sup>3</sup>, K. Imai<sup>3</sup>, K. Sakamoto<sup>2</sup>; <sup>1</sup>shizuoka city (Japan), <sup>2</sup>Shizuoka City (Japan), <sup>3</sup>Shizuoka (Japan)
- 16:00 - 17:30 Predictive and non-invasive evaluation of congenital heart disease**  
Moderators: B. Maruszewski, Warsaw  
Learning objectives:
- To understand modern advanced imaging modalities and how they can be utilised to plan and execute surgical repair
- 16:00 MRI and new advances A. Taylor, London
- 16:20 Present and future possibilities of ultrasound B. Bijnens, Barcelona
- 16:40 Virtual prediction of surgery A. Yoganathan, Atlanta
- 17:00 How to use new imaging modalities to plan and execute surgical procedures P. Del Nido, Boston
- 17:20 Discussion

## Tuesday, October 14, 2014 Congenital Heart Disease Programme

08:15 - 09:45

### Valve Repair

Moderators: R. Greco, Madrid; B. Asfour,

Learning objectives:

- To be aware of different methods of valve repair in different valves

- 08:15 Contemporary long- term outcomes of an aggressive approach to mitral valve repair in children: Is it effective and durable for both congenital and acquired mitral valve lesions?  
P. S. Krishna Moorthy, S. Sivalingam, P. Kong, J. Dillon, M. A. Yakub; Kuala Lumpur (Malaysia)  
*Discussant:* P. Del Nido, Boston
- 08:30 Atrio-ventricular valve regurgitation in univentricular hearts: outcomes after repair.  
D. Laux<sup>1</sup>, M. Vergnat<sup>1</sup>, V. Lambert<sup>2</sup>, B. Stos<sup>3</sup>, M. Ly<sup>2</sup>, R. Roussin<sup>1</sup>, E. Belli<sup>2</sup>; <sup>1</sup>Le Plessis Robinson (France), <sup>2</sup>Le Plessis-Robinson (France), <sup>3</sup>Le Plessis Robinson (France)  
*Discussant:* D. Barron, Birmingham
- 08:45 Da Silva's Cone Repair for Ebstein's anomaly: Effect on right ventricular size and function  
R. Lange, M. Burri, L. Eschenbach, J. Hörer, S. Fratz, A. Kuehn, C. Schreiber, M. Vogt; Munich (Germany)  
*Discussant:* J. P. Da Silva, 001, Sao Paulo
- 09:00 Aortic valve repair for insufficiency in older children offers unpredictable durability that may not be advantageous over primary Ross operation  
T. Wilder, C. Caldarone, G. Van Arsdale, E. Pham-Hung, M. Gritti, M. Al Jughiman, E. Hickey; Toronto (Canada)  
*Discussant:* B. Asfour,
- 09:15 Durability of tricuspid valve plasty in pediatric patients  
Y. Nakamura<sup>1</sup>, I. Hagino<sup>2</sup>, S. Akiyama<sup>2</sup>, M. Aoki<sup>2</sup>; <sup>1</sup>Sagamihara (Japan), <sup>2</sup>Chiba (Japan)  
*Discussant:* Z. Prodan, BUDAPEST
- 09:30 Surgical Treatment of Infective Endocarditis in Pediatric Patients: A 25-year Review  
E. S. Choi<sup>1</sup>, W. Kim<sup>2</sup>, S. Cho<sup>1</sup>, J. R. Lee<sup>1</sup>, Y. J. Kim<sup>1</sup>; <sup>1</sup>Seoul (Korea), <sup>2</sup>Seoul (Korea)  
*Discussant:* E. Apostolakis, Rion Patras

10:15 - 11:45 **The problem of low birth weight and premature babies**

Learning objectives:

- To comprehend the multi organ problems of managing small babies with congenital heart disease

- |       |  |                                |
|-------|--|--------------------------------|
| 10:15 | Whole Body Management                            | <u>L. Ragni</u> , Bologna      |
| 10:35 | Should we/can we delay surgical interventions    | <u>E. Hickey</u> , Toronto     |
| 10:55 | Neurodevelopmental outcome of premature neonates | <u>B. Latal</u> , Zürich       |
| 11:15 | Surgical Challenges                              | <u>T. Spray</u> , Philadelphia |
| 11:35 | Discussion                                       |                                |

14:15 - 15:45

### Mechanical Support and Transplantation

Moderators: M. Griselli, Newcastle-Upon-Tyne; M. Huebler,

Learning objectives:

- To be aware of the possibilities and limitations of mechanical support and transplantation

- 14:15 Results of heart transplantation following failed staged palliation of hypoplastic left heart syndrome and related single ventricle anomalies  
B. Alsoufi, S. Deshpande, B. Kogon, W. Mahle, K. Maher, K. Kanter; Atlanta (United States of America)  
*Discussant:* G. Gargiulo, Bologna
- 14:30 Pediatric Mechanical Cardiac Support with Berlin Heart Excor Pulsatile Ventricular: 23-Year Single Center Experience  
M. Musci, V. Alexi-Meskishvili, O. Miera, M. Cho, F. Berger, R. Hetzer, J. Photiadis; Berlin (Germany)  
*Discussant:* M. Griselli, Newcastle-Upon-Tyne
- 14:45 Outcome of mechanical cardiac support in children using more than one modality as bridge to heart transplantation  
F. De Rita<sup>1</sup>, F. Gandolfo<sup>2</sup>, S. Haynes<sup>1</sup>, R. Kirk<sup>1</sup>, L. Ferguson<sup>1</sup>, J. Smith<sup>1</sup>, A. Hasan<sup>1</sup>, M. Griselli<sup>1</sup>; <sup>1</sup>Newcastle-Upon-Tyne (United Kingdom), <sup>2</sup>Rome (Italy)  
*Discussant:* B. Alsoufi, Atlanta
- 15:00 Long term mechanical circulatory support in pediatric patients: Bad Oeynhausen experience  
E. Sandica, U. Blanz, L. Ben Mime, U. Schultz-Kaizler, G. Kirchner, E. zu Knyphausen, V. Lauenroth, M. Morshuis; Bad Oeynhausen (Germany)  
*Discussant:* M. Huebler,
- 15:15 Higher Volume Load in Congenital Heart Surgery is Associated with Better Early Outcomes.  
A. Kansy<sup>1</sup>, B. Maruszewski<sup>1</sup>, Z. Tobota<sup>1</sup>, T. Ebels<sup>2</sup>, C. Schreiber<sup>3</sup>, J. Jacobs<sup>4</sup>; <sup>1</sup>Warsaw (Poland), <sup>2</sup>Groningen (Netherlands), <sup>3</sup>Munich (Germany), <sup>4</sup>Florida (United States of America)  
*Discussant:* F. Lacour-Gayet, New York
- 15:30 Outcomes And Risk Factors For Heart Transplantation In Children With End Stage Cardiomyopathy  
B. Alsoufi, S. Deshpande, B. Kogon, K. Maher, W. Mahle, K. Kanter; Atlanta (United States of America)  
*Discussant:* P. Vouhe, Paris

16:00 - 17:30

### Congenital Miscellaneous

Moderators: G. E. Sarris, Athens; W. Brawn, Birmingham

Learning objectives:

- Increase knowledge base on a variety of topics

- 16:00      Anatomic Repair of Complex Transposition with En Bloc Rotation of the Truncus Arteriosus – Ten Years Experience  
R. Mair, E. Sames-Dolzer, M. Innerhuber, E. Grohmann, A. Hofer, G. Tulzer; Linz (Austria)  
*Discussant*: V. Hraska, Sankt Augustin
- 16:15      Fate of RV to PA Conduits following Complete Repair of Pulmonary Atresia with Major Aortopulmonary Collaterals  
R. Mainwaring, J. Schaffer, V. Reddy, F. Hanley; Stanford (United States of America)  
*Discussant*: T. Jones, Birmingham
- 16:30      Biventricular Repair for Double Outlet Right Ventricle with Non-committed Ventricular Septal Defect  
S. Li, K. Ma, Z. Hua, K. Yang, J. Yan, K. Pang, S. Hu, X. Pan; Beijing (China)  
*Discussant*: E. Belli, Le Plessis-Robinson
- 16:45      Surgical Treatment of Aberrant Aortic Origin of the Coronary Arteries  
M. Kooij, H. Vliegen, M. de Graaf, M. Hazekamp; Leiden (Netherlands)  
*Discussant*: C. Schreiber, Munich
- 17:00      Early and midterm clinical experience with extracellular matrix graft for congenital cardiac and vascular reconstructive surgery. A multicentric Italian Study  
M. Padalino<sup>1</sup>, A. Quarti<sup>2</sup>, E. Angeli<sup>3</sup>, A. Frigo<sup>4</sup>, M. Pozzi<sup>2</sup>, G. Gargiulo<sup>3</sup>, V. Vida<sup>5</sup>, G. Stellin<sup>6</sup>,<sup>1</sup>Ppadova (Italy), <sup>2</sup>Ancona (Italy), <sup>3</sup>Bologna (Italy), <sup>4</sup>Padova (Italy), <sup>5</sup>Cotignola (RA) (Italy),<sup>6</sup>Padua (Italy)  
*Discussant*: T. Karl, Brisbane
- 17:15      Surgical Outcome of Heterotaxy Syndrome – Single Center Experience  
M. Chuang, C. Chang; Taipei (Taiwan)  
*Discussant*: V. Tsang, London

## Thoracic Disease Programme

**Saturday 11 October 2014**

Techno College

09:00-18:00

### **Sunday 12 October 2014**

Plenary session - Delivering Value in Healthcare: A vision for Innovation	Plenary	08:30-10:00
Interactive session on management of Lung cancer staging- clinical implications	Focus	13:00-15:00
Oligometastatic diseases	Postgraduate Course	10:30-12:00
Intraoperative complications	Postgraduate Course	13:00-14:30
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?	Postgraduate Course	14:30-16:00

### **Monday 13 October 2014**

Thoracic Oncology I	Abstract	08:15-09:45
Thoracic non-oncology I	Abstract	08:15-09:45
Thoracic oncology II	Abstract	10:15-11:45
Mediastinum	Abstract	10:15-11:45
Chest wall	Abstract	14:15-15:45
Thoracic Rapid response session	Abstract	16:00-17:30

### **Tuesday 14 October 2014**

Thoracic Oncology III	Abstract	08:15-09:45
Thoracic Non Oncology II	Abstract	08:15-09:45
Oesophagus	Abstract	10:15-11:45
Lung transplantation	Abstract	10:15-11:45
Basic Science	Abstract	14:15-15:45
Controversies in Thoracic Surgery	Abstract	14:15-15:45
Linking resection and reconstruction of intrathoracic organs	Focus Session	16:00-17:30
Thoracic video session	Abstract	16:00-17:30

### **Wednesday 15 October 2014**

Wetlab - Thoracic sympathectomy & Vascular repair techniques	Advanced Techniques	08:30-12:00
Drylab -Robotic and VATS approach	Advanced Techniques	08:30-12:00

Techno College

**09:00-18:00 Chest wall deformities, trauma and tumours**

*Moderators Milan: JR Campos, Sao Paulo; G Rocco, Naples*

*Moderators Istanbul: R Schmid, Berne; K Athanassiadi, Athens*

*Learning objectives: the participants will learn how to deal with chest wall deformities, trauma and tumours and they will get knowledge of the different techniques of reconstructions and their specific indications*

**Live surgeries**

2 pectus excavatum cases

M Yuksel, Istanbul

2 pectus carinatum cases

M Yuksel, Istanbul

2 cases trauma or tumour

M Yuksel, Istanbul

**Talks**

09:00-09:30

The Nuss procedure

R Kelly, Norfolk

09:30-10:00

Technical modifications of the Nuss procedure

H Pilegaard, Aarhus

10:00-10:30

Minimally invasive treatment of pectus carinatum

M Lopez, St Etienne

10:30-11:00

Conservative treatment of chest wall deformities

O Tiffet, St Etienne

11:00-11:30

The vacuum bell experience for pectus excavatum

FM Haecker, Basel

11:30-13:00

**Live surgeries (x3)**

13:00-14:00

**Lunch**

14:00-14:30

Sternal cleft repair

J Ribas-Campos, Sao Paulo

14:30-15:00

Chest wall reconstructions

M Kalkat, Birmingham

15:00-15:30

Chest wall trauma

G Friedel, Gerlingen

15:30-16:00

Sternal complications after surgery

F Rea, Padua

16:00-16:30

Biological sternal support

D Miller, Atlanta

16:30-17:00

Nightmare in chest wall deformities and reconstructions

A Hebra, Charleston

17:00-17:30

New materials in Nuss operation

A Messineo, Florence

17:00-18:00

**Live surgeries (x3)**

## Sunday 12 October 2014 Thoracic Disease Programme

**08:30 - 10:00**

### Plenary session - Delivering Value in Healthcare: A vision for Innovation

Moderators: P. E. van Schil, Edegem; D. Pagano, Birmingham

08:30 From paternalism to partnership

J. Rich, Norfolk

08:50 Getting more from less

B. Keogh, London

09:10 Leadership

D. Wood, Seattle

**09:30 Innovation and industry: a new understanding**

A. Lansky, New Haven

**09:50 Panel discussion**

**13:00 - 15:00**

### Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

Moderators: A P Kapetein; J L Pomar,

Learning objectives:

- *Teamwork means never having to take all the blame (yourself)*
- *Sharing the blame (responsibility)*

13:00 Low mortality or failure to rescue

S. Westaby, Oxford

13:30 Success from the patient point of view

T. Goldsworthy, Tewkesbury

14:00 Doctor please explain the treatment

B. Leigh, London

14:30 Understanding risk in a risk averse world

B. Smit, Rotterdam

### Post Graduate Course

**10:30 - 12:00**

#### Interactive session on management of Lung cancer staging- clinical implications

Moderators: L. Spaggiari, Milan; R. A. Schmid, Berne

Learning objectives:

- *The participants will discuss the new guidelines for lung cancer staging and the different available methods to stage the patients and the appropriate treatment for every stage*

10:30 RB (or BM)

M. Dusmet, London

11:00 Illustrative case tba

G. Friedel, Gerlingen

11:30 Illustrative case tba

M. Jimenez, Salamanca

#### 12:30 - 14:00 Oligometastatic diseases

Moderators: D. J. Mathisen, Boston; F. De Marinis, Milan

Learning objectives:

- *The attendees will understand how to deal with the patients with oligometastatic diseases, and indications for surgery*

12:30 Illustrative cases tba P. B. Licht, Odense

13:00 Illustrative cases tba G. Cardillo, Rome

13:30 Illustrative cases tba P. van Schil, Edegem

#### 14:30 - 16:00 Intraoperative complications

Moderators: E. A. Rendina, Rome; M. Dusmet, London

Learning objectives:

- *The participants will discuss how to prevent and manage intraoperative complications*

14:30 Illustrative case tba

G. Stamatis, Essen

14:50 Illustrative case tba

D. Waller, Leicester

15:10 Lung Cancer and Pleural Empyema

C. K. C. Choong, Melbourne

15:30 Illustrative case tba

A. Sihoe, Hong Kong

## Monday 13 October 2014 Thoracic Disease Programme

08:15 - 09:45

### Thoracic Oncology I

Moderators: P. B. Licht, Odense; F. M. Melfi, Pisa; G. J. Kocher, Bern

Learning objectives:

- *To evaluate the assessment and the treatment of patients with pulmonary metastases*

- 08:15 The prognostic impact of lymph node dissection in pulmonary metastasectomy  
S. Shiono<sup>1</sup>, N. Matsutani<sup>2</sup>, S. Okumura<sup>2</sup>, J. Nakajima<sup>2</sup>, H. Horio<sup>2</sup>, M. Kohno<sup>2</sup>, N. Ikeda<sup>2</sup>, M. Kawamura<sup>2</sup>; <sup>1</sup>Yamagata (Japan), <sup>2</sup>Tokyo (Japan)  
*Discussant:* U. Pastorino,
- 08:30 EBUS-TBNA is a highly sensitive method to evaluate patients who should not undergo pulmonary metastasectomy.  
J. Eckardt<sup>1</sup>, P. B. Licht<sup>2</sup>; <sup>1</sup>Odense C (Denmark), <sup>2</sup>Odense (Denmark)  
*Discussant:* H. Dienemann,
- 08:45 Survival following pulmonary metastasectomy for sarcoma.  
L. Okiror<sup>1</sup>, A. Peleki<sup>2</sup>, D. Moffat<sup>2</sup>, A. Bille<sup>3</sup>, P. Rajesh<sup>2</sup>, R. Grimer<sup>2</sup>, M. Kalkat<sup>2</sup>; <sup>1</sup>West Wickham (United Kingdom), <sup>2</sup>Birmingham (United Kingdom), <sup>3</sup>Milan (Italy)  
*Discussant:* G. Stamatis, Essen
- 09:00 Long-term results and prognostic factors of pulmonary metastasectomy in patients with metastatic transitional cell carcinoma.  
L. Luzzi<sup>1</sup>, G. Marulli<sup>2</sup>, P. Solli<sup>3</sup>, G. Cardillo<sup>4</sup>, M. Ghisalberti<sup>1</sup>, F. Carleo<sup>5</sup>, L. Spaggiari<sup>6</sup>, F. Rea<sup>2</sup>; <sup>1</sup>Siena (Italy), <sup>2</sup>Padua (Italy), <sup>3</sup>milano (Italy), <sup>4</sup>rome (Italy), <sup>5</sup>Rome (Italy), <sup>6</sup>Milan (Italy)  
*Discussant:* M. Dusmet, London
- 09:15 Extended pulmonary metastasectomy: is it worthwhile?  
M. Casiraghi<sup>1</sup>, P. Solli<sup>1</sup>, F. Petrella<sup>2</sup>, J. Guarize<sup>1</sup>, L. Spaggiari<sup>1</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>Busto Arsizio - Varese (Italy)  
*Discussant:* L. Spaggiari, Milan
- 09:30 Intraoperative diagnosis of lymph node metastasis in non-small cell lung cancer by semi-dry dot-blot (SDB) method.  
K. Tomoshige<sup>1</sup>, T. Tsuchiya<sup>2</sup>, N. Yamasaki<sup>2</sup>, K. Matsumoto<sup>3</sup>, T. Miyazaki<sup>2</sup>, T. Nagayasu<sup>2</sup>; <sup>1</sup>Omura-city (Japan), <sup>2</sup>8501 (Japan), <sup>3</sup>Nagasaki (Japan)  
*Discussant:* R. Schmid, Berne

08:15 - 09:45

### Thoracic non-oncology I

Moderators: G. Cardillo, rome; M. Zielinski, Zakopane; B. Feil, Bolzano

Learning objectives:

- *the attendees will review the principles of the treatment of spontaneous pneumothorax and will discuss the basic principles of air leak treatment*

- 08:15 Recurrent primary spontaneous pneumothorax is more common than previously reported  
W. Olesen<sup>1</sup>, N. Katballe<sup>2</sup>, J. Sindby<sup>3</sup>, I. Titlestad<sup>1</sup>, R. Jacobsen<sup>1</sup>, P. Andersen<sup>1</sup>, P. B. Licht<sup>1</sup>; <sup>1</sup>Odense (Denmark), <sup>2</sup>Aarhus (Denmark), <sup>3</sup>Aalborg (Denmark)  
*Discussant:* G. Cardillo, rome
- 08:30 Risk factors for postoperative recurrence of spontaneous pneumothorax treated by VATS  
A. Imperatori, N. Rotolo, M. Spagnoletti, L. Festi, F. Berizzi, D. Di Natale, E. Nardecchia, L. Dominioni; Varese (Italy)  
*Discussant:* O. Fanucchi, Pisa
- 08:45 Juvenile catamenial pneumothorax: An institutional report and review  
T. Inoue<sup>1</sup>, M. Chida<sup>1</sup>, H. Inaba<sup>2</sup>, H. Inoue<sup>1</sup>, Y. Karube<sup>1</sup>, N. Seki<sup>1</sup>, S. Kobayashi<sup>1</sup>, T. Oyaizu<sup>1</sup>; <sup>1</sup>Mibu (Japan), <sup>2</sup>Shizuoka (Japan)  
*Discussant:* P. Ciriaco, cernusco sul naviglio
- 09:00 Postoperative air leak management with intrapleural instillation of fresh frozen plasma  
E. Konstantinou, K. Potaris, K. Syrigos, P. Tsiapas, G. Karagiouzis, M. Konstantinou; Athens (Greece)  
*Discussant:* P. Sardelli, Bari
- 09:15 Digital versus analogue chest tube drainage following lobectomy – a randomized trial.  
M. Lijkendijk<sup>1</sup>, P. B. Licht<sup>2</sup>, K. Neckelmann<sup>2</sup>; <sup>1</sup>Copenhagen (Denmark), <sup>2</sup>Odense (Denmark)  
*Discussant:* M. Ibrahim, Rome
- 09:30 The predictive role of “physiological” heterogeneity in the outcome of lung volume reduction surgery  
S. TENCONI<sup>1</sup>, I. Oey<sup>2</sup>, G. Carnassale<sup>3</sup>, S. Rathinam<sup>2</sup>, D. Waller<sup>2</sup>; <sup>1</sup>LEICESTER (United Kingdom), <sup>2</sup>Leicester (United Kingdom), <sup>3</sup>Roma (Italy)  
*Discussant:* W. Weder, Zurich

10:15 - 11:45

### Thoracic oncology II

Moderators: W. Weder, Zurich; M. F. Jimenez, Salamanca

Learning objectives:

- *The attendees will increase knowledge on relevant theoretical and practical aspects on non-small cell lung cancer*

- 10:15 Preresectional and intraoperative photodynamic therapy in locally advanced central non-small cell lung cancer  
A. Akopov, A. Rusanov, N. Kazakov, I. Chistiakov, A. Gerasin, A. Carlson; Saint-Petersburg (Russian Federation)  
*Discussant*: S. Margaritora, Rome
- 10:30 Surgical outcomes after pulmonary resection for non-small cell lung cancer with unexpected pleural metastasis first detected during surgery  
J. K. Yun<sup>1</sup>, Y. Kim<sup>2</sup>, G. D. Lee<sup>2</sup>, S. H. Choi<sup>2</sup>, H. R. Kim<sup>2</sup>, D. K. Kim<sup>2</sup>, S. Park<sup>2</sup>; <sup>1</sup>Seoul (Korea), <sup>2</sup>Seoul (Korea)  
*Discussant*: G. Cardillo, Rome
- 10:45 Video-Assisted Mediastinoscopic Lymphadenectomy (VAMLA) Combined With Video-Assisted Thoracic Surgery (VATS) for Left-sided Lung Cancer: Experience From Consecutive 225 Cases  
H. J. Kim, S. H. Choi, H. R. Kim, D. K. Kim, S. Park, Y. Kim; Seoul (Korea)
- 11:00 Surgical results of lung cancer with synchronous multiple ground-glass opacities and the management of the residual and new lesions  
Y. Shimada, K. Yoshida, Y. Kato, M. Hagiwara, M. Kakihana, N. Kajiwaru, T. Ohira, N. Ikeda; Tokyo (Japan)  
*Discussant*: D. Waller, Leicester
- 11:15 A comparison study of the proposed classifications for the revision of the N descriptors for non-small cell lung cancer  
G. D. Lee, D. K. Kim, S. H. Choi, H. R. Kim, Y. Kim, S. Park; Seoul (Korea)  
*Discussant*: G. Varela, Salamanca
- 11:30 Pathologic risk factors for recurrence in early stage lung adenocarcinoma  
H. Shin<sup>1</sup>, E. Yi<sup>1</sup>, J. Lee<sup>1</sup>, J. Chung<sup>1</sup>, K. Kim<sup>2</sup>, S. Jheon<sup>1</sup>, S. Cho<sup>1</sup>; <sup>1</sup>Seongnam-si (Korea), <sup>2</sup>Gyeonggi-do (Korea)  
*Discussant*: P. De Leyn, Leuven

#### 10:15 - 11:45

##### Mediastinum

Moderators: E. A. Rendina, Rome; E. Bishay, ; E. Belcher, Oxford

Learning objectives:

- *To increase knowledge of the tumours of the thymus including treatment of recurrent disease.*

- 10:15 Surgical treatment of recurrent thymoma: is it worthwhile?  
G. Marulli<sup>1</sup>, S. Margaritora<sup>2</sup>, G. Cardillo<sup>3</sup>, M. Lucchi<sup>4</sup>, A. Mussi<sup>4</sup>, P. Granone<sup>2</sup>, F. Carleo<sup>2</sup>, F. Rea<sup>1</sup>; <sup>1</sup>Padua (Italy), <sup>2</sup>Rome (Italy), <sup>3</sup>Rome (Italy), <sup>4</sup>Pisa (Italy)  
*Discussant*: F. Rea, Padua
- 10:30 Surgical management of Thymoma and Thymic Carcinoma: results in 158 patients  
M. Infante<sup>1</sup>, E. Voulaz<sup>1</sup>, E. Passera<sup>2</sup>, E. Bottoni<sup>1</sup>, A. Crepaldi<sup>1</sup>, V. Errico<sup>1</sup>, M. Andresi<sup>1</sup>, M. Alloisio<sup>1</sup>; <sup>1</sup>Rozzano (MI) (Italy), <sup>2</sup>Bergamo (Italy)  
*Discussant*: F. Detterbeck,
- 10:45 Predictive factors of myasthenic crisis after extended thymectomy for patients with myasthenia gravis  
T. Ando, M. Omasa, T. Kondo, T. Yamada, T. Menju, T. Sato, F. Chen, H. Date; Kyoto (Japan)  
*Discussant*: M. Lucchi, Pisa
- 11:00 Pleural recurrence of thymoma: surgical resection followed by hyperthermic intra-thoracic perfusion chemotherapy  
S. Korasidis, M. Ambrogi, S. Giarratana, M. Lucchi, F. Melfi, A. Mussi; Pisa (Italy)  
*Discussant*: H. Ris, Lausanne
- 11:15 The contact length between the tumor contour and lung on computed tomography is a risk factor for pleural recurrence after complete resection of thymoma  
T. Kato, T. Taniguchi, K. Kawaguchi, T. Fukui, F. Ishiguro, A. Hirakawa, S. Iwano, K. Yokoi; Nagoya (Japan)  
*Discussant*: L. Luzzi, Siena
- 11:30 Clinical results of surgical resection of mediastinal teratoma: Efficacy of video-assisted thoracic surgery using the cyst score  
S. K. Hwang, D. K. Kim, S. Park, Y. Kim, H. R. Kim, S. H. Choi; Seoul (Korea)  
*Discussant*: N. Novoa, Salamanca

#### 14:15 - 15:45

##### Chest wall

Moderators: F. Rea, Padua; M. S. Kalkat, Birmingham; J. R. M. De Campos, Sao Paulo

Learning objectives:

- *To identify the unique characteristics of surgical diseases involving chest wall*

- 14:15 Accuracy of Transthoracic Ultrasound for the Prediction of Chest Wall Infiltration by Lung Cancer and of Lung Infiltration by Chest Wall Tumors.  
G. Caroli<sup>1</sup>, A. Dell'Amore<sup>2</sup>, N. Cassanelli<sup>1</sup>, G. Dolci<sup>1</sup>, N. Asadi<sup>1</sup>, E. Pipitone<sup>3</sup>, F. Stella<sup>1</sup>, A. bini<sup>1</sup>; <sup>1</sup>Bologna (Italy), <sup>2</sup>Imola (Italy), <sup>3</sup>San Lazzaro (Bo) (Italy)  
*Discussant*: M. Kalkat, Birmingham
- 14:30 Ultrasound-assisted treatment of sternocutaneous fistula in poststernotomy cardiac surgery patients



- L. Tewarie<sup>1</sup>, A. Moza<sup>1</sup>, R. Zayat<sup>1</sup>, A. Goetzenich<sup>1</sup>, A. Menon<sup>2</sup>, R. Autschbach<sup>1</sup>; <sup>1</sup>Aachen (Germany), <sup>2</sup>Berlin (Germany)  
*Discussant*: H. K. Pilegaard, Aarhus
- 14:45 Audit of Trauma Practice in a Tertiary Referral Thoracic Surgical Centre in the UK  
N. Ismail<sup>1</sup>, R. Vaja<sup>1</sup>, V. Joshi<sup>2</sup>, A. Nakas<sup>1</sup>, D. Waller<sup>1</sup>, S. Rathinam<sup>1</sup>; <sup>1</sup>Leicester (United Kingdom), <sup>2</sup>Nottingham (United Kingdom)  
*Discussant*: K. Athanassiadi, Athens
- 15:00 predictors of complications after pectoralis major transposition for sternal dehiscence.  
S. Molenkamp, T. Waterbolk, M. Mariani, P. Werker; Groningen (Netherlands)  
*Discussant*: M. P. Tocco, Rome
- 15:15 The Morphology of the Thorax and Heart in Patients with Pectus Excavatum, and the Changes after Surgical Correction  
H. Iida<sup>1</sup>, K. Watanabe<sup>2</sup>, T. Ohashi<sup>3</sup>; <sup>1</sup>Kasugai, Aichi (Japan), <sup>2</sup>Kamakura (Japan), <sup>3</sup>Kasugai (Japan)  
*Discussant*: M. Yuksel, Istanbul
- 15:30 Primary malignant chest wall tumors: analysis of 40 patients  
R. Bagheri<sup>1</sup>, S. Z. Haghi<sup>2</sup>, M. R. Kalantari<sup>2</sup>, A. Sharifian Attar<sup>2</sup>, M. Salehi<sup>2</sup>, A. Tabari<sup>2</sup>, M. soudaneh<sup>2</sup>; <sup>1</sup>Mashad (Iran), <sup>2</sup>Mashhad (Iran)  
*Discussant*: G. Rocco, Naples
- 16:00 - 17:30**  
**Thoracic Rapid response session**  
Moderators: C. K. C. Choong, Melbourne; P. B. Rajesh, Birmingham; E. A. Rendina, Rome; K. Athanassiadi, Athens  
Learning objectives:  
• *To offer an overview of some aspects of thoracic pathology through an original and fast expert presentation*
- 16:00 Suction on chest drains following lung resection: evidence and practice are not aligned  
P. Lang<sup>1</sup>, M. Manickavasagar<sup>1</sup>, C. Burdett<sup>2</sup>, F. Fiorentino<sup>3</sup>, T. Treasure<sup>4</sup>, . UK Cardiothoracic Trainees' Research Collaborative<sup>5</sup>; <sup>1</sup>Brighton (United Kingdom), <sup>2</sup>Newcastle (United Kingdom), <sup>3</sup>London (United Kingdom), <sup>4</sup>Badlesmere (United Kingdom), <sup>5</sup>UK (United Kingdom)
- 16:09 Patch replacement of left hemidiaphragm in dog by cryopreserved heterograft  
H. Davari<sup>1</sup>, M. rahim<sup>1</sup>, N. Tanide<sup>2</sup>, M. Sani<sup>2</sup>, H. Tavakoli<sup>1</sup>, A. Rasekhi<sup>2</sup>, S. Gholami<sup>2</sup>, A. Monabbeti<sup>2</sup>; <sup>1</sup>Tehran (Iran), <sup>2</sup>Shiraz (Iran)
- 16:18 The Effect Of Diaphragmatic Plication On Chest Wall Dynamics  
G. Elshafie<sup>1</sup>, J. Acosta Canon<sup>1</sup>, A. Aliverti<sup>2</sup>, A. Bradley<sup>1</sup>, K. Parker<sup>1</sup>, P. Rajesh<sup>1</sup>, B. Naidu<sup>1</sup>; <sup>1</sup>Birmingham (United Kingdom), <sup>2</sup>Milano (Italy)
- 16:27 Upfront tracheal resection and anastomosis for post intubation tracheal stenosis: Is there still a role for endoscopic dilatation?  
H. Elsayed<sup>1</sup>, A. Mostafa<sup>2</sup>, S. Soliman<sup>2</sup>, T. Sobhy<sup>2</sup>, H. elbawab<sup>3</sup>; <sup>1</sup>CAIRO (Egypt), <sup>2</sup>Cairo (Egypt), <sup>3</sup>cairo (Egypt)
- 16:36 Plasmatic soluble epidermal growth factor receptor isoforms as biomarker in non-small-cell lung cancer patients  
F. M. Lococo, M. Paci, S. Maramotti, C. Rapicetta, S. Cavuto, T. Ricchetti, G. Sgarbi; Reggio Emilia (Italy)
- 16:45 A novel technique using preoperative lipiodol marking and fluoroscopy to identify an adequate resection margin in thorascopic segmentectomy for deep seated non-palpable ground glass nodules  
Y. HWANG, I. K. Park, C. H. Kang, Y. T. Kim; Seoul (Korea)
- 16:54 Salvage surgery after definitive chemoradiotherapy for nsclc  
M. Casiraghi<sup>1</sup>, P. Solli<sup>1</sup>, F. De Marinis<sup>1</sup>, F. Petrella<sup>2</sup>, J. Guarize<sup>1</sup>, L. Spaggiari<sup>1</sup>; <sup>1</sup>Milan (Italy), <sup>2</sup>Busto Arsizio - Varese (Italy)
- 17:03 Discharge of Thoracic Patients with Portable Suction Drainage Devices: Are they cost effective?  
D. Southey<sup>1</sup>, D. Pullinger<sup>1</sup>, S. Iggos<sup>1</sup>, N. Kumari<sup>1</sup>, I. Morgan<sup>2</sup>, P. Yiu<sup>1</sup>, J. Nandi<sup>1</sup>, H. Luckraz<sup>2</sup>; <sup>1</sup>wolverhampton (United Kingdom), <sup>2</sup>Wolverhampton (United Kingdom)
- 17:12 ECMO (Extracorporeal membrane oxygenation) in Thoracic Surgery  
M. Erol,  Kan, H. Melek, A. Bayram, M. Bicer, I. Signak, C. Gebitekin; Bursa (Turkey)
- 17:21 T3 Sympathectomy versus T3 Sympathicotomy for Palmar Hyperhidrosis: evolution of plantar hyperidrosis.  
M. Coelho, R. F. Kuenzer Caetano Da Silva, P. Guimarães, A. Francisco, A. F. Santos; Curitiba (Brazil)

08:15 - 09:45

**Thoracic Non Oncology II**

Moderators: F. M. Melfi, Pisa; A. Sihoe, Hong Kong; J. King,

Learning objectives:

- *To understand the principles of surgical treatment of uncommon and challenging conditions*

08:15

**congenital bronchiectasis**

T. Eshmuratov, B. Shirtaev, M. Sundetov, N. Zharylkapov, N. Zhunisov, A. Eleusizov, R. Kasenbaev, B. Akimniyazova; Almaty (Kazakhstan)

*Discussant:* A. Gonfiotti, Firenze

08:30

The Management of Bronchial Stumps in Anatomical Lung Segmentectomy

H. Oizumi<sup>1</sup>, H. Kato<sup>2</sup>, M. Endoh<sup>1</sup>, J. Suzuki<sup>1</sup>, H. Watarai<sup>2</sup>, M. Sadahiro<sup>2</sup>; <sup>1</sup>Yamagata-shi (Japan), <sup>2</sup>Yamagata (Japan)

*Discussant:* D. Gossot, Paris

08:45

Significant Changes in Trauma Presentation During the First Three Years of a UK Major Trauma Centre

S. Chaubey<sup>1</sup>, H. Khan<sup>2</sup>, P. Mandhu<sup>2</sup>, M. Uzzaman<sup>2</sup>, A. Zaheer<sup>2</sup>, M. Baghai<sup>2</sup>, D. Whitaker<sup>1</sup>; <sup>1</sup>London (United Kingdom), <sup>2</sup>RS (United Kingdom)

*Discussant:* P. Rajesh, Birmingham

09:00

Successful treatment of complicated post-pneumonectomy bronchopleural fistula with autogenous corticocancellous bone graft

V. Chittithavorn, C. Rergkhang, P. Duangpakdee; Hatyai (Thailand)

*Discussant:* D. Mathisen, Boston

09:15

The Use of Video-assisted Thoracoscopic Surgery in the Treatment of Lung Hydatid Cysts

L. Alpay, T. Lacin, I. Ocakcioglu, S. Evman, T. Dogruyol, M. Vayvada, V. Baysungur, I. Yalcinkaya; Istanbul (Turkey)

*Discussant:* D. Subotic, Belgrade

09:30

Results Of Laryngotracheal Resection And Anastomosis With Posterior Cricoidotomy In 31 Patients

F. Sadegh Beigee, S. Pojhan, A. Daneshvar Kakhaki, K. Sheikhy, S. R. Saghebi, M. B. Shadmehr, A. Abbasidezfouli; Tehran (Iran)

*Discussant:* P. Darteville, Le Plessis Robinson

10:15 - 11:45

**Oesophagus**

Moderators: D. J. Mathisen, Boston; S. Rathinam, Leicester; D. E. Wood, Seattle

Learning objectives:

- *the participants will learn the best way to work up and treat esophageal diseases*

10:15

5-Year Survival of Upper Third Esophageal Cancer Patients was Significantly Superior in Comparison with Middle and Lower Third Esophageal Cancer Patients after Radical Surgery and Strongly Depended on Phase Transition Early-Invasive Cancer, Lymph Node Metastases, Cell Ratio Factors and Adjuvant Chemoimmunoradiotherapy

O. Kshivets, Kaluga (Russian Federation)

*Discussant:* D. Wood, Seattle

10:30

External Validation of the Ferguson Pulmonary Risk Score for Predicting Major Pulmonary Complications after Esophagectomy

J. M. Reinersman<sup>1</sup>, M. Ferguson<sup>2</sup>, M. Allen<sup>1</sup>, C. Deschamps<sup>1</sup>, F. Nichols<sup>1</sup>, R. Shen<sup>1</sup>, D. Wigle<sup>1</sup>, S. Cassivi<sup>1</sup>; <sup>1</sup>Rochester (United States of America), <sup>2</sup>Chicago (United States of America)

*Discussant:* S. Rathinam, Leicester

10:45

Successful staged surgical treatment for aorto-esophageal fistula.

Y. Shirakawa<sup>1</sup>, T. Kuratani<sup>1</sup>, K. TORIKAI<sup>2</sup>, T. Sakamoto<sup>2</sup>, T. Shijo<sup>1</sup>, Y. Watanabe<sup>2</sup>, Y. Sawa<sup>2</sup>; <sup>1</sup>Suita (Japan), <sup>2</sup>Osaka (Japan)

*Discussant:* A. Oliaro, Turin

11:00 Repair of post-intubation tracheoesophageal fistulas through the left pre-sternocleidomastoid approach: A recent case-series of 13 patients

C. N. Foroulis, C. Nana, A. Kleontas, G. Tagarakis, P. Tossios, K. Anastasiadis; Thessaloniki (Greece)

*Discussant:* P. Darteville, Le Plessis Robinson

11:15

Evolution of treatment of esophageal surgery

D. Mathisen, Boston

10:15 - 11:45

**Lung transplantation**

Moderators: W. Klepetko, Vienna; R. V. Venkateswaran, ; J. Dark, Newcastle Upon Tyne

Learning objectives:

- *To understand indications, patient assessment and outcomes of lung transplantation.*

- 10:15 Long-term results after lung transplantation using organs from DCD compared to DBD donors: a propensity score matched analysis.  
A. Sabashnikov<sup>1</sup>, A. Popov<sup>2</sup>, B. Zych<sup>2</sup>, D. García Sáez<sup>2</sup>, F. De Robertis<sup>1</sup>, M. Amrani<sup>2</sup>, T. Bahrami<sup>1</sup>, A. Simon<sup>1</sup>; <sup>1</sup>Harefield (United Kingdom), <sup>2</sup>Harefield, London (United Kingdom)  
 Discussant: H. J. Ankersmit, Vienna
- 10:30 A Global Analysis of Contemporary Trends in Lung Re-transplantation. A Question of Selection.  
J. Hayanga<sup>1</sup>, M. Plets<sup>2</sup>, A. Woodwyk<sup>2</sup>, H. Kaiser<sup>3</sup>, R. Girgis<sup>2</sup>, A. Khaghani<sup>4</sup>; <sup>1</sup>49503 (United States of America), <sup>2</sup>Grand Rapids (United States of America), <sup>3</sup>Baltimore (United States of America)  
 Discussant: R. Schmid, Berne
- 10:45 A Risk Model to Predict Late-Onset Chronic Renal Failure Post Lung Transplantation  
J. Hayanga<sup>1</sup>, J. Aboagye<sup>2</sup>, H. Kaiser<sup>2</sup>, R. Girgis<sup>3</sup>, A. Khaghani<sup>3</sup>, J. D'Cunha<sup>4</sup>; <sup>1</sup>49503 (United States of America), <sup>2</sup>Baltimore (United States of America), <sup>3</sup>Grand Rapids (United States of America), <sup>4</sup>Pittsburgh (United States of America)  
 Discussant: R. Venkateswaran,
- 11:00 Early experience with Organ Care System (OCS) Lung for donor lungs preservation lung transplantation  
M. Schiavon, A. Rebusso, G. Marulli, C. Breda, G. Di Gregorio, M. Loy, S. Nicotra, F. Rea; Padua (Italy)  
 Discussant: W. Weder, Zurich
- 11:15 The Munich Lung Transplant Group: Use of intraoperative extracorporeal device with low versus high heparinization in lung transplantation  
 D. Hoechter, V. von Dossow Hanfstingl, S. Czerner, D. Bruegger, H. Winter, G. Preissler, B. Zwissler, R. Schramm; Munich (Germany)  
 Discussant: H. Ris, Lausanne
- 11:30 Blood Transfusion After Lung Transplantation - Impact on Early Function and Survival  
L. P. Ong<sup>1</sup>, Z. Tristan<sup>1</sup>, H. Muse<sup>1</sup>, K. Wallace<sup>1</sup>, S. Whitehead<sup>1</sup>, G. Parry<sup>1</sup>, S. Clark<sup>2</sup>; <sup>1</sup>Newcastle Upon Tyne (United Kingdom), <sup>2</sup>Newcastle (United Kingdom)  
 Discussant: L. Voltolini, Siena


#### 14:15 - 15:45

##### Basic Science

Moderators: P. B. Licht, Odense; H. J. Ankersmit, Vienna

Learning objectives:

- To improve knowledge in the field of basic science and to understand the relevance that basic science has in clinical practice

- 14:15 Discovery of different temporal free radical bursts during pulmonary ischemia-reperfusion injury  
J. Gielis<sup>1</sup>, G. Boulet<sup>2</sup>, J. Briedé<sup>3</sup>, T. Horemans<sup>2</sup>, T. Debergh<sup>1</sup>, M. Kusse<sup>1</sup>, P. Cos<sup>2</sup>, P. van Schil<sup>1</sup>; <sup>1</sup>Edegem (Belgium), <sup>2</sup>Wilrijk (Belgium), <sup>3</sup>Maastricht (Netherlands)  
 Discussant: I. Inci, Zurich
- 14:30 Hemofiltration in ex vivo lung perfusion – a study in experimentally-induced pulmonary oedema  
T. Nilsson<sup>1</sup>, C. Hansson<sup>2</sup>, A. Wallinder<sup>2</sup>, C. Malm<sup>2</sup>, M. Silverborn<sup>2</sup>, A. Laffin<sup>2</sup>, S. Ricksten<sup>2</sup>, G. Dellgren<sup>3</sup>; <sup>1</sup>Torslanda (Sweden), <sup>2</sup>Gothenburg (Sweden), <sup>3</sup>Göteborg (Sweden)  
 Discussant: P. B. Licht, Odense
- 14:45 Nanoliposomal mediated siRNA targeting of Ea.hy926 - a promising delivery method  
A. Nemeth<sup>1</sup>, A. Nolte-Karayel<sup>2</sup>, M. G. Stoleriu<sup>2</sup>, M. Mustafi<sup>2</sup>, V. Steger<sup>2</sup>, C. Schlensak<sup>2</sup>, H. P. Wendel<sup>2</sup>, T. Walker<sup>2</sup>; <sup>1</sup>Tübingen (Germany), <sup>2</sup>Tuebingen (Germany)  
 Discussant: H. J. Ankersmit, Vienna
- 15:00 Integrating Biodegradable 3D-bioprinting Technology into Tracheal Reconstruction  
T. Goldstein<sup>1</sup>, L. Smith<sup>2</sup>, D. Grande<sup>1</sup>, D. Zeltsman<sup>3</sup>; <sup>1</sup>Manhasset (United States of America), <sup>2</sup>New Hyde Park (United States of America), <sup>3</sup>Great Neck (United States of America)  
 Discussant: T. Walles, Wuerzburg
- 15:15 Antitumor efficacy of the double suicide genes in lung cancer cells  
C. Shen<sup>1</sup>, G. Che<sup>2</sup>; <sup>1</sup>chengdu (China), <sup>2</sup>Cheng Du (China)  
 Discussant: G. Veronesi,
- 15:30 Effect of repeated administration of adipocyte-derived mesenchymal stem cells on a murine model of bronchiolitis obliterans  
W. Lorenzi, F. Gonçalves, N. Schneider,  Silva, A. H. Paz, M. Saueressig; Porto Alegre (Brazil)  
 Discussant: M. Norgaard, Aalborg

#### 14:15 - 15:45

##### Controversies in Thoracic Surgery

Moderators: M. Dusmet, London; L. Spaggiari, Milan

- 14:15 Predictors of Non-Cancerous Lesion in Lung Tumor Showing Ground Glass Opacity on Thin-section Computed Tomography Based on the Multi-institutional Prospective Study  
K. Suzuki<sup>1</sup>, S. Watanabe<sup>1</sup>, J. Mizusawa<sup>1</sup>, Y. Moriya<sup>2</sup>, I. Yoshino<sup>2</sup>, M. Tsuboi<sup>3</sup>, H. Tada<sup>4</sup>, H. Asamura<sup>1</sup>; <sup>1</sup>Tokyo (Japan), <sup>2</sup>Chiba (Japan), <sup>3</sup>Yokohama (Japan), <sup>4</sup>Osaka (Japan)  
 Discussant: A. Sihoe, Hong Kong

- 14:30 Lobectomy vs sublobar resection for T1a lung cancer: Pro Lobectomy  
M. Dusmet, London
- 14:45 Lobectomy vs sublobar resection for T1a lung cancer: Pro sublobar resection  
A. Sihoe, Hong Kong
- 15:00 Long term results of surgical treatment of non-small cell lung cancer with N2 involvement - institutional experience.  
C. Piwkowski, P. Gabryel, M. Kasprzyk; Poznan (Poland)  
*Discussant*: P. van Schil, Edegem
- 15:15 Discussion - Stage IIIA-N2 is a surgical disease: Pro  
R. Schmid, Berne
- 15:30 Discussion - Stage IIIA-N2 is a surgical disease: Con  
S. Senan, Amsterdam

#### 16:00 - 17:30

##### **Linking resection and reconstruction of intrathoracic organs**

Moderators: D. J. Mathisen, Boston; M. Czerny, Zurich; E. Quintana, Rochester

Learning objectives:

- *the aim is to broaden knowledge about the feasibility and meaningfulness of extensive oncologic and infectious thoracic repair affecting the aorta, its branches as well as the esophagus and the bronchial tree.*

- 16:00 Extensive resection of non-vascular intrathoracic structures  
W. Klepetko, Vienna
- 16:15 Surgical Treatment of Superior Sulcus Tumors. A 15-Year Single Centre Experience.  
P. Solli<sup>1</sup>, L. Spaggiari<sup>2</sup>; <sup>1</sup>milano (Italy), <sup>2</sup>Milan (Italy)  
*Discussant*: P. Dartevelle, Le Plessis Robinson
- 16:30 Advanced techniques for T4 involvement  
G. Friedel, Gerlingen
- 16:45 Safety and effectiveness of concomitant induction chemo-radiation followed by surgical resection for Pancoast tumor  
G. Marulli<sup>1</sup>, C. Breda<sup>1</sup>, L. Battistella<sup>1</sup>, A. Favaretto<sup>2</sup>, A. Zuin<sup>2</sup>, M. Schiavon<sup>1</sup>, L. Loreggian<sup>2</sup>, F. Rea<sup>1</sup>; <sup>1</sup>Padua (Italy), <sup>2</sup>Padova (Italy)  
*Discussant*: W. Klepetko, Vienna
- 17:00 Thoracic aortic repair warranting additional treatment of extraaortic structures  
M. Czerny, Berne
- 17:15 Prosthetic Vascular Graft Infection Complicated by Mediastinitis: A Multi-Center Review  
T. Oda<sup>1</sup>, K. Minatoya<sup>2</sup>, J. Kobayashi<sup>3</sup>, Y. Okita<sup>4</sup>, H. Tanaka<sup>5</sup>, N. Kawaharada<sup>6</sup>, Y. Saiki<sup>7</sup>, Y. Kuniyoshi<sup>8</sup>; <sup>1</sup>Suita-Shi (Japan), <sup>2</sup>Suita (Japan), <sup>3</sup>Osaka (Japan), <sup>4</sup>Kobe (Japan), <sup>5</sup>Kurume-shi (Japan), <sup>6</sup>Sapporo (Japan), <sup>7</sup>Sendai City (Japan), <sup>8</sup>Okinawa (Japan)  
*Discussant*: Y. Okita, Kobe

## Wednesday, October 15, 2014 Thoracic Disease Programme

### 08:30 - 10:00 Thoracic video session

Moderators: R. Milton, Leeds; G. Rocco, Naples; P. B. Rajesh, Birmingham; H. Decaluwe, Leuven

08:30 Complete Anterior Chest Wall Resection and Reconstruction For Locally Advanced Breast Cancer

H. Wee, F. Akbar, K. Rajapaksha, D. Aneez; Singapore (Singapore)

08:45 Novel approach for pulmonary endarterectomy facilitates access to the left lower lobe branches

C. Biancosino, I. Tudorache, M. Hoepfer, F. Ius, P. yablonskii, C. Fegbeutel, A. Haverich, S. Cebotari; Hannover

(Germany)

09:00 VATS ligation of thoracic duct, posterior approach

M. Elsaegh, J. Dunning, J. Wallis; Middlesbrough (United Kingdom)

09:15 VATS left lower lobe basilar segmentectomy for intrapulmonary sequestration

T. Lacin, Z. Bilgi, B. Yıldızeli, H. Batirel; Istanbul (Turkey)

09:30 VATS Tunnel technique: early division of the fissure with staplers in the fissureless patient.

H. Decaluwe, Leuven

### 08:30 - 10:00

#### **Wetlab - Thoracic sympathectomy & Vascular repair techniques**

Moderators: P. B. Licht, Odense; E. Fadel, LE PLESSIS ROBINSON

Learning objectives:

- *The attendees will learn different surgical techniques of thoracic sympathectomy and vascular repairs. Practical demonstrations will be given and, at the end of the session, the participants will be able to perform such techniques.*

## Vascular Disease Programme

### Sunday 12 October 2014

Plenary session - Delivering Value in Healthcare: A vision for Innovation

Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

Different patterns of bicuspid aortic valve associated proximal aortopathy: RESECT or RESPECT? Postgraduate Course

EACTS/ STS aortic session- Controversies in treating the distal aorta with and without previous proximal repair- wire or knife Postgraduate Course

EACTS/ STS aortic session- How to treat type B aortic dissection- one question, many answers, which solution? Postgraduate Course

### Monday 13 October 2014

Part I: Aortic arch interventions - debranching, rebranching, stenting and beyond Professional Challenge 08:15-11:45

Part II: Cannulation issues in aortic surgery- doing things right or doing the right things Professional Challenge 08:15-11:45

Complicated Type A aortic dissection- malperfusion and outcome Abstract 14:15-15:45

Proximal thoracic aortic pathology- variations on a theme Focus Session 16:00-17:30

### Tuesday 14 October 2014

Outcome in challenging surgery Abstract 08:15-09:45

Thoraco-abdominal aortic repair reloaded Abstract 10:15-11:45

Linking resection and reconstruction of intrathoracic organs Focus Session 16:00-17:30

Thoracoabdominal aortic pathology- a functional approach in preserving spinal cord integrity Abstract 14:15-15:45

Aortic rapid fire session- fire and ice in aortic medicine Abstract 16:00-17:30

### Wednesday 15 October 2014

WetLab : Elephant trunk, frozen elephant trunk and total arch replacement Advanced Techniques 08:30-12:00

Wetlab - Thoracic sympathectomy & Vascular repair techniques Advanced Techniques 08:30-12:00

## Sunday, October 12, 2014 Vascular Disease Programme

**08:30 - 10:00**

### Plenary session - Delivering Value in Healthcare: A vision for Innovation

Moderators: P. E. van Schil, Edegem; D. Pagano, Birmingham

08:30 From paternalism to partnership

J. Rich, Norfolk

08:50 Getting more from less

B. Keogh, London

09:10 Leadership

D. Wood, Seattle

09:30 Innovation and industry: a new understanding

A. Lansky, New Haven

09:50 Panel discussion

**13:00 - 15:00**

### Circulating viewpoints - Consent: Is it understood: Why should I have the operation?

Moderators: A P Kapetein; J L Pomar,

Learning objectives:

- *Teamwork means never having to take all the blame (yourself)*
- *Sharing the blame (responsibility)*

13:00 Low mortality or failure to rescue

S. Westaby, Oxford

13:30 Success from the patient point of view

T. Goldsworthy, Tewkesbury

14:00 Doctor please explain the treatment

B. Leigh, London

14:30 Understanding risk in a risk averse world

B. Smit, Rotterdam

### Post Graduate Course

**10:30 - 12:00**

### Different patterns of bicuspid aortic valve associated proximal aortopathy: RESECT or RESPECT?

Moderators: T. Carrel, Berne; D. Cameron, Baltimore; F. Kari, Freiburg

Learning objectives:

- *To understand the different patterns, clinical implications and surgical consequences nature confronts us with in bicuspid and ascending disease*

10:30

How to classify aortopathy and bicuspid aortic valves?

A. Della Corte, Naples

10:45

The genomic view on aortic valve disease

A. Gittenberger-de Groot, Leiden

11:00

A practical clinical guide for the extent of resection in bicuspid aortopathy

R. De Paulis, Rome

11:15

The arch issue in bicuspid aortopathy - RESECT or RESPECT?

11:30

Confusion, consent and future developments - genomics, flow or still diameter?

C. D. Etz, Leipzig

11:45

Discussion & wrap up by chairmen

13:00 - 14:30

EACTS/ STS aortic session- Controversies in treating the distal aorta with and without previous proximal repair- wire or knife

Moderators: E. Roselli, Cleveland; C. A. Mestres, Barcelona; B. Rylski, Freiburg

Learning objectives:

- *obtaining insights of the natural course in post dissection and non post dissection descending disease, understanding risk factors for dilation and learning to choose the adequate therapy at the adequate timepoint- and of course learn upon the differences and similarities in treatment algorithms between the US and Europe*

13:00

The treatment of the chronically dissected arch and the descending aorta after previous type A repair- the European approach- indications, timing, strategy and pathophysiological implications

D. Pacini, Bologna

13:15

Aortic Remodelling in Aortic Dissection after Frozen Elephant Trunk

D. Dohle, K. Tsagakis, A. Janosi, J. Benedik, H. Kühl, L. Penkova, D. Wendt, H. Jakob; Essen (Germany)

*Discussant:* R. Di Bartolomeo, Bologna

13:30

Aortic Arch Surgery after Previous Type A Dissection Repair. Early to Midterm Results

P. Bajona, E. Quintana, H. Schaff, R. Daly, J. Dearani, K. Greason, A. Pochettino; Rochester (United States of America)

*Discussant:* K. Tsagakis, Essen

13:45



The treatment of the chronically dissected arch and the descending aorta after previous type A repair- the US perspective

J. Bavaria, Philadelphia

14:00

Early and midterm outcome of secondary interventions after thoracic endovascular aortic repair

M. Nozdrzykowski, J. Garbade, C. D. Etz, M. Luehr, A. Schmidt, M. Misfeld, M. Borger, F. Mohr; Leipzig (Germany)

*Discussant:* S. Folkmann, Vienna

14:15

Impact of surgical experience on outcome in surgery of acute type A aortic dissection

P. Urbanski, Bad Neustadt

14:45 - 16:30

EACTS/ STS aortic session- How to treat type B aortic dissection- one question, many answers, which solution?

Moderators: H. G. Jakob, Essen; J. E. Bavaria, Philadelphia; F. Schoenhoff, Bern

Learning objectives:

- *obtaining insights of the natural course in post dissection descending disease, understanding risk factors for dilation and learning to choose the adequate therapy at the adequate time point - and of course learn upon the differences and similarities in treatment algorithms between the US and Europe*

14:45

The European approach

M. Grabenwöger, Vienna

15:00

Distal Aortic Reintervention After Surgery for Acute Type A Aortic Dissection: Open versus Endovascular Repair

B. Rylski<sup>1</sup>, F. Beyersdorf<sup>1</sup>, N. Desai<sup>2</sup>, M. Siepe<sup>1</sup>, F. Kari<sup>1</sup>, P. Vallabhajosyula<sup>2</sup>, R. Milewski<sup>2</sup>, J. Bavaria<sup>2</sup>; <sup>1</sup>Freiburg (Germany), <sup>2</sup>Philadelphia (United States of America)

*Discussant:* K. Kallenbach, Heidelberg

15:15

The perspective of the US

E. Roselli, Cleveland

15:30

Stentgraft first staged repair of type 2 thoracoabdominal aneurysm: the endovascular elephant trunk

A. Vivacqua, J. Idrees, D. Johnston, E. Soltesz, L. Svensson, E. Roselli; Cleveland (United States of America)

*Discussant:* M. A. A. M. Schepens, Brugge

15:45

Is pathophysiology and treatment different in Japan?

Y. Okita, Kobe

16:00

Impact of entry site on late outcome in acute Stanford type B aortic dissection

T. Kitamura, S. Torii, N. Oka, T. Horai, K. Itatani, M. Shibata, T. Tamura, K. Miyaji; Sagamihara (Japan)

*Discussant:* S. Trimarchi, San Donato

16:15

Discussion and wrap up by chairmen

## Monday, October 13, 2014 Vascular Disease Programme

08:15 - 09:45

### Part I: Aortic arch interventions - debranching, rebranching, stenting and beyond

Moderators: M. Grabenwöger, Vienna; J. L. Pomar, Barcelona; M. Luehr, Leipzig

Panel: R. Di Bartolomeo, Bologna; M. Grabenwöger, Vienna; R. H. Heijmen, Nieuwegein

08:15

The evolution of aortic arch surgery

T. Carrel, Berne

08:25

Open Aortic Arch Replacement In High Risk Patients: The Gold Standard

M. Iafrancesco, A. Ranasinghe, V. Dronavalli, D. Adam, M. Claridge, P. Riley, I. McCafferty, J. Mascaro; Birmingham (United Kingdom)

Discussant: T. Kuratani, Osaka

08:40

Dismantlement of an hybrid arch repair

E. Quintana, A. Pochettino; Rochester (United States of America)

08:50

Factors favoring retrograde aortic dissection after endovascular aortic arch repair.

T. A. Gandet, Montpellier (France)

Discussant: K. Park, Geyonggi-do

09:05

Total arch replacement from left thoracotomy

Y. Okita, S. Miyahara, M. Matsumori, T. Inoue, N. Morimoto, K. Okada; Kobe (Japan)

09:15

Debranching the aortic arch with and without cardiopulmonary bypass

H. Jakob, Essen

09:25

Frozen elephant trunk implantation- a position statement from EACTS

M. Shrestha, Hannover

09:40

Wrap up by chairmen

10:15 - 11:45

### Part II: Cannulation issues in aortic surgery- doing things right or doing the right things

Moderators: R. De Paulis, Rome; W. Harringer, Braunschweig

Panel: R. Di Bartolomeo, Bologna; M. Grabenwöger, Vienna; R. H. Heijmen, Nieuwegein; M. Shrestha, Hannover

Learning objectives:

- *to have a straight and practical overview of any current arterial cannulation technique available for acute and chronic thoracic aortic pathology*

10:15

Cannulation issues in aortic surgery- More confusion or more clarity?

J. Bachet, NOGENT sur MARNE

10:35

Subclavian artery cannulation with side graft

S. Folkmann, Vienna

10:40

Subclavian artery cannulation without side graft

D. Reser, Zürich

10:45

Carotid artery cannulation

A. Lenos, Bad Neustadt

10:50

Brachiocephalic cannulation

M. Di Eusanio, Bologna

10:55

Direct ascending cannulation

K. Tsagakis, Essen

11:00

Femoral artery cannulation

M. Luehr, Leipzig

11:05

Discussion

11:30

Innominate Artery Cannulation for Proximal Aortic Surgery: Outcomes and Neurologic Events in 263 Patients

O. Preventza, A. Garcia, A. Tuluca, M. Henry, F. Bakaeen, S. Omer, L. Cornwell, J. Coselli; Houston (United States of America)

Discussant: P. Bougioukakis, Bad Neustadt

14:15 - 15:45

Complicated Type A aortic dissection- malperfusion and outcome

Moderators: R. M. ; Almeida, Cascavel; L. Di Marco, Bologna

Learning objectives:

- *to learn upon the impact of malperfusion on outcome and to adopt, adapt and improve perfusion strategies in these situations.*

14:15

Total arch replacement vs. more conservative management in type A acute aortic dissection

M. Di Eusanio, P. Berretta, G. Folesani, M. Cefarelli, J. alfonsi, G. Murana, S. Castrovinci, R. Di Bartolomeo; Bologna (Italy)

*Discussant:* C. Hagl, Munich

14:30

Extraanatomic Revascularisation for Distal Occlusion of the Left or Right Common Carotid Artery in Acute Type A Aortic Dissection with Cerebral Malperfusion

M. Luehr, C. D. Etz, L. Lehmkuhl, M. Misfeld, F. Bakhtiary, M. Borger, F. Mohr; Leipzig (Germany)

*Discussant:* G. Weiss, Vienna

14:45

Italian Multicentric Study for Type A Acute Aortic Dissection: 33 years follow-up

C. Russo<sup>1</sup>, R. Lorusso<sup>2</sup>, G. Mariscalco<sup>3</sup>, A. Miceli<sup>4</sup>, P. Santè<sup>5</sup>, B. De Chiara<sup>1</sup>, I. Bonadei<sup>6</sup>, M. Glauber<sup>4</sup>; <sup>1</sup>Milano (Italy), <sup>2</sup>Brescia (Italy), <sup>3</sup>Varese (Italy), <sup>4</sup>Massa (Italy), <sup>5</sup>Naples (Italy), <sup>6</sup>brescia (Italy)

*Discussant:* M. Karck, Heidelberg

15:00

Can antegrade and retrograde perfusion and early organ perfusion decrease mortality from acute type A aortic dissection associated with malperfusion?

K. Imoto, K. Uchida, N. Karube, S. Yasuda, S. Isoda, S. Suzuki, M. Masuda, M. Oba; Yokohama (Japan)

*Discussant:* H. Jakob, Essen

15:15

Pattern analysis of carotid malperfusion with acute type A aortic dissection and its impact on neurological outcome.

T. Shimamoto<sup>1</sup>, T. Komiya<sup>2</sup>, H. Tsuneyoshi<sup>2</sup>; <sup>1</sup>710-8602 (Japan), <sup>2</sup>Kurashiki (Japan)

*Discussant:* T. Sioris, Tampere

15:30

Should Neurologic Symptoms Still Preclude Surgery In Acute Type A Aortic Dissection?

H. Most<sup>1</sup>, B. Reinhard<sup>1</sup>, B. Gahl<sup>2</sup>, A. Weber<sup>1</sup>, L. Englberger<sup>3</sup>, A. Kadner<sup>2</sup>, T. Carrel<sup>2</sup>, C. Huber<sup>2</sup>; <sup>1</sup>Bern (Switzerland), <sup>2</sup>Berne (Switzerland), <sup>3</sup>Berne (Austria)

*Discussant:* E. Saadi, Porto Alegre

16:00 - 17:30

Proximal thoracic aortic pathology- variations on a theme

Moderators: C. D. Etz, Leipzig; H. Schäfers, Homburg/Saar; J. Dumfarth, New Haven

Learning objectives:

- *to learn upon different aspects of proximal thoracic aortic pathology from hemodynamic factors to connective tissue disease.*

## Tuesday, October 14, 2014 Vascular Disease Programme

08:15 - 09:45

### Thoraco-abdominal aortic repair reloaded

Moderators: R. Di Bartolomeo, Bologna; F. Mohr, Leipzig; G. Weiss, Vienna

Learning objectives:

- *Learning objectives- the aim is to broaden knowledge upon the feasibility and meaningfulness of open thoracic and thoracocabdominal aortic repair.*

08:15

Current practice in thoracoabdominal aortic surgery

R. Chiesa, Milan

08:35

Hypothermic circulatory arrest

J. Bavaria, Philadelphia

08:45

Partial extracorporeal circulation

J. Schmidli, Berne

08:55

Left heart bypass technique

M. A. A. M. Schepens, Brugge

09:05

Total endovascular thoracoabdominal aortic repair

T. Resch, Malmö

09:15

The EACTS position paper on neuroprotection

C. D. Etz, Leipzig

09:25

Contemporary Approach Of Thoracoabdominal Aortic Repair Using Moderate To Deep Hypothermia Combined With Target Reconstruction Of The Adamkiewicz Artery

H. Tanaka<sup>1</sup>, K. Minatoya<sup>2</sup>, H. Sasaki<sup>3</sup>, T. Oda<sup>2</sup>, T. Itonaga<sup>3</sup>, J. Kobayashi<sup>3</sup>, <sup>1</sup>Kobe (Japan), <sup>2</sup>Suita (Japan), <sup>3</sup>Osaka (Japan)

*Discussant:* G. Melissano, Milan

09:40

Discussion

10:15 - 11:45

### Thoracoabdominal aortic pathology- a functional approach in preserving spinal cord integrity

Moderators: M. A. A. M. Schepens, Brugge; D. Pacini, Bologna; S. Geisbusch, Munich

Learning objectives:

- *to learn upon different strategies to monitor function and preserve integrity of the spinal cord in an experimental and clinical scenario.*

10:15

Shock wave treatment reduces neuronal degeneration upon spinal cord ischemia after aortic cross clamp

J. Holfeld<sup>1</sup>, C. Tepeköylü<sup>1</sup>, D. Lobenwein<sup>1</sup>, R. Kozaryn<sup>1</sup>, E. Pechriggl<sup>1</sup>, M. Bitsche<sup>1</sup>, F. Helga<sup>1</sup>, P. Paulus<sup>2</sup>; <sup>1</sup>Innsbruck (Austria), <sup>2</sup>Frankfurt (Germany)

*Discussant:* J. Mascaro, Birmingham

10:30

Transesophageal spinal cord stimulation for motor evoked potentials monitoring: feasibility, safety and stability

K. Tsuda, N. Shiiya, D. Takahashi, K. Ohkura, K. Yamashita, Y. Kando; Hamamatsu (Japan)

*Discussant:* V. Mosquera Rodriguez, A Coruña

10:45

The assessment of collateral communication after staged hybrid repair for Crawford extent II thoracoabdominal aortic aneurysms

T. Shijo<sup>1</sup>, T. Kuratani<sup>1</sup>, Y. Shirakawa<sup>2</sup>, K. TORIKAI<sup>2</sup>, T. Sakamoto<sup>2</sup>, Y. Watanabe<sup>2</sup>, Y. Sawa<sup>2</sup>; <sup>1</sup>Suita (Japan), <sup>2</sup>Osaka (Japan)

*Discussant:* R. Almeida, Cascavel

11:00

Spinal Cord Injury after Endovascular Treatment for Thoracoabdominal Aneurysm or Dissection

M. Kato, Osaka (Japan)

*Discussant:* T. Resch, Malmö

11:15

Intra-operative motor evoked potential changes, procedure alterations and neurological outcome in thoracic and thoracoabdominal aortic aneurysm repair

F. Jafarzadeh, A. Oo, M. Kuduvalli, D. Harrington, M. BASHIR, M. Field, M. Desmond; Liverpool (United Kingdom)

*Discussant:* P. Tozzi, Lausanne

11:30

Evaluation of the downstream aorta after frozen elephant trunk repair for aortic dissections in terms of diameter and false lumen status.

G. Weiss<sup>1</sup>, D. Santer<sup>1</sup>, S. Folkmann<sup>1</sup>, J. Dumfarth<sup>2</sup>, H. Pisarik<sup>1</sup>, M. Harrer<sup>1</sup>, F. Waldenberger<sup>1</sup>, M. Grabenwöger<sup>1</sup>; <sup>1</sup>Vienna (Austria), <sup>2</sup>Innsbruck (Austria)

*Discussant:* P. Oberwalder, Graz

14:15 - 15:45

### Outcome in challenging surgery

14:15

Long-term follow-up assesment of surgical treatment of chronic thromboembolic pulmonary hypertension

A. Chernyavskiy, A. Edemskiy, M. Chernyavskiy, A. Tarkova, V. Efimenko, S. Ivanov; Novosibirsk (Russian Federation)

*Discussant:* A. M. D'Armini, Pavia

14:30

Peripheral or Central Cannulation in acute Type A Dissection - Does it really matter? -

S. Klotz<sup>1</sup>, T. Hanke<sup>2</sup>, M. Petersen<sup>1</sup>, H. Sievers<sup>2</sup>; <sup>1</sup>Lübeck (Germany), <sup>2</sup>Luebeck (Germany)

*Discussant:* B. Rylski, Freiburg

14:45

Early and late outcome after surgery for acute type A aortic dissection in the elderly

P. G. Malvindi, A. Modi, S. Miskolczi, S. Ohri, C. Barlow, S. Livesey, G. Tsang, T. Velissaris; Southampton (United Kingdom)

*Discussant:* C. Olsson, Stockholm

15:00

Long-term results after open aortic arch surgery for aneurysms and type A aortic dissections - comparable outcomes beyond the perioperative period

A. Bernhardt, J. Brickwedel, J. Jahn, M. Coutandin, D. Biermann, H. Reichenspurner, C. Detter; Hamburg (Germany)

*Discussant:* M. Grabenwöger, Vienna

15:15

Twelve-year surgical experience with Type A aortic dissection: the impact of age on early and long term outcomes

A. Colli<sup>1</sup>, M. Carrozzini<sup>2</sup>, M. Galuppo<sup>1</sup>, D. Gregori<sup>1</sup>, M. Comisso<sup>1</sup>, F. Toto<sup>1</sup>, G. Gerosa<sup>2</sup>; <sup>1</sup>Padova (Italy), <sup>2</sup>Padua (Italy)

*Discussant:* T. Myrmel, Tromsø

15:30

Gender-specific differences in outcome of ascending aortic surgery

C. Beller, P. Seppelt, M. Farag, S. Wannaku, M. Karck, K. Kallenbach; Heidelberg (Germany)

*Discussant:* D. Aicher, Homburg/Saar

16:00 - 17:30

Aortic rapid fire session- fire and ice in aortic medicine

Moderators: M. Misfeld, Leipzig; G. Wimmer-greinecker, Bad Bevensen; P. Tozzi, Lausanne; L. Botta, Milan

Learning objectives:

- *to go on an exciting journey through -contemporary issues from the aortic root to the bifurcation.*

16:00

Percutaneous Treatment of Adult Post-Isthmic Aortic Coarctation: Acute and Long-Term Outcomes With A Self-Expandable Uncovered Nitinol Stent

S. Kische<sup>1</sup>, G. D'Ancona<sup>2</sup>, J. Ortak<sup>1</sup>, H. Ince<sup>1</sup>; <sup>1</sup>Berlin (Germany), <sup>2</sup>palermo (Italy)

16:10

Virtual angioscopic evaluation of formation and progression of ulcer like projection in patients with thrombosed type acute aortic dissection

T. Miyamoto, K. Imoto, K. Uchida, N. Karube, S. Yasuda, Y. Matsuki, M. Masuda; Yokohama (Japan)

16:20

Elastic properties of the juvenile aorta – New insights from a novel porcine ex vivo perfusion model

T. Krüger<sup>1</sup>, A. Grigoraviciute<sup>1</sup>, K. Veseli<sup>1</sup>, D. Schibilsky<sup>2</sup>, H. P. Wendel<sup>2</sup>, W. Schneider<sup>2</sup>, C. Schlensak<sup>2</sup>; <sup>1</sup>Tübingen (Germany), <sup>2</sup>Tuebingen (Germany)

16:30

Impact of clinical factors and surgical techniques on early outcome of patients treated with frozen elephant trunk techniques: Results of a multicenter study

S. Leontyev<sup>1</sup>, K. Tsagakis<sup>2</sup>, R. Di Bartolomeo<sup>3</sup>, D. Pacini<sup>3</sup>, F. Mohr<sup>1</sup>, M. Grabenwöger<sup>4</sup>, J. Mascaro<sup>5</sup>, H. Jakob<sup>2</sup>; <sup>1</sup>Leipzig (Germany), <sup>2</sup>Essen (Germany), <sup>3</sup>Bologna (Italy), <sup>4</sup>Vienna (Austria), <sup>5</sup>Birmingham (United Kingdom)

16:40

Xenopericardial roll graft replacement to treat infectious pseudoaneurysm or graft infection of thoracic and thoracoabdominal aorta

H. Kubota<sup>1</sup>, H. Endo<sup>2</sup>, M. Noma<sup>1</sup>, H. Tsuchiya<sup>1</sup>, Y. Takahashi<sup>1</sup>, Y. Inaba<sup>1</sup>, Y. Nishino<sup>1</sup>, A. Tsuboi<sup>1</sup>; <sup>1</sup>Tokyo (Japan), <sup>2</sup>6-20-2, Shinkawa, Mitaka, Tokyo (Japan)

16:50

Mid-term outcomes of emergent total arch replacement for acute type A aortic dissection

S. Miyahara, T. Sakamoto, Y. Nomura, N. Morimoto, T. Inoue, M. Matsumori, K. Okada, Y. Okita; Kobe (Japan)

17:00

Impact of cystic medial necrosis on the early and late outcome of patients with aortic dissection

T. Fujiyoshi<sup>1</sup>, K. Minatoya<sup>1</sup>, Y. Ikeda<sup>2</sup>, H. Ishibashi-Ueda<sup>3</sup>, T. Morisaki<sup>1</sup>, H. Ogino<sup>4</sup>; <sup>1</sup>Suita (Japan), <sup>2</sup>suita (Japan), <sup>3</sup>5-7-1, Fujishirodai, Suita, Osaka (Japan), <sup>4</sup>Tokyo (Japan)

17:10

"Let it beat" – Continuous cardiac perfusion during complex aortic arch repair.

A. Martens, N. Koigeldiyev, E. Beckmann, F. Fleissner, T. Kaufeld, H. Krueger, A. Haverich, M. Shrestha; Hannover (Germany)

## Wednesday, October 15, 2014 Vascular Disease Programme

**09:00 - 12:30**

### **Elephant trunk, frozen elephant trunk and total arch replacement**

Moderators: M. Shrestha, Hannover; J. Pepper, London; M. Czerny, Zurich

**08:30 - 10:00**

### **Wetlab - Thoracic sympathectomy & Vascular repair techniques**

Moderators: P. B. Licht, Odense; E. Fadel, LE PLESSIS ROBINSON

Learning objectives:

- *The attendees will learn different surgical techniques of thoracic sympathectomy and vascular repairs. Practical demonstrations will be given and, at the end of the session, the participants will be able to perform such techniques.*

## General Interest & Professional Development Programmes

### Sunday 12 October 2014

Plenary session - Delivering Value in Healthcare: A vision for Innovation  
Circulating viewpoints - Consent: Is it understood: Why should I have the operation?  
Basic Science session 3  
Basic science session 2  
Basic Science  
Nurses session 1  
Nurses session 2  
Nurses session 3  
Nurses session 4  
Nurses session 5

Plenary	08:30-10:00
Focus	13:00-15:00
Postgraduate Course	10:30-12:00
Postgraduate Course	13:00-14:30
Postgraduate Course	14:30-16:00

### Monday 13 October 2014

Work in progress abstract session  
Nightmares in cardiothoracic surgery  
Pro and Cons debates  
Simulation Lab: Mitral valve surgery

Focus	10:15-11:45
Focus	14:15-15:45
Focus	16:00-17:30
Focus	08:30-17:00

### Tuesday 14 October 2014

Meet the expert  
Training in minimally invasive cardiothoracic surgery  
Pitfalls and trouble shooting in Minimally invasive:  
Simulation Lab: Mitral valve surgery

Focus	
Focus	10:15-11:45
Focus	14:15-15:45
Focus	16:00-17:30
Focus	08:30-17:00



## Sunday 12 October 2014 - General Interest & Professional Development Programmes

### Postgraduate Course Basic Science

#### 10:30 - 12:15 Basic Science

Moderators: H. J. Ankersmit, Vienna; D. J. Chambers, London

- 10:30 How to communicate applied science to the media  
S. Barbour, Newcastle (United Kingdom)
- 10:55 Microvascular obstruction, reperfusion injury and inflammation: the culprit lesion  
D. Chambers, London (United Kingdom)
- 11:20 Myocardial Infarction – Inflammation – and Therapy: from cell based therapy to single molecule  
K. Wollert, Hannover (Germany)
- 11:50 Patient-specific induced pluripotent stem cells for heart regeneration and disease modelling  
K. Guan, Göttingen (Germany)

#### 13:00 - 14:30 Basic science session 2

Moderators: M. Pavone-Gyöngyösi, Vienna; A. Haverich, Hannover

- 13:00 Paracrine Reality in vascular disease – a paradigm shift originating in 2006  
M. Gneccchi, Pavia (Italy)
- 13:30 Secretome of stressed mononuclear cells is effective in acute experimental infarction and chronic ischemic left ventricular dysfunction: from porcine AMI model to molecular biology  
M. Pavone-Gyöngyösi, Vienna (Austria)
- 14:00 Secretome of stressed mononuclear cells augment wound healing: from bench to GMP production to phase I  
H. J. Ankersmit, Vienna (Austria)

#### 14:45 - 16:15 Basic Science session

Moderators: M. Mildner, Wien; K. Wollert, Hannover

- 14:45 Antimicrobial peptides in epithelial layers: Relevance for the Skin and the Thoracic cavity  
M. Mildner, Wien (Austria)
- 15:15 Biofabrication in cardiovascular Surgery  
A. Haverich, Hannover (Germany)
- 15:45 Bioreactor and Tissue-engineered trachea - From Bench to Bedside: The Wuerzburg Experience  
H. Walles1, M. Steinke2; 1Stuttgart (Germany), 2Würzburg (Germany)

### Nurse and Physician Assistants Post Graduate Programme

#### 08:30 - 10:00 Nurses session 1

Moderators: S Benussi, Milan B. van Putte, Nieuwegein

- 08:30 Welcome and opening
- 08:40 Surgical treatment of atrial fibrillation
- 09:10 Endoscopic vein harvesting
- 09:35 ECMO

#### 10:20 - 12:00 Nurses session 2

Moderators: A Maat and P van Schil

- 10:20 Mesothelioma: options and challenges A. Maat, Rotterdam (Netherlands)
- 11:00 Respiratory insufficiency, nasal high flow
- 11:30 Inspiring: making the most of your career and research

#### 13:30 - 14:30 Nurses session 3

Moderators: L Hamilton, T Bartley

- 13:30 Caring for the elderly cardiac patients
- 13:45 Motives of elderly high risk patients for consenting to TAVI
- 14:00 An evaluation of a frailty tool for pre-operative TAVI patients and the patient conceptualisation of their own frailty
- 14:15 Modified Early Warning Score; experience of nurses

#### 14:30 - 15:00 Nurses session 4

Moderators:

#### 15:00 - 16:00 Nurses session 5

Moderator

- 15:00 CPR after cardiac surgery, theory and practice  
J. Dunning, Middlesbrough (United Kingdom)

## Monday 13 October 2014

### 10:15-11:45 Work in progress abstract session

#### 14:15-15:45 Nightmares in cardiothoracic surgery

- Cardiac Sam Naschef
- Thoracic Paul Van Schil
- Cardiac Friedrich Mohr
- Thoracic Douglas Mathisen

#### 16:00-17:30: Pro and Cons debates

Hybrid repair of TAAA versus conventional repair of TAAA

- Bachet (pro conventional)
- Joe Bavaria (pro Hybrid)

Repair or replacement in ischemic mitral regurgitation

- Robert Dion (pro repair)
- Michael Acker (pro replacement)

Aneurysm resection and LV reconstruction

- Menicanti (pro)
- Pomar (con)

## Tuesday 14 October 2014

### 10:15-11:45 Meet the experts

Learning Objectives: Cases report sent by delegates, these will be chosen. The case reports relate to difficult decision-making problems. These case reports will be presented in 5 minutes to expert panel for discussion

Aortic and Mitral valve reconstruction	(Schaeffers/ Dion/ Alfieri/Elkoury/ Falk) 2 cases
Complex aortic disease	(Schepens/Czerny/Grabenwoeger/Beyersdorf/Pacini) 2 cases
Radical surgery for mesothelioma	(Treasure/ Mathisen/Paul Van Schil/Douglas Wood/David Waller) 2 cases
Indications for Fontan Operation	(Pascal Vohue/Bill Brawn/Emre Bellie/Boulus Asfour/gargiulo) 2 cases

#### 14:15-15:45 Training in minimally invasive cardiothoracic surgery (Kappetein/Falk/Matthias) [Day to be scheduled](#)

- How to start a minimally invasive program: "surgeon experience" (Peyman Sardari Nia)
- How to incorporate a minimally invasive surgery in training programs: "Trainers Perspective" (Rafa Sadaba)
- How the industry can help with minimally invasive education: "industry experience" (ask Medtronic or Edwards for speaker)

#### 16:00-17:30 Pitfalls and trouble shooting in Minimally invasive: (Moderators: Glauber/ Mohr)

- Peripheral cannulation pitfalls (Glauber, Massa)
- Perfusion problems and management in minimally invasive cases (,,)
- Cardioprotection in minimally invasive surgery (Volkmar Falk)
- Pitfalls in port-access mitral valve surgery (Friedrich Mohr, Leipzig)
- Pitfalls in minimally invasive AVR (Peyman Sardari Nia, Maastricht)
- Pitfalls in transcatheter valve therapies (Pieter Kappetein, Rotterdam)

## Wednesday 15 October 2014

### How to do it, with live in box?

- Single port lung resections (Diego Gonzales)
- Minimally Invasive Lung volume reduction (Marco Scarci)
- Pulmonary Embolectomy (Philip Darteville or John Dunning)
- Mini-AVR with sutureless valves (Peyman Sardari Nia)
- David Procedure (Malakh Shrestha)
- Port-access double valve repair (M Bentala)
- Hybrid AF therapy (Mark LaMeire)
- Transcatheter valve in valve (Michael Borger)
- RVOT reconstruction with Homograft (Renee Pretre)