

29th EACTS
Annual Meeting
Amsterdam, The Netherlands
3-7 October 2015



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3-7 October 2015
Amsterdam

Draft

Programme Acquired Cardiac Disease

Saturday 3 October 2015

Transcatheter Aortic Valve Implantation/Aortic Valve

Tricuspid Valve

Heart Failure/Aortic Disease

Mitral Valve

Sunday 4 October 2015

Challenges in mitral valve repair: Part I

Challenges in mitral valve repair: Part II

The impact the reporting of individual surgeon outcomes has on patient treatment/care: Part I

The impact the reporting of individual surgeon outcomes has on patient treatment/care: Part II

Quality improvement

Surgical rescue of cardiogenic shock

Transcatheter aortic valve implantation versus surgical aortic valve replacement - Rapid Response

Surgical aortic valve replacement, is one better than another? Outcomes beyond the operating theatre: Long term follow comparisons

Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure

Latest trials

Perfusion: Haemostasis and fluid management

Perfusion - Improving Perfusion

Perfusion - Mechanical circulatory support

Monday 5 September 2015

Wire skills for the Surgeon Part I

Wire skills for the Surgeon Part II

Heart transplantation in the modern era

Risk models in coronary surgery

Reducing invasiveness - Rapid response

Endocarditis: a continuous dilemma

Pilots and Passengers after Cardiac Surgery: So You Want to Fly Again?

Avoiding disasters in cardiac surgery

Left ventricle - Strategies in left ventricular moderations

Supporting the heart and lung - Rapid response

Cardiac General

Aortic valve replacement: What is new?

Basic Science 1

Presidential Address

Infectious Problems

Coronary artery bypass graft is on the rise, don't give it up

Future of sutureless valves

Challenges in surgical aortic valve replacement

Transcatheter aortic valve implantation: Current and future perspectives

Basic Science 2

The two faces of arterial revascularisation

Results of Ross procedures and homografts in aortic surgery

Transcatheter mitral valve replacement: new valves and experiences

Late breakers

Fast-Track Management

Tuesday 6 October 2015

Current challenges for extracorporeal life support

Native and prosthetic valve endocarditis: An update

Revisiting the tricuspid valve

Acute extracorporeal support and mechanical circulatory assist

Optimising outcomes in coronary surgery

Functional MR

How to perform an effective surgical atrial fibrillation ablation - Rapid response

MICS vs surgery

Left ventricular assist device: Latest advances

Degenerative MR

General cardiac - Rapid response

Aortic valve replacement: Ever had any problem?

New technology in mitral surgery - Rapid response

Case reports & videos

What is new in transcatheter aortic valve implantation

Wednesday 7 October 2015

Advance technique session on multiple arterial grafting

How to do it? with Live In A Box

Mitral Repair (Wetlab)

Draft

08:00-10:35

Transcatheter Aortic Valve Implantation/Aortic Valve

Moderators: G Dahle, Oslo; C Huber, Bern; M Mack, Dallas; T Walther, Bad Nauheim

Welcome

T Walther, Bad Nauheim & M Grabenwöger,

Vienna

Talks/Interactive Presentation

Valve in valve different clinical experiences (case by case)

V Bapat, London

Live presentation imaging/assessment

Live-in-a-Box video presentations

Direct aortic TAVI (and multivessel off pump CABG

H Bushnaq, Halle

Video guided AVR

L Salvador, Vicenza

Transcatheter TAVI

T Folliguet, Vandoeuvre les Nancy

MIDCAB plus transcatheter TAVI

H Treede, Hamburg

Engager in stentless valve / Homograft with little calcification

G Dale

Transcatheter TAVI

O Dapunt ?

Simplified David procedure

T Modine

Direct video assessment after AVR

Prof. Jacob, Essen

Live Surgery

Transcatheter TAVI with safari wire

T Modine, Lille

(commentary M Mack/TW)

TA low profile non-rib spreading with closure device (Symetis/Permaseal) (*Micro Interventional Devices, USA*)

Break

11:00-12:30

Tricuspid Valve

Moderators: T Folliguet, Vandoeuvre les Nancy; F Maisano, Zurich P Suwalski, Warsaw; A Vahanian, Paris

Talks

Tricuspid: the clinical problem, developments

V Falk, Berlin

Live-in-a-Box video presentations

Tricuspid bicuspidalization

R Patel

Mitralign to treat tricuspid

Georg Nickening, Bonn

VinV / Vinring

3D printing of the tricuspid for procedure planning

Transcatheter tricuspid VinV

Sapien in cava inf?

4-Tech

F Maisano, Zurich

Figulla valve

Figulla / Lauten ??

Nitinol mesh based valve

Mitra clip in tricuspid ?

Edwardstricuspid system / blocker

Melody valve in valve tricuspid

Anselm Uebing

13:30-16:00

Heart Failure/Aortic Disease

Moderators: M Di Eusanio, Bologna; V Falk, Berlin; G Gerosa, Padua; M Shrestha, Hannover;

New Technology Award Presentation

Live-in-a-Box video presentations

Totally endoscopic LAA exclusion, Atriclip

P Suwalski, Warsaw; / M Glauber, Massa

Frozen elephant trunk in Type A dissection (2 x cases)

M Grabenwöger, Vienna / M Shrestha, Hannover

Heartmate 3 3D (Thoratec)

T Krabatsch, Berlin

Hybrid repair of thoracoabdominal aneurysms

R di Bartolomeo, Bologna

Tissue engineered valves (ARISE Study)

J L Pomar, Barcelona

Biological valved conduit – animal case

R de Paulis/M Shrestha

M-VAD LIB

Schmitto, Hannover/Lars Englberger,

Bern

Sutureless AVR and mitral repair through right minithoracotomy 3D (M Glauber, Massa

Totally Endoscopic - robotic double IMA bypass graft

Sam Bulke - Chicago

Live Surgery

Parachute LV exclusion with Mitraclip 3D

L Conradi & U Schafer, Hamburg

Hybrid case of percutaneous and PCI

M Glauber ? or M Misfeld (Leipzig)

16:20-18:00

Mitral Valve

Moderators: N Moat, London; H Treede, Hamburg, H Vanermen, Knokke

Talks

Morphology and haemodynamics and imaging – what is the difference between T-MVI and TAVI N Moat, London

Live-in-a-Box video presentations

Fortis

Tiara

CardiaQ

Tendyne - **taped case**

T-MVI using 'conventional' TAVI valves, surgically

T-MVI transapically using 'conventional' TAVI valves
Treede)

Valve in a ring

Imaging/patient assessment for mitral procedures/CT and 3D echo,

A novel approach to transcatheter mitral valve implantation

TA closed ring

Live Surgery

Cardioband live case using GE echo

Totally endoscopic mitral valve repair

Anson Cheung

N Moat

C Huber, Bern

D Holzhey/Kiefer, Leipzig (discussant H

Latib / Treede

R.Lange, Munic

S Czerny, Prague

F Maisano, Zürich

Sunday 4 October 2015

08:15 - 09:45

Challenges in mitral valve repair: Part I

Auditorium

Moderators: F. Mohr, Leipzig; P. Modi, Liverpool

Learning objectives:

- *To learn about some of the challenges of repairing the mitral valve in unusual cases and special situations*

08:15 Live case: Minimally invasive mitral repair M. Misfeld, Leipzig

08:45 How to deal with the calcified mitral annulus P. Perier, Bad Neustadt/Saale

09:15 Tailoring neochordal repair S. Livesey, Southampton

10:15 - 11:45

Challenges in mitral valve repair: Part II

Auditorium

Moderators: F. Mohr, Leipzig; P. Modi, Liverpool

Learning objectives:

- *To learn about some of the challenges of repairing the mitral valve in unusual cases and special situations*

10:15 3D vision: Added value for Minimally Invasive? L. Müller, Innsbruck

10:35 How to achieve optimal exposure in MICS P. Suwalski, Warsaw

10:55 The optimal repair in Barlows disease R. Klautz, Leiden

11:15 How to handle SAM M. Castella, Barcelona

11:35 Discussion and wrap up

08:15 - 09:45

The impact the reporting of individual surgeon outcomes has on patient treatment/care: Part I

G104+G105

Moderators: M. Jahangiri, London; J. L. Pomar, Barcelona

Panel: S. Westaby, Oxford; B. Bridgewater, Manchester; B. Leigh, London; H. Schäfers, Homburg/Saar; E. Quintana, Barcelona

08:15 Case presentations M. Jahangiri, London

08:25 Current measures of Safer Surgery – Beyond check lists D. Pagano, Birmingham

08:40 Regional variations in staffing, diagnostics, critical care and operating affecting outcomes (Dutch inspector report)

08:55 Reporting Surgeon specific results – Pro M. Mack, Plano

09:10 Reporting Surgeon specific results – Con S. Westaby, Oxford

09:25 My experience with both systems M. Borger, Leipzig

09:35 Discussion

10:15 - 11:45

The impact the reporting of individual surgeon outcomes has on patient treatment/care: Part II

G104+G105

Moderators: M. Jahangiri, London; J. L. Pomar, Barcelona

Panel: S. Westaby, Oxford; B. Bridgewater, Manchester; B. Leigh, London; H. Schäfers, Homburg/Saar; E. Quintana, Barcelona

10:15 Results under scrutiny. Can we train safely E. Quintana, Barcelona

10:30 Risk avoiding strategy – Is it good for the patient? B. Van Straten, Oirschot

10:45 Does adherence to Guidelines improve outcomes? M. Sousa Uva, Lisboa

11:00 Is there a relation between volume and outcome? V. Falk, Berlin

11:15 Is crude mortality the right measure? How should we identify and deal with outliers? B. Leigh, London

11:25 Discussion

10:15 - 11:45 Quality improvement

E106+E107

Moderators: D. Pagano, Birmingham; B. Keogh, Leeds; J. F. Gummert, Bad Oeynhausen

Learning objectives:

- *Understanding the impact of simulation, team training and measuring performance on outcome*

10:15 Using data to improve outcomes D. Pagano, Birmingham

10:30 Retraining and team learning A. . P. Kappetein, Rotterdam

10:45 What can we learn from CUSUM analysis?

11:00 How to deal with the under performing individual? D. Fullerton, Aurora

11:15 Standardizing workflows can improve performance

11:30 The value of simulation for training P. Sardari Nia, Maastricht

10:15 - 11:45

Transcatheter aortic valve implantation versus surgical aortic valve replacement - Rapid Response E102

Moderators: V. H. Thourani, Atlanta; N. Moat, London; R. Yadav, London

Learning objectives:

- *Compare outcomes between transcatheter aortic valve implantation versus surgical aortic valve replacement*
- *Impact of transcatheter aortic valve implantation on surgical outcomes*

10:15

Does transcatheter aortic valve replacement improve outcomes compared to surgery in patients with severe aortic stenosis and renal dysfunction? A propensity matched study

C. Muneretto¹, O. Alfieri², M. De Bonis², A. Repossini¹, L. Di Bacco¹, R. Di Bartolomeo³, G. Bisleri¹, T. Folliguet⁴; ¹Brescia (Italy), ²Milan (Italy), ³Bologna (Italy), ⁴Vandoeuvre les Nancy Cedex (France)

10:24

Aortic valve replacement via ministernotomy vs. transcatheter aortic valve implantation – which approach is the gold standard in a moderate risk group?

N. Furukawa¹, O. Kuss², S. Scholtz¹, W. Scholtz¹, T. Becker¹, S. Ensminger¹, J. Gummert¹, J. Börgermann¹; ¹Bad Oeynhausen (Germany), ²Düsseldorf (Germany)

10:33

Redo aortic valve replacements in the transcatheter aortic valve implantation era

D. Spiegelstein, N. Gutman, A. Hamdan, A. Kogan, L. Sternik, B. Orlov, A. Lipey, E. Raanani; Ramat Gan (Israel)

10:42

Results of surgical aortic valve replacement in octogenarians turned down for transcatheter aortic valve replacement by the multidisciplinary heart team

S. Mohammadi¹, E. Dumont², J. Rodés-Cabau¹, P. Voisine², D. Doyle¹, E. Charbonneau¹, F. Dagenais², D. Kalavrouziotis²; ¹Quebec City (Canada), ²Quebec (Canada)

10:51

Comparison between aortic valve replacement with rapid deployment valve and transfemoral transcatheter aortic valve implantation in the “grey zone” patients with severe aortic stenosis

A. Di Cesare, P. Bruno, M. Nesta, F. Burzotta, C. Colizzi, F. Crea, C. Trani, M. Massetti; Rome (Italy)

11:00

Cardiac surgery after failed transcatheter aortic valve implantation: National experience

D. Spiegelstein¹, I. Ferstenfeld¹, A. Korach², S. Silberman², G. Bolotin³, E. Sharoni³, G. Sahar⁴, E. Raanani¹; ¹Ramat Gan (Israel), ²Jerusalem (Israel), ³Haifa (Israel), ⁴Beer Sheva (Israel)

11:09

Impact of liver function on clinical outcome in patients undergoing transcatheter aortic valve implantation

D. Wendt¹, P. Kahlert¹, A. Canbay¹, G. Cremer¹, F. Al-Rashid¹, M. Thoenes², H. Jakob¹, M. Thielmann¹; ¹Essen (Germany), ²Oberägeri (Switzerland)

11:18

Risk factors for permanent pacemaker after implantation of surgical or percutaneous self-expanding aortic prosthesis

E. Villa¹, A. Clerici², A. Messina¹, L. Testa², F. Bedogni², A. Moneta², F. Donatelli², G. Troise¹; ¹Brescia (Italy), ²Milan (Italy)

11:27

Simultaneous transcatheter aortic valve implantation and off pump revascularization

S. Ahad, S. Hill, T. Schaeufele, A. Ursulescu, R. Nagib, H. Von Loewensprung, U. Franke, H. Baumbach; Stuttgart (Germany)

11:36

Transapical aortic valve implantation vs. surgical aortic valve replacement in a prospective randomized trial: comparable health-related quality-of-life in low-risk patients

C. Rex¹, J. Heiberg², V. Hjortdal²; ¹Aarhus C (Denmark), ²Aarhus N (Denmark)

12:00 - 13:00

Plenary session: Harmonisation of training

13:45 - 15:45

Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure G104+G105

Moderators: R. Lorusso, Brescia; G. J. R. Whitman, Baltimore

Learning objectives:

- *Recognize need for, state proper indications for, discuss potential complications of, and demonstrate appropriate initial stabilization of patients with critical cardiac and respiratory disease*

13:45 Extracorporeal life support as bridge to lung transplant L. Wiklund, Mölndal

13:56 Managing bleeding and thrombosis in extracorporeal membrane oxygenation A. Simon, Harefield

14:07 Transformation of percutaneous access to a safe peripheral arterial cannulation S. Demertzis, Lugano

14:18 Which patients require extracorporeal life support in acute respiratory distress syndrome? G. Peek, Leicester

14:29 New devices: What's coming S. Clark, Newcastle Upon Tyne

14:40 Percutaneous or surgical cannulation R. Lorusso, Brescia

14:51 Extracorporeal membrane oxygenation for bridge to heart transplantation T. Wahlers, Cologne

15:02 Guidelines for ECMO Transport M. Kirsch, Paris

13:45 - 15:15

Surgical aortic valve replacement, is one better than another? Outcomes beyond the operating theatre: Long term follow up and comparisons

E102

Moderators: J. E. Bavaria, Philadelphia; M. Shrestha, Hannover; T. Carrel, Berne

Learning objectives:

- *Long term outcome of surgical aortic valve replacement*
- *Comparative performance between different prostheses*

13:45

Mitroflow LXA structural deterioration following aortic valve replacement: A single centre experience

K. Diplaris¹, N. Amabile¹, N. Khelil¹, G. Lauria¹, P. Dervanian¹, E. Lansac¹, M. Debauchez¹, K. Zannis²; ¹Paris (France), ²Paris (France)

13:54

Long term follow-up after implantation of Shelhigh® aortic valve conduit

D. Reineke¹, A. Kaya², P. Heinisch³, B. Winkler³, C. Huber¹, W. Morshuis², T. Carrel¹, L. Englberger³; ¹Berne (Switzerland), ²Nieuwegein (Netherlands), ³Bern (Switzerland)

14:03

Comparison of mid-term hemodynamic performance between the BioValsalva and BioIntegral valved conduit after aortic root replacement

A. Raweh, D. Wendt, M. Eissmann, J. Benedik, K. Tsagakis, H. Jakob; Essen (Germany)

14:12

Exercise haemodynamic comparison of freestyle, magna ease, and trifecta aortic bioprostheses

D. Bach, H. Patel, T. Kolas, G. Deeb; Ann Arbor (United States of America)

14:21

Freestyle root replacement improves haemodynamics and exercise capacity in young (< sixty years) patients: results from a stress echocardiographic study.

M. Pettinari, P. Bertrand, H. Gutermann, C. Van Kerrebroeck, R. Dion; Genk (Belgium)

14:30

Long term outcome after aortic valve replacement: insight in the last European and American guidelines

A. Colli¹, L. Besola², E. Bizzotto², E. Manzan², F. Zucchetta², D. Gregori¹, G. Gerosa¹; ¹Padova (Italy), ²Padua (Italy)

14:39

Real life experience with the Mitroflow aortic pericardial heart valve up to three years: results from an interim analysis in 334 patients

J. Defraigne¹, M. Bentala², P. Petrov³, F. Sabol⁴, J. Marnette⁵, A. Leguerrier⁶, L. Camilleri⁷, F. Pelissier⁸; ¹Liège (Belgium), ²Breda (Netherlands), ³Burgas (Bulgaria), ⁴Košice (Slovak Republic), ⁵Namur (Belgium), ⁶Rennes (France), ⁷Clermont-Ferrand (France), ⁸Caluire-et-Cuire (France)

14:48

Impact of aortic root preservation on prosthesis durability in patients undergoing ascending aorta and aortic valve replacement with Carpentier Edwards aortic bioprosthesis: a propensity score based study

S. Cebotari, F. Ius, M. Roumieh, I. Ismail, I. Tudorache, F. Fleissner, A. Haverich; Hannover (Germany)

14:57

Mitroflow and perimount magna: ten years outcome. A direct propensity match analysis to assess re-intervention rate and long follow up mortality

C. Taddeo, T. Theologou, M. Field; Liverpool (United Kingdom)

15:06

Aortic valve replacement with mechanical prostheses: over twenty years' experience in a single institution

S. Mastrobuoni¹, L. De Kerchove¹, P. Astarci¹, E. Navarra², S. Solari³, A. Poncelet¹, P. Noirhomme¹, G. El Khoury¹; ¹Brussels (Belgium), ²bruxelles (Belgium), ³Bruxelles (Belgium)

13:45 - 15:45

Latest trials

Auditorium

13:45 - 15:45

**Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure
G104+G105**

08:15 - 09:45

QUIP Update

F003

08:15 - 15:45

Perfusion

Forum

08:15 - 09:45 Perfusion: Haemostasis and fluid management

08:15 Perioperative management of patients receiving new oral anticoagulants A. Jeppsson, Goteborg

08:45 Mesenteric ischemia following ECC S. Large, Elsworth

09:05 The role of haematocrit in ECC M. Ranucci, Milan

09:25 Fluid replacement in ECC: crystalloids vs colloids T. Doenst, Jena

10:15 - 11:45 Perfusion - Improving Perfusion

Moderators: R. Di Bartolomeo, Bologna; T. Gudbjartsson, Reykjavik

10:15 Visceral organ protection during aortic surgery R. Di Bartolomeo, Bologna

10:45 Perfusion in acute aortic dissection surgery W. Harringer, Braunschweig

11:05 Wound infections in cardiac surgery – what perfusionists should know T. Gudbjartsson, Reykjavik

11:25 ECC-standby in transcatheter valve procedures – is it still required? O. Wendler, London

13:45 - 15:45 Perfusion - Mechanical circulatory support

Moderators: J. Horisberger, Le Mont sur Lausanne; G. Tenderich, Duisburg

13:45 The total artificial heart: why so difficult to develop? C. Latremouille, Paris

14:15 New concepts in TAH G. Tenderich, Duisburg

14:45 Mechanical circulatory support in children: state of the art P. Van De Woestijne, Rotterdam

08:15 - 15:45

Nurses and Physician Assistant Programme

E108

08:15 - 15:45

Basic Science Programme

G109

08:15 – 15:45

Latin America Programme

F002

Monday, October 5, 2015

08:15 - 09:45

Wire skills for the Surgeon Part I

Auditorium

Moderators: V. N. Bapat, London; R. H. Heijmen, Nieuwegein; A. Vahanian, Paris

Learning objectives:

- *To learn about the techniques in percutaneous therapy.*
- *To understand the practical aspects of percutaneous access, transseptal approach and thoracic stenting.*

08:15 Surgeons - Wire up! R. Lange, Munich

08:30 Live case: Transfemoral transcatheter aortic valve implantation D. Holzhey, Leipzig

08:45 Fluoroscopy revisited: essentials you need to know H. Treede, Hamburg

09:00 Transfemoral artery puncture R. Heijmen, Nieuwegein

09:15 Vessel closure devices J. Kempfert, Bad Nauheim

09:30 Discussion

10:15 - 11:45

Wire skills for the Surgeon Part II

Auditorium

Moderators: V. N. Bapat, London; R. H. Heijmen, Nieuwegein; A. Vahanian, Paris

10:15 Technique of transseptal puncture F. Maisano, Zurich

10:30 Live-in-a-box: MitraClip done by surgeon S. Jacobs, Zurich

10:45 Thoracic endovascular aortic repair done by surgeons B. Rylski, Freiburg

11:00 Hybrid techniques for thoracic aorta H. Jakob, Essen

11:15 Alternative access routes for transcatheter aortic valve implantation G. Bruschi, Milan

11:30 Wrap up A. Vahanian, Paris

08:15 - 09:45

Heart transplantation in the modern era

Forum

Moderators: J. F. Gummert, Bad Oeynhausen; J. Kluin, Utrecht

Learning objectives:

- *To cover heart transplantation from basic science to long term results*

08:15

Moderate to severe early graft failure after cardiac transplantation: treatment strategies and predictive risk factors analysis

A. Loforte, G. Murana, M. Cefarelli, G. Jafrancesco, J. Alfonsi, M. Sabatino, F. Grigioni, G. Marinelli; Bologna (Italy)

Discussant: G. Warnecke, Hannover

08:30

Prevalence of donor transmitted coronary artery disease and long term prognosis

D. Kim, J. Park, T. Yoon, J. W. Lee, J. J. Kim, S. Jung; Seoul (Korea)

Discussant: G. Gerosa, Padova

08:45

Prognostic value of gene expression profiling to predict long-term outcomes after heart transplantation

B. Fujita, E. Prashovikj, U. Schulz, U. Fuchs, J. Börgermann, J. Gummert, S. Ensinger; Bad Oeynhausen (Germany)

Discussant: J. Garbade, Leipzig

09:00

Continuous improvement in outcome after heart transplantation– long-term follow-up after three decades of experience

G. Dellgren¹, H. Liden², S. Ricksten¹, S. Bartfay¹, E. Bollano¹, H. Schersten², K. Karason¹; ¹Göteborg (Sweden), ²Gothenburg (Sweden)

09:15

Recipient age impact on outcome after cardiac transplantation: should it still be considered in organ allocation?

S. Sponga¹, D. Pianì¹, A. Lechaincole², V. Tursi¹, E. Spagna¹, G. Guzzi¹, C. Nalli¹, U. Livi¹; ¹Udine (Italy), ²Roma (Italy)

Discussant: F. Ramjankhan, Utrecht

09:30

The effect of everolimus vs calcineurin inhibitors on surgical complications: The results of a de novo heart transplant randomized controlled trial (SCHEDULE trial)

M. Rashidi¹, S. Esmaily¹, A. Fiane¹, F. Gustafsson², H. Eiskjar², G. Radegran³, G. Dellgren⁴; ¹Oslo (Norway), ²Copenhagen (Denmark), ³Lund (Sweden), ⁴Göteborg (Sweden)

Discussant: C. Hagl, Munich

08:15 - 09:45

Risk models in coronary surgery

E104+E105

Moderators: J. S. Coselli, Houston; B. Bridgewater, Manchester; D. Pagano, Birmingham

Learning objectives:

- *Use of clinical risk models to predict outcomes*
- *Use of anatomical risk score to predict outcomes*

08:15 Clinical risk models

08:30

Comparison of logistic EuroSCORE and EuroSCORE II in predicting operative mortality in 1125 total arterial operations

T. Kieser¹, S. Rose²; ¹Calgary (Canada), ²Calgary, Alberta (Canada)

Discussant: S. Nashef, Cambridge

08:45

The SYNTAX score

S. Head, Rotterdam

09:00

SYNTAX score is correlated with long-term outcomes of coronary artery bypass grafting for complex coronary artery lesions

Y. Cho, S. Shimura, A. Aki, H. Furuya, K. Okada, T. Ueda; Kanagawa (Japan)

Discussant: R. Yadav, London

09:15

Residual SYNTAX score and outcomes following coronary artery bypass grafting

G. Melina, E. Angeloni, R. Bianchini, A. Roscitano, C. Comito, F. Capuano, S. Refice, R. Sinatra; Rome (Italy)

Discussant: J. Börgermann, Bad Oeynhausen

09:30

EuroSCORE II and SYNTAX Score to evaluate risks of coronary artery bypass grafting outcomes

M. S. Al-Shiekh, S. Al Ameen, A. Faragallah, S. El Bogdady; Cairo (Egypt)

Discussant: R. Osnabrugge, Rotterdam

08:15 - 09:45

Reducing invasiveness - Rapid response

E102

Moderators: M. Poullis, Liverpool

Learning objectives:

- *Alternatives to sternotomy*
- *Is on- or off-pump better?*

08:15

Early and mid-term results of no-touch aorta multi-vessel small thoracotomy versus conventional off-pump coronary artery bypass grafting: a propensity score matched study

A. Ziankou¹, M. Laiko¹, K. Vykhrytsenka¹, Y. Ostrovsky²; ¹Vitebsk (Belarus), ²Minsk (Belarus)

08:24

Ten years follow-up after minimally invasive left anterior descending revascularization

A. Repossini¹, L. Di Bacco², G. Bisleri¹, C. Muneretto¹; ¹Brescia (Italy), ²Brescia (Italy)

08:33

Use of bilateral skeletonized internal thoracic artery for minimally invasive coronary artery by-pass grafting. Our first hundred cases

M. Guida, G. Guida, G. Guida, A. Lo Cascio, E. De Garate, P. Mendoza, M. Vasquez, M. Pecchinenda; Valencia (Venezuela)

08:42

A novel technique of harvesting bilateral internal thoracic arteries under direct vision via left small thoracotomy in minimally invasive cardiac surgery coronary arterial bypass graft.

K. Kikuchi, D. Une, Y. Endo, T. Matsuyama, Y. Fukada, A. Kurata; Yamato (Japan)

08:51

Early results of minimally invasive coronary artery bypass grafting using in-situ bilateral internal thoracic arteries and extension technique with the radial artery

A. Ziankou¹, K. Vykhrytsenka¹, M. Laiko¹, V. Chyeshov¹, Y. Ostrovsky²; ¹Vitebsk (Belarus), ²Minsk (Belarus)

09:00

Off-pump coronary artery bypass grafting in ministernotomy: lessons learnt after 100 cases

A. Longobardi, P. Masiello, A. Panza, G. Mastrogiovanni, A. Villano, F. D'Auria, S. Iesu, G. Di Benedetto; Salerno (Italy)

09:09

Off-pump versus on-pump coronary artery bypass: A propensity score matched analysis using the Japan adult cardiovascular surgery database

S. Numata¹, H. Miyata², K. Doi¹, S. Yamazaki¹, N. Motomura², S. Takamoto², H. Yaku¹; ¹Kyoto (Japan), ²Tokyo (Japan)

09:18

Long-term survival following off-pump coronary artery bypass grafting

B. Kirmani¹, S. Sriskandarajah², R. Azzam², A. Brazier², R. Hasan², H. Abunasra²; ¹Warrington (United Kingdom), ²Manchester (United Kingdom)

09:27

Comparison between off-pump and on-pump coronary artery bypass grafting. Long-term results from a real-world registry

F. Nicolini¹, D. Fortuna², G. Contini¹, D. Pacini², D. Gabbieri³, C. Zussa⁴, R. De Palma², T. Gherli¹; ¹Parma (Italy), ²Bologna (Italy), ³Modena (Italy), ⁴Ravenna (Italy)

09:36

A meta-analysis of on-pump beating versus conventional coronary artery bypass grafting surgery

C. Ueki, G. Sakaguchi, T. Akimoto, Y. Ohashi, H. Sato; Shizuoka City (Japan)

08:15 - 09:45

Endocarditis: a continuous dilemma

G104+G105

Moderators: C. A. Mestres, Abu Dhabi; M. Mokhles, Rotterdam

08:15 Introduction tbs

08:30

Early surgery and the optimal timing of surgery for infective endocarditis: A meta-analysis

B. Song, F. Liang, R. Liu; Lanzhou (China) *Discussant:* M. Rossi, Catanzaro (CZ)

08:45

Do radiological characteristics of preoperative cerebral lesions affect postoperative haemorrhagic stroke in endocarditis patients?

M. Diab, A. Günther, P. Scheffel, H. Kirov, C. Sponholz, T. Lehmann, O. Witte, T. Doenst; Jena (Germany)

Discussant: M. Borger, New York

09:00

Cardiac surgery for infective endocarditis in patients with intravenous drug abuse

O. Österdal, P. Salminen, S. Jordal, H. Sjursen, O. Wendelbo, R. Haaverstad; Bergen (Norway)

Discussant: R. Dion, Genk

09:15

Multiplex polymerase chain reaction to diagnose bloodstream infections in patients after cardiothoracic surgery

K. Pilarczyk, P. Rath, J. Steinmann, J. Benedik, D. Wendt, H. Jakob, F. Dusse; Essen (Germany)

09:30

Wrap-up M. Mokhles, Rotterdam

08:15 - 09:45

Pilots and Passengers after Cardiac Surgery: So You Want to Fly Again?

E106+E107

Moderators: T. Syburra, London; J. Pepper, London

Panel: T. Syburra, London; J. Pepper, London; D. Bron, Duebendorf; U. Rosendahl, London; E. Nicol, NA; M. Popplestone, London; P. Alves, São Paulo; S. Mendis, Geneva; S. Mitchell, Horley

Learning objectives:

- **to understand the occupational considerations required for aircrew undergoing cardiac surgery *to understand the alternative cardiac surgery options available when considering cardiac surgery in aircrew *to understand the risk/balance of various strategies for cardiac surgery in aircrew, e.g. choice of valve prosthesis for AS secondary to BAV, or what the options are in myocardial revascularisation *to understand the criteria of the main airlines for the "fit-to-fly" eligibility of passengers after cardiac surgery *to apply the learned strategies for assessment/guidance of cardiac surgery patients prior boarding*

08:15 Introduction J. Pepper, London

08:16 Video about aviation medicine (UK-CAA, EASA, IATA, SPHAIR)

08:17 The Passenger Journey

08:18 The surgical implications of flying as a professional pilot

08:19 Coronary Artery Disease and Arrhythmia in Aircrews

08:20 Fitness to fly with cardiac disease

08:21 To fly again as a pilot after cardiac surgery: Current procedures' review T. Syburra, London

M. Popplestone, London

H. Ruprecht, Zurich

E. Nicol, London

P. Alves, São Paulo

10:15 - 11:45

Avoiding disasters in cardiac surgery

E106+E107

Moderators:

Learning objectives:

- *To understand preventive measures, intraoperative techniques and Prediction, and perioperative interventions to reduce complication*

10:15 Impact of perioperative complications on outcomes

G. J. R. Whitman, Baltimore

10:16 Prevention of stroke

D. Van Dijk, Utrecht

10:17 Common treatment of acute perioperative stroke

P. J. Koudstaal, Rotterdam

10:18 Renal failure

N. Howell, Birmingham

10:19 Systemic inflammatory response syndrome

M. Lancé, Maastricht

10:20 Bleeding

A. Jeppsson, Goteborg

10:15 - 11:45

Left ventricle - Strategies in left ventricular moderations

Forum

Moderators: R. Klautz, Leiden; F. Beyersdorf, Freiburg; N. Buzzatti, Milano

Learning objectives:

- *Should you burn your hands on left ventricular restoration??*

10:15

First in human extracellular matrix implantation in postinfarct ischemic heart failure – six months results

P. Suwalski¹, R. Smoczynski², D. Drobinski², M. Furmanek², S. Sypula², W. Sarnowski², J. Staromlynski², A. Witkowska¹; ¹Warsaw (Poland), ²Warszawa (Poland)

10:30

Left ventricular stroke work index predicts reverse remodelling after submitral procedures for ischemic dilated cardiomyopathy

Y. Shingu, S. Wakasa, T. Ooka, T. Tachibana, Y. Matsui; Sapporo (Japan)

10:45

Improvements in left ventricular diastolic function after parachute device implantation in patients with ischemia heart failure: A pilot multidetector computed tomography study

C. Yun¹, C. Hung¹, T. Wu¹, H. Bezerra²; ¹Taipei City (Taiwan), ²Cleveland (United States of America)

Discussant: P. Ferrazzi, Monza

11:00

Ventricular volume and myocardial viability evaluated by cardiac magnetic resonance imaging affect long-term results after surgical ventricular restoration for patients with ischemic cardiomyopathy

S. Yamazaki¹, H. Yaku¹, K. Doi¹, S. Numata¹, K. Morimoto², K. Manabe¹, K. Ikemoto¹, T.

Matsushiro¹; ¹Kyoto (Japan), ²Suita (Japan)

Discussant: F. Emrich, Leipzig

11:15

Calculation of the expected end-diastolic volume of the left ventricle using the technique of Teichholz in patients with left ventricular aneurysm.

R. Babukov, V. Bazylev, V. Karnahin, A. Mikulyak; Penza (Russian Federation)

Discussant: M. Deja, Katowice

11:30

Surgical ventricular restoration plus mitral valve repair in patients with ischemic heart failure. Risk factors for early and mid-term outcome.

S. Castelveccchio¹, A. Parolari², A. Garatti¹, P. Gagliardotto¹, E. Mossuto¹, A. Canziani¹, L. Menicanti²; ¹San Donato Milanese (Italy), ²Milan (Italy)

Discussant: M. Petrie, Glasgow

10:15 - 11:45

Supporting the heart and lung - Rapid response

E102

Moderators: D. Zimpfer, Vienna

Learning objectives:

- *Different issues with circulatory support*

10:15

Extra-corporeal membrane oxygenation with minimal heparinization

J. Raman¹, L. Michalak¹, N. Dobrilovic¹, O. Lateef¹, S. Aziz²; ¹Chicago (United States of America), ²Washington (United States of America)

10:24

Out-of-centre extra-corporeal life support implantation – What's next?

D. Schibilsky¹, P. Klumm¹, H. Lausberg², H. Häberle¹, P. Rosenberger¹, T. Walker¹, C. Schlensak²; ¹Tübingen (Germany), ²Tübingen (Germany)

10:33

Left ventricular assist device implantation in patients after prior left ventricular reconstruction; surgical technique and case series

M. Palmen, J. Braun, S. Beeres, H. Verwey, L. Couperus, V. Delgado, R. Klautz, M. Schali; Leiden (Netherlands)

10:42

Implanting permanent left ventricular assist devices in patients on veno-arterial extracorporeal membrane oxygenation support. Do we really need cardiopulmonary bypass machines?

D. Saeed¹, A. Albert¹, T. Hoffmann², B. Maxhera¹, G. Petrov¹, E. Roussel², A. Lichtenberg³; ¹Düsseldorf (Germany), ²Düsseldorf (Germany), ³Düsseldorf (Germany)

10:51

Case control study. Reduction of INCOR driveline infection rate with silicone at the driveline exit site

D. Camboni¹, B. Floerchinger¹, S. Hirt¹, R. Tandler², L. Rupprecht¹, M. Weyand², C. Schmid¹; ¹Regensburg (Germany), ²Erlangen (Germany)

11:00

Thromboembolic complications after left ventricular assist device implantation is associated with platelet activation as measured via the platelet activity state assay

L. Valerio¹, F. Consolo², M. De Bonis³, D. Bluestein⁴, P. Tran⁵, M. Slepian⁵, A. Redaelli², F. Pappalardo³; ¹Milano (Italy), ²Milano (Italy), ³Milano (Italy), ⁴Stony Brook (United States of America), ⁵Tucson (United States of America)

11:09

Low-dose intravenous thrombolytic therapy for pump thrombus formation in patients with continuous flow left ventricular assist device

K. Dimitrov, T. Schlöglhofer, J. Riebandt, T. Haberl, D. Wiedemann, H. Schima, G. Laufer, D. Zimpfer; Vienna (Austria)

11:18

Acquired Von Willebrand syndrome in patients on long-term support with HeartMate II

U. Geisen, C. Benk, F. Beyersdorf, G. Trummer, M. Berchtold-Herz, B. Zieger, C. Heilmann; Freiburg (Germany)

11:27

Telemonitoring anticoagulative treatment in ventricular assist device (VAD) patients.

S. Eifert, A. Meyer, S. Lehmann, J. Fischer, A. Oberbach, E. Langenstroth, F. Mohr, J. Garbade; Leipzig (Germany)

11:36

Primary biventricular assist device implantation: rebirth of a lost procedure?

K. Stroeh¹, T. Pöttinger², C. Grininger², U. Grabmaier², U. Wilbert-Lampen², B. Meiser², C. Hagl¹, R. Schramm¹; ¹Munich (Germany), ²München (Germany)

10:15 - 11:45

Cardiac General

E104+E105

Moderators: J. Dunning, Middlesbrough; T. J. Van Brakel, Leiden

Learning objectives:

• *Keeping professional performance despite difficult circumstances*

10:15 Professional behaviour in the operating room, outcomes D. O'Regan, Badsworth

10:30

A novel surgical distractions capture tool for cardiac surgery & lung transplantation impact of distractions on outcomes?

L. P. Ong, N. Gunaratnam, S. Kuravelli, N. Collins, S. Chan, T. Butt, S. Clark; Newcastle Upon Tyne (United Kingdom)

Discussant: J. Gummert, Bad Oeynhausen

10:45

The Netherlands joined outcomes and transparency initiative

first results of a national initiative to bench the quality of institutional cardiovascular care

B. De Mol, D. Van Veghel, P. Van Der Nat; Amsterdam (Netherlands)

Discussant: L. Hamilton, Newcastle upon Tyne

11:00


Over thirty years results of bileaflet mechanical valve replacement

S. Saito, H. Tsukui, N. Masuda, T. Harada, H. Tomioka, S. Aomi, K. Yamazaki; Tokyo (Japan)

Discussant: U. Sartipy, Stockholm

11:15

Atrio-ventricular rupture after mitral valve surgery- A disastrous complication: Experience from a single centre

M. Vollroth, , Akhavuz, F. Mohr, F. Bakhtiary; Leipzig (Germany)

Discussant: J. Bekkers, Rotterdam

11:30

Comparison septal myectomy with and without mitral subvalvular apparatus intervention in patients with obstructive hypertrophic cardiomyopathy: prospective randomize study

A. Bogachev-Prokophiev, M. Fomenko, S. Zheleznev, A. Pivkin, A. Afanasiev, A. Karaskov; Novosibirsk (Russian Federation)

10:15 - 11:45

Aortic valve replacement: What is new?

G104+G105

Moderators: T. Modine, LILLE; J. Kluin, Utrecht; F. Casselman, AALST

Learning objectives:

- *New technology and imaging in aortic valve pathology*
- *Impact of tissue engineering on aortic bioprostheses*

10:15

Full tri-leaflet aortic valve reconstruction with bovine pericardium: An experimental study.

B. Meuris¹, L. Neethling², G. Strange³, D. Rhodes⁴, T. Uchida⁵, S. Ozaki⁵; ¹Leuven (Belgium), ²Australia (Australia), ³Fremantle (Australia), ⁴Sydney (Australia), ⁵Tokyo (Japan)

10:30

Effect of aortic valve morphology on fluid dynamics of the thoracic aorta - indication for a new modality of valve assessment?

P. Youssefi¹, A. Gomez¹, R. Sharma¹, A. Figueroa², M. Jahangiri¹; ¹London (United Kingdom), ²Ann Arbor (United States of America)

10:45

Tissue-engineered fibrin-based heart valve with a load-oriented textile reinforcement

R. Moreira, R. Ross, M. Menne, J. Spillner, J. S. Sachweh, P. Mela, S. Jockenhoevel; Aachen (Germany)

11:00

Root repair procedure guided by an echocardiogram-triggered pre-operative computerised tomography-scan interleaflets triangles analysis

C. Romagnoni¹, M. Contino², R. Rosa², A. Mangini¹, G. Gelpi², M. Lemma¹, S. Ippolito¹, C. Antona¹; ¹Milan (Italy), ²Milano (Italy)

11:15

Simulation and training of minimally invasive cardiac surgery using a three-dimensional printing system

T. Yamada¹, M. Osako¹, T. Uchimuro¹, T. Morikawa², M. Sugimoto³, K. Okamoto⁴, M. Kudo⁴, H. Shimizu⁴; ¹Higashigaoka Meguro Tokyo (Japan), ²Minato Tokyo (Japan), ³Kobe (Japan), ⁴Tokyo (Japan)

11:30

Late gadolinium enhancement in cardiac magnetic resonance as a marker of morphological and functional deterioration in patients with severe aortic stenosis

R. Sádaba, V. Arrieta, V. Alvarez-Asiain, M. Ciriza, F. Olaz, F. Gomez, N. Lopez-Andres; Pamplona (Spain)

10:15 - 11:45

Basic Science 1

F002

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

10:15

Heterotopic transplantation of decellularized heart in a large animal model

H. Kitahara¹, H. Yagi², K. Tajima², K. Okamoto², A. Yoshitake², Y. Kitagawa², H. Shimizu²; ¹tokyo (Japan), ²Tokyo (Japan)

Discussant: A. Kocher, Vienna

10:30

Control-releasing hydrogen sulfide system based on mesoporous silica nanoparticles to protect ischemia/reperfusion-induced cell damage

W. Wang, X. Sun, H. Tao, C. Guo, C. Wang; Shanghai (China)

Discussant: D. Chambers, London

10:45

The extracellular isoform of superoxide dismutase has a significant impact on cardiovascular ischemia and reperfusion injury during cardiopulmonary bypass and hypoxia

M. Immohr¹, A. Pinto¹, A. Jahn¹, A. Lichtenberg¹, U. Boeken¹, P. Akhyari², ¹Duesseldorf (Germany), ²Düsseldorf (Germany)

Discussant: F. Beyersdorf, Freiburg

11:00

Shock wave therapy causes increased macrophage recruitment and enhances M2 polarization

J. Holfeld, C. Tepeköylü, C. Reissig, D. Lobenwein, B. Scheller, E. Kirchmair, R. Kozaryn, K. Albrecht-Schgoer; Innsbruck (Austria)

Discussant: A. Moritz, Frankfurt

11:15

Wilms' tumour suppressor 1 protein expression: predictive for future aortopathy in patients with bicuspid aortic valve?

N. Grewal¹, M. Goumans¹, M. Deruiter¹, R. Klautz¹, R. Poelmann¹, B. Mulder², A. Bogers³, A. Gittenberger-De_groot¹; ¹Leiden (Netherlands), ²Amsterdam (Netherlands), ³Rotterdam (Netherlands)

Discussant: H. Reichenspurner, Hamburg

14:15 - 15:45

Infectious Problems

E106+E107

Moderators: M. J. Antunes, Coimbra; M. Zembala, Tarnowskie Góry

Learning objectives:

- *To understand difficult infectious problems in cardiac surgery. Preventive measures and technical solutions will be discussed*

14:15 A diagnostic puzzle: The Chimera story V. Falk, Berlin

14:30 Diagnosis and timing for intervention in endocarditis P. Tornos, Barcelona

14:45 Detection methods for prosthetic graft infection in cardiac surgery S. Chamuleau, Utrecht

15:00 How to handle aortic stent graft infections E. Girdauskas, Bad Berka

15:15 The ideal material for the replacement of infected grafts and valves J. Pepper, London

15:30 If the aorto-mitral continuity is lost... M. Borger, Leipzig

14:15 - 15:45

Coronary artery bypass graft is on the rise, don't give it up

Auditorium

Moderators: A. Wahba, Trondheim; T. Gudbjartsson, Reykjavik; E. Stahle, Uppsala

Learning objectives:

- *To discuss the upcoming role of surgery in myocardial revascularization supported by 50 years evidence and ESC-EACTS 2014 Guidelines.*
- *How to get better surgical outcomes.*

14:15 Debate: All patients should have all arterial grafting D. Glineur, Brussels

14:30 Debate: Some patients should have all arterial grafting S. Head, Rotterdam

14:45 External vein support: myth or reality? M. Genoni, Zurich

15:00 Residual coronary artery disease after primary PCI A. Gershlick, Leicester

15:15 Cardiac Surgery in patients with recent PCI M. Sousa Uva, Lisboa

15:30 Functional vs anatomical revascularization W. Wijns, Aalst

14:15 - 15:45

Future of sutureless valves

Forum

Moderators: J. Seeburger, Leipzig; A. Kaya,

Learning objectives:

- *To understand the advantages and drawbacks of sutureless valves*

14:15

Benefits of rapid deployment aortic valve replacement via a minimally invasive approach: One year results of a prospective multicentre randomized controlled trial

M. Borger¹, H. Reichenspurner², H. Treede², C. Knosalla³, T. Doenst⁴, M. Richter⁴, D. Holzhey¹, J. Strauch⁵; ¹Leipzig (Germany), ²Hamburg (Germany), ³Berlin (Germany), ⁴Jena (Germany), ⁵Bochum (Germany)

Discussant: G. Weiss, Vienna

14:30

Conventional versus rapid deployment aortic valve replacement: A single centre comparison between the Edwards Magna valve and its rapid deployment successor

M. Andreas, S. Wallner, A. Habertheuer, T. Binder, R. Rosenhek, D. Wiedemann, A. Kocher, G. Laufer; Vienna (Austria)

Discussant: M. Vola, St Etienne

14:45

Sutureless versus conventional stented bioprosthesis.

Meta-analysis of postoperative mortality and morbidity in isolated aortic valve replacement.

M. Meco, E. Giustiniano, P. Panisi, S. Cirri, A. Miceli, M. Ferrarini, M. Glauber; milan (Italy)

Discussant: R. Cocchieri, Amsterdam

15:00

Management of small aortic annulus in the era of sutureless aortic valve replacement

A. Ghoneim¹, I. Bouhout¹, M. Francispillai¹, P. Noly², A. Mazine¹, M. Pellerin¹, D. Bouchard², P. Demers²; ¹Montreal (Canada), ²Montréal (Canada)

Discussant: M. Glauber, Milan

15:15

Can sutureless and device mediated surgery reduce operative time in surgical aortic valve replacement?

B. Langhammer¹, M. Nucera¹, L. Englberger², E. Roost¹, D. Reineke¹, F. Schoenhoff², T. Carrel², C. Huber¹; ¹Berne (Switzerland), ²Bern (Switzerland)

Discussant: F. Mohr, Leipzig

15:30

Aortic valve replacement with sutureless prosthesis: better than root enlargement to avoid patient–prosthesis mismatch?

E. Beckmann, A. Martens, F. Alhadi, K. Hoeffler, S. Sarikouch, N. Koigeldiev, A. Haverich, M. Shrestha; Hannover (Germany)

Discussant: E. Quintana, Barcelona

14:15 - 15:45

Challenges in surgical aortic valve replacement

G104+G105

Moderators: J. Pepper, London; R. Sádaba, Pamplona

Learning objectives:

- *Challenges and pitfalls during aortic valve surgery*
- *Outcomes of aortic valve replacement in patients with anatomic and physiologic complicating factors*

14:15

Aortic prosthesis-patient mismatch halts regression of secondary mitral regurgitation after isolated aortic valve replacement: six-year follow-up analysis

E. Angeloni, G. Melina, S. Refice, F. Capuano, A. Roscitano, C. Comito, R. Sinatra; Rome (Italy)

Discussant: M. Moon, St Louis

14:30

Combined ascending aorta replacement under circulatory arrest for severe aortic calcification in patients with aortic stenosis

H. W. Chang, Y. H. Cho, D. S. Jeong, K. Sung, W. S. Kim, Y. T. Lee, P. W. Park; Seoul (Korea)

Discussant: S. Westaby, Oxford

14:45

Global longitudinal strain for prediction of left ventricular mass regression and clinical outcomes in patients with aortic prosthesis-patient mismatch

J. Hu, E. Y. Zhang; Cheng Du (China)

Discussant: G. Gerosa, Padova

15:00

Long-term follow-up of patients submitted to aortic root enlargement

P. Correia, G. Coutinho, C. Branco, M. Antunes; Coimbra (Portugal)

Discussant: T. Folliguet, Vandoeuvre les Nancy Cedex

15:15

Medtronic Freestyle aortic bioprosthesis: A potential option for haemodialysis patients

Y. Y. Hegazy¹, A. Rayan², R. Sodian¹, W. Hassanein², S. Bauer¹, J. Ennker¹; ¹Lahr (Germany), ²Alexandria (Egypt)

Discussant: A. Kaya, Amsterdam

15:30

Low- flow low- gradient aortic stenosis: surgical outcomes and midterm results

A. Lopez¹, A. Youhana², S. Ashraf², A. Zaidi², F. Bhatti², P. Kumar³; ¹Cardiff (United Kingdom), ²Swansea (United Kingdom), ³SWANSEA (United Kingdom)

Discussant: A. De Souza, London

14:15 - 15:45

Transcatheter aortic valve implantation: Current and future perspectives

E104+E105

Moderators: N. Van Mieghem, Rotterdam; H. Reichenspurner, Hamburg

14:15 Will the latest evidence change the way we treat severe aortic stenosis? O. Wendler, London

14:30 Redo patients: Why transcatheter aortic valve implantation is a good option J. Kempfert, Bad Nauheim

14:45 Aortic and mitral degenerated bioprostheses L. Conradi, Hamburg

15:00 The Transaortic « ROUTE » why is it another good option for the cardiac surgeon M. Romano, Massy

15:15 Do it still make sense to consider severe AS high-risk patients to surgery? - Yes, why? T. Modine, LILLE

15:20 Do it still make sense to consider severe AS high-risk patients to surgery? - No, why? N. Van Mieghem, Rotterdam

15:25 Discussion

15:30 **Wrap-up** H. Reichenspurner, Hamburg

14:15 - 15:45

Basic Science 2

F002

Moderators: A. Haverich, Hannover

14:15

The cardiomy reservoir - a new cell source for cardiovascular tissue engineering

S. Nathusius¹, F. König², F. Born², R. Sodian², C. Hagl², N. Thierfelder²; ¹München (Germany), ²Munich (Germany)

Discussant: M. Grimm, Innsbruck

14:30

Determination of acute kidney injury by neutrophil gelatinase-associated lipocalin and cystatin C in serum offers precise and prompt identification of patients at risk of prolonged manifest kidney dysfunction after heart operations using cardiopulmonary bypass

J. Kalisnik¹, E. Hrovat¹, A. Jerin¹, J. Zibert¹, G. Santarpino², M. Skitek¹, T. Klokocovnik¹; ¹Ljubljana (Slovenia), ²Nuremberg (Germany)

Discussant: H. J. Ankersmit, Vienna

14:45

Observation of retinal vessels during intermittent pressure augmented–retrograde cerebral perfusion in clinical cases.

H. Endo¹, H. Ishii², H. Tsuchiya², Y. Takahashi², Y. Nishino², H. Kubota²; ¹Tokyo (Japan), ²Mitaka-shi, Tokyo (Japan)

15:00

Intraoperative blood transfusions increase circulating plasma free-haemoglobin levels and plasma nitric oxide consumption impairing endothelium-dependent vasodilatation during coronary artery bypass graft surgery

A. Rungatscher¹, E. Milani², C. Covajes², M. Tessari², S. Hallström³, L. Gottin², G. Guidi², G. Faggian²; ¹VERONA (Italy), ²Verona (Italy), ³Graz (Austria)

Discussant: H. Schäfers, Homburg/Saar

15:15

Challenges in developing a reseeded, tissue engineered aortic valve prothesis

A. Hof¹, S. Raschke², K. Baier², L. Nehrenheim², J. Selig², A. Lichtenberg³, H. Meyer⁴, P. Akhyari²; ¹Kaarst (Germany), ²Düsseldorf (Germany), ³Duesseldorf (Germany), ⁴Hannover (Germany)

Discussant: A. Haverich, Hannover

15:30

Longer coronary anastomosis provides better haemodynamics in coronary artery bypass grafting

H. Tsukui¹, M. Shinke², Y. K. Park³, K. Yamazaki²; ¹Shinjuku (Japan), ²Tokyo (Japan), ³Fukushima (Japan)

Discussant: T. Szerafin, Debrecen

16:00 - 17:30

The two faces of arterial revascularisation

Auditorium

Moderators: S. Head, Rotterdam; T. Kieser, Calgary

Learning objectives:

- *The choice of conduits for revascularisation*
- *Sternal wound complication*
- *Risk management*

16:00

Results of a randomized trial of long term clinical outcomes and patencies of radial artery versus right internal thoracic artery or saphenous vein

B. Buxton, P. Hayward, S. Moten, W. Shi, A. Rosalion, J. Raman, G. Matalanis, D. Hare; Melbourne (Australia)

Discussant: U. Benedetto, London

16:15

Is a third arterial conduit necessary? Comparison of the radial artery and saphenous vein in patients receiving bilateral internal thoracic artery grafting for triple vessel coronary disease

W. Shi, J. Tatoulis, A. Newcomb, P. Hayward, J. Fuller, A. Rosalion, B. Buxton; Melbourne (Australia)

Discussant: D. Glineur, Ottawa

16:30

Efficacy of multiple arterial coronary bypass grafts for diabetes patients

A. Yamaguchi¹, N. Kimura¹, S. Itoh¹, K. Adachi¹, K. Yuri², H. Okamura¹, H. Adachi¹; ¹Saitama (Japan), ²8503 (Japan)

Discussant: T. Folliguet, Vandoeuvre les Nancy Cedex

16:45

Long term effects of multiple arterial grafts in coronary artery bypass graft patients in the current era of an obesity epidemic

T. Schwann¹, L. Al-Shaar², A. Kabour¹, M. Engoren³, M. Bonnell¹, R. Habib²; ¹Toledo (United States of America), ²Beirut (Lebanon), ³Ann Arbor (United States of America)

Discussant: D. Taggart, Oxford

17:00

Bilateral mammary artery grafting increases post-operative mediastinitis without survival benefit in obese patients

P. Voisine, E. Ruka; Quebec (Canada)

Discussant: J. Dunning, Middlesbrough

17:15

To be advised

T. Kieser, Calgary

16:00 - 17:30

Results of Ross procedures and homografts in aortic surgery

E106+E107

Moderators: C. Knosalla, Berlin; U. Rosendahl, London

Learning objectives:

- *Learn about outcomes of Ross and homografts procedures*

16:00 The Ross procedure: Current state and its future H. Sievers, Lübeck

16:15

Results of the Ross procedure in adults: a sixteen-year single-centre experience

A. Bogachev-Prokopyev, R. Shariphulin, I. Demin, S. Zheleznev, A. Karaskov; Novosibirsk (Russian Federation)

Discussant: J. Pepper, London

16:30

Is the Ross procedure a riskier operation? – perioperative outcome comparison with mechanical aortic valve replacement in a propensity-matched cohort

P. Noly¹, I. Bouhout², L. Stevens², R. Cartier², N. Poirier¹, I. El-Hamamsy¹; ¹Montréal (Canada), ²Montreal (Canada)

Discussant: U. Franke, Stuttgart

16:45

Decellularized homografts for aortic valve and aorta ascendens replacement

I. Tudorache, A. Horke, S. Sarikouch, P. Beerbaum, M. Westhoff-Bleck, D. Boethig, A. Haverich, S. Cebotari; Hannover (Germany)

Discussant: M. Hazekamp, Leiden

17:00 Is there still a place for homografts in elective aortic procedures? J. Pepper, London

16:00 - 17:30

Transcatheter mitral valve replacement: new valves and experiences

G104+G105

Moderators: V. Falk, Berlin; T. Modine, LILLE; N. Van Mieghem, Rotterdam; R. Klautz, Leiden

16:00 Overview: Defining the clinical problem and unmet need of mitral insufficiency T. Walther, Bad Nauheim

16:10 CardiaQ experience

N. Van Mieghem, Rotterdam

16:20 Tendyne	<u>N. Moat</u> , London
16:30 Neovasc/ TIARA	
16:40 Highlife	<u>R. Lange</u> , Munich
16:50 Twelve	
17:00 Medtronic	<u>H. Treede</u> , Hamburg
17:10 Fortis	<u>V. Bapat</u> , London
17:20 What have we learned from initial experiences, what could be expected from ongoing experiences?	
<u>T. Modine</u> , LILLE	
17:25 Wrap-up and key learnings	<u>V. Falk</u> , Berlin

16:00 - 17:30
Late breakers
Forum

16:00 - 17:30
Fast-Track Management
E104+E105

Moderators: S. Westaby, Oxford; D. Pereda, Barcelona; J. Yared, Cleveland

Learning objectives:

- *Understand the different components of fast track management including patient selection, anesthesia, temperature management, pain control, necessary infrastructural requirements and economical implications*

16:00	Why do we need to deal with this topic	<u>J. Yared</u> , Cleveland
16:05	Selection of patients	<u>M. Sitges</u> , Barcelona
16:13	Discussion	
16:18	Anesthesia aspects to keep in mind	<u>M. Ranucci</u> , Milan
16:26	Discussion	
16:31	The surgical changes to allow fast recovery	<u>C. Young</u> , London
16:41	Discussion	
16:46	New surgical approaches are facilitating fast track?	<u>H. Kehlet</u> , Copenhagen
17:01	Logistics and infrastructure resources you need to have a FT program	<u>S. Westaby</u> , Oxford
17:09	Rapid deploying Aortic Valves: Is this the key?	<u>R. Pessotto</u> , Edinburgh
17:24	General Discussion	
17:29	Financial implications of fast track	<u>J. Ender</u> , Leipzig
17:39	Discussion and wrap-up	

08:15 - 09:45
Endoscopic port access mitral valve repair drylab using high fidelity simulators
F005

Tuesday 6 October 2015

08:15 - 09:45

Current challenges for extracorporeal life support

Forum

Moderators: P. LePrince, Paris

Learning objectives:

- *Expanding indications*
- *Providing a centralised service*

08:15 Designing a regional extracorporeal life support service tba

08:30

Shifting admission source and discharge disposition among adult extracorporeal membrane oxygenation patients in the United States from 2003-2012

K. McDermott, F. McCarthy, A. Hoedt, P. Atluri, D. Spragan, W. Szeto, M. Acker, N. Desai; Philadelphia (United States of America)

Discussant: C. Schmid, Regensburg

08:45

The outcome of patients requiring multiple extracorporeal membrane oxygenation

Y. Chen, C. Wang, T. Chang, S. Huang, N. Chi, N. Chou; Taipei (Taiwan)

Discussant: G. Trummer, Freiburg

09:00

State of neurological outcome after twenty minutes of circulatory arrest using controlled integrated reperfusion of the whole body

J. Taunyane, G. Trummer, K. Foerster, C. Benk, K. Wittmann, S. Doostkam, C. Heilmann, F. Beyersdorf; Freiburg (Germany)

Discussant: C. Hagl, Munich

09:05

Profound accidental hypothermia - systematic approach to active recognition and treatment

A. Jarosz¹, T. Darocha¹, S. Kosiński², R. Gałazkowski³, H. Hymczak¹, R. Drwila¹; ¹Krakow (Poland), ²Zakopane (Poland), ³Warsaw (Poland)

Discussant: H. Tevaearai, Berne

09:20 The future of extracorporeal life support F. Beyersdorf, Freiburg

08:15 - 09:45

Native and prosthetic valve endocarditis: An update

G104+G105


Moderators: F. Bakhtiary, Leipzig; M. J. Antunes, Coimbra

Learning objectives:

- *New techniques for surgical treatment of valve endocarditis*
- *Long-term results of surgical treatment of valve endocarditis*

08:15

The modified "Cabrol technique" for aortic root replacement in patients with severe destructive aortic and mitral valve endocarditis

M. Vollroth, C. D. Etz, M. Amer,  Akhavuz, F. Mohr, F. Bakhtiary; Leipzig (Germany)

Discussant: T. Modine, LILLE

08:30

Over twenty-year experience with aortic homograft in aortic valve replacement during infective endocarditis

S. Solari¹, S. Mastrobuoni², L. De Kerchove¹, E. Navarra³, P. Astarci², P. Noirhomme², J. Rubay¹, G. El Khoury¹; ¹Bruxelles (Belgium), ²Brussels (Belgium), ³bruxelles (Belgium)

Discussant: M. Musci, Berlin

08:45

Stentless bioprostheses: a versatile and durable solution in extensive aortic valve endocarditis

A. Schneider, J. Braun, M. Hazekamp, M. Versteegh, R. Klautz; Leiden (Netherlands)

Discussant: T. Walther, Bad Nauheim

09:00 Surgery for prosthetic valve endocarditis: interrelations between morbidity, mortality and costs

H. Grubitzsch, T. Christ, C. Melzer, M. Kastrup, S. Treskatsch, W. Konertz; Berlin (Germany)

Discussant: T. Folliguet, Vandoeuvre les Nancy Cedex

09:15

Benefits and rationale of using the sorin freedom stentless aortic prosthesis in cases of acute bacterial endocarditis

G. Stefanelli, F. Pirro, D. Trevisan, B. Campisano, M. Meli; Modena (Italy)

Discussant: R. Sádaba, Pamplona

09:30

Optimal timing of surgery for active infectious endocarditis with cerebral complications: Japanese multi-centre study

Y. Okita¹, K. Minakata², S. Yasuno², T. Sato², K. Ueshima², N. Morita³, M. Harada⁴, J. Kobayashi⁵; ¹Kobe (Japan), ²Kyoto (Japan), ³Suita (Japan), ⁴Tokushima (Japan), ⁵Osaka (Japan)

Discussant: M. Borger, New York

08:15 - 09:45

Revisiting the tricuspid valve

E106+E107

Moderators: O. Alfieri, Milan; J. Seeburger, Leipzig

Learning objectives:

- *Optimal strategies for repair and replacement of the tricuspid valve*
- *The question of timing: Too early or too late*

08:15

Long term echocardiographic follow-up of untreated mild or greater tricuspid regurgitation in patients undergoing mitral valve surgery

K. Kusajima¹, T. Fujita², H. Hata³, Y. Shimahara³, J. Kobayashi³; ¹Sapporo (Japan), ²Suita (Japan), ³Osaka (Japan)

Discussant: M. De Bonis, Milan

08:30

Midterm results of leaflet augmentation in severe tricuspid functional regurgitation.

M. Pettinari, H. Gutermann, C. Van Kerrebroeck, S. Sainte, E. Kulmane, R. Dion; Genk (Belgium)

Discussant: R. Klautz, Leiden

08:45

New technique of tricuspid valve repair due to infective endocarditis and midterm results.

R. Amiraghov, R. Muratov, D. Britikov, S. Banbenko, L. Bockeria; Moscow (Russian Federation)

Discussant: P. Perier, Bad Neustadt/Saale

09:00

Carcinoid heart disease: Optimised outcomes using standardised surgical techniques and a multidisciplinary approach

M. Silaschi¹, J. Barr², M. Baghai², R. Deshpande², O. Wendler²; ¹Hamburg (Germany), ²London (United Kingdom)

Discussant: G. Dreyfus, Monte-Carlo

09:15

Outcomes of tricuspid valve replacement: a meta-analysis

E. Angeloni, G. Melina, S. Refice, A. Roscitano, F. Capuano, C. Comito, R. Sinatra; Rome (Italy)

Discussant: J. J. M. Takkenberg, Rotterdam

09:30 Should less than severe tricuspid regurgitation be treated during mitral valve repair

M. De Bon

is, Milan

08:15 - 09:45

Live PCI

Auditorium

10:15 - 11:45

Acute extracorporeal support and mechanical circulatory assist

Forum

Moderators: G. Gerosa, Padova; A. Ranasinghe, Birmingham; E. Quintana, Barcelona

Learning objectives:

- *To enhance your knowledge and familiarize with a wider indication of the more recent mechanical resources to improve outcomes of end stage HF patients*

10:15 Will extracorporeal life support replace intra-aortic balloon pump? M. Siepe, Freiburg

10:30 Euromacs database— First results T. De By, Berlin

10:45 Update on latest ventricular assist device trials J. Gummert, Bad Oeynhausen

11:00 Aortic insufficiency after left ventricular assist device implantation T. Krabatsch, Berlin

11:15 Managing the right ventricle after left ventricular assist device implantation S. Tsui, Cambridge

11:30 Total artificial heart – Whats new? When to indicate it? P. LePrince, Paris

10:15 - 11:45

Optimising outcomes in coronary surgery

Auditorium

Moderators: M. Sousa Uva, Lisboa; A. Ruusalepp, Tartu; M. Moon, St Louis

Learning objectives:

- *Role of antiplatelet therapy in coronary surgery*
- *Composite grafting and graft assessment*

10:15

Dual antiplatelet treatment related bleeding complications in coronary artery bypass grafting

A. Tomsic, M. A. Schotborgh, J. S. Manshanden, W. W. L. Li, B. De Mol; Amsterdam (Netherlands)

Discussant: M. Ranucci, Milan

10:30

Antiplatelet therapy post coronary artery bypass surgery: a complete survey of all cardiothoracic centres across the United Kingdom

Y. Haqzad¹, A. Woods², M. Chaudhry³, M. Loubani²; ¹Beverley (United Kingdom), ²Cottingham (United Kingdom), ³Cottingham (United Kingdom)

Discussant: R. Ascione, Bristol

10:45

Transit time flowmetry predicts mid-term patency in coronary artery bypass grafts - suboptimal flows should warrant closer post-operative surveillance

K. Teo¹, H. Jaafar², T. Chin², E. Sim²; ¹Singapore (Singapore), ²Jerudong Park (Brunei)

Discussant: G. Di Giammarco, Chieti

11:00

Transit-time flow measurement in composite arterial grafts and single target anastomoses in coronary bypass surgery

H. Beshir, M. El-Hamami, A. Aboelkassem, B. Ramadan; Alexandria (Egypt)

Discussant: A. Renzulli, Naples

11:15

Bilateral internal mammary artery grafting: in situ versus Y-graft. Similar twenty-year outcome.

A. Calafiore¹, A. Iacò¹, M. Di Mauro²; ¹Riyadh (Saudi Arabia), ²Lanciano (Italy)

Discussant: P. Astarci, Brussels

11:30

Bilateral internal mammary artery Y construct with multiple sequential grafting improves survival compared to bilateral internal mammary artery with additional vein grafts: ten year experience at two different institutions

D. Glineur¹, Y. Etienne², R. Shaw³, S. Papadatos², C. Kuschner³, M. Brizzio³, A. Zapolanski³, J.

Grau⁴; ¹Brussels (Belgium), ²Namur (Belgium), ³Rutherford (United States of America), ⁴Ridgewood (United States of America)

Discussant: P. Davierwala, Leipzig

10:15 - 11:45

Functional MR

E106+E107

Moderators: R. Klautz, Leiden; J. Obadia, Lyon - BRON - cedex

10:15

Is mitral valve repair preferable to replacement in ischaemic mitral regurgitation: a meta-analysis

M. Salmasi¹, M. Acharya², S. Hubbard¹, N. Humayun¹, H. Vohra²; ¹Leicester (United Kingdom), ²London (United Kingdom)

10:30

Long-term results of mitral repair in patients with severe left ventricular dysfunction and secondary mitral regurgitation: does the technique matter?

M. De Bonis, E. Lapenna, T. Nisi, M. Calabrese, F. Pappalardo, A. Pozzoli, G. La Canna, O. Alfieri; Milan (Italy)

Discussant: N. Moat, London

10:45

Concomitant mitral valve repair for moderate ischemic mitral regurgitation: A meta-analysis of randomized trials

T. Kopjar¹, H. Gašparović¹, C. Mestres², D. Miličić¹, B. Biočina¹; ¹Zagreb (Croatia), ²Abu Dhabi (United Arab Emirates)

11:00

Optimal results immediately after MitraClip or surgical edge-to-edge for functional mitral regurgitation: are they really stable at four years?

M. De Bonis¹, E. Lapenna¹, N. Buzzatti², G. La Canna¹, P. Denti¹, D. Schiavi¹, F. Pappalardo¹, O. Alfieri¹; ¹Milan (Italy), ²Milano (Italy)

Discussant: V. Delgado, Leiden

11:15

MitraClip repair is associated with better survival compared to heart-failure models predictions in functional mitral regurgitation

N. Buzzatti¹, P. Denti², D. Schiavi², L. Vicentini², M. De Bonis², G. La Canna², M. Senni³, O. Alfieri²; ¹Milano (Italy), ²Milan (Italy), ³Bergamo (Italy)

Discussant: S. Siregar, Leiden

11:30 Latest trials in FMR: What do they teach us?

J. Braun, Leiden

10:15 - 11:45

How to perform an effective surgical atrial fibrillation ablation - Rapid response

E102

Moderators: N. Doll, Stuttgart; M. La Meir, Brussels; A. Pozzoli, Milano

Learning objectives:

- *Different surgical approaches and techniques for atrial fibrillation*
- *Rate of atrial fibrillation recurrence and stroke*

10:15

Five year success of the minimally invasive stand-alone Cox Maze procedure for nonparoxysmal atrial fibrillation.

N. Ad, S. Holmes, D. Lamont, P. Massimiano; Falls Church (United States of America)

10:24

Identifying postoperative atrial fibrillation in cardiac surgical patients post-hospital discharge, using iPhone electrocardiogram

N. Lowres, G. Mulcahy, S. B. Freedman, R. Gallagher, A. Kirkness, D. Marshman, J. Orchard, L. Neubeck; Sydney (Australia)

10:33

Total endoscopic ablation for patients with longstanding persistent atrial fibrillation - a randomized controlled trial

E. Fengsrud¹, A. Wickbom¹, H. Almroth¹, A. Englund², A. Ahlsson¹; ¹Örebro (Sweden), ²Stockholm (Sweden)

10:42

The pressure effect of bipolar radio-frequency clamps for treatment of atrial fibrillation

J. Varzaly, D. Chapman, D. Lau, F. Viana, R. Stuklis, J. Edwards, P. Sanders, M. Worthington; Adelaide (Australia)

10:51

Long-term results of concomitant surgical ablation for atrial fibrillation

S. Pecha, S. Ghandili, S. Hakmi, S. Willems, H. Reichenspurner, F. Wagner; Hamburg (Germany)

11:00

Polish registry of the totally thoracoscopic ablation for persistent and long-standing persistent lone atrial fibrillation.

M. Zembala¹, A. Witkowska², G. Suwalski², G. Filipiak¹, O. Kowalski¹, D. Kosior², M. Zembala³, P. Suwalski²; ¹Zabrze (Poland), ²Warsaw (Poland), ³Tarnowskie Góry (Poland)

11:09

Epicardial, biatrial ablation with integrated uni-bipolar radiofrequency technology in patients with stand-alone persistent-long standing persistent atrial fibrillation: Mid-term rhythm outcome

C. Muneretto¹, G. Bisleri¹, F. Rosati¹, A. Curnis¹, L. Bontempi¹, E. Merati¹, M. Moltrasio², G. Polvani²; ¹Brescia (Italy), ²Milan (Italy)

11:18

Left atrial appendage exclusion to prevent cerebrovascular events during surgical ablation of atrial fibrillation: is it worthwhile?

G. Coppola¹, A. Pozzoli², A. Fumero², I. Giambuzzi², G. Di Giannaurio², G. La Canna¹, S. Benussi², O. Alfieri²; ¹Milano (Italy), ²Milan (Italy)

11:27

Long-term results of left atrial ablation with bipolar radiofrequency for persistent atrial fibrillation concomitant to mitral valve surgery

A. Pozzoli, S. Benussi, A. Fumero, G. Coppola, I. Giambuzzi, M. Kamami, G. La Canna, O. Alfieri; Milan (Italy)

11:36

Atrial fibrillation incidence during the first post- coronary arterial bypass graft year determined by Reveal XT

E. Rodriguez, N. Shah, M. Tedder, D. Glassford, C. Ramaiah; Nashville (United States of America)

10:15 - 11:45

MICS vs surgery

G104+G105

Moderators: J. L. Pomar, Barcelona; M. Grimm, Innsbruck

Learning objectives:

- *Despite a wider use of MICS techniques some professionals feel the future is somewhere else. Despite*

similar early outcomes scientific long term evidence is missing and a deeper debate seems interesting for most heart surgeons.

- 10:15 A reason for debate? J. L. Pomar, Barcelona
10:20 Debate: Classic valve surgery is superior D. H. Adams, New York
10:30 Live-in-a-box of complex repairs D. H. Adams, New York
10:45 Debate: MI mitral surgery is good for all patients P. Perier, Bad Neustadt/Saale
10:55 Live-in-a-box of complex repairs P. Perier, Bad Neustadt/Saale
11:10 In my long experience, mid sternotomy is better R. Dion, Genk
11:15 A trend does not mean we get the best for the patients J. Grau, Ridgewood
11:20 Outcomes are the evidence to change the approach V. Falk, Berlin
11:25 Does robotic surgery going to make the revolution? G. Dreyfus, Monte-Carlo
11:30 Teaching MICS should be mandatory in current CVS training D. Pereda, Barcelona
11:35 Wrap-up J. L. Pomar, Barcelona

This session is supported by an unrestricted educational grant from B Braun

14:15 - 15:45

Left ventricular assist device: Latest advances E104+E105

Moderators: G. Gerosa, Padova; A. Ranasinghe, Birmingham; S. Tsui, Cambridge

Learning objectives:

- *Implementation new devices*
- *Strategies for peri-operative complications*

14:15

Multicentre clinical trial experience with the HeartMate III left ventricular assist device: Thirty day outcomes

D. Zimpfer¹, I. Netuka², J. Schmitto³, Y. Pya⁴, J. Garbade⁵, M. Morshuis⁶, F. Beyersdorf⁷, T.

Krabatsch⁸; ¹Vienna (Austria), ²Prague (Czech Republic), ³Hannover (Germany), ⁴Astana (Kazakhstan), ⁵Leipzig (Germany), ⁶Bad Oeynhausen (Germany), ⁷Freiburg (Germany), ⁸Berlin (Germany)

Discussant: A. Simon, Harefield

14:30

An examination of the HVAD Lavare cycle in clinical practice

D. Zimpfer¹, J. Schmitto², A. Fiane³, R. Larbalestier⁴, S. Tsui⁵, P. Jansz⁶, S. Schueler⁷, M. Strueber⁸; ¹Vienna (Austria), ²Hannover (Germany), ³Oslo (Norway), ⁴Perth (Australia), ⁵Cambridge (United Kingdom), ⁶Sydney (Australia), ⁷Newcastle upon Tyne (United Kingdom), ⁸Grand Rapids (United States of America)

Discussant: G. Wieselthaler, San Francisco

14:45

A new technique to exclude the left ventricle with an assist device

S. Klotz¹, R. Meyer-Sarai¹, A. Frydrychowicz², M. Scharfschwerdt¹, L. Putman¹, S. Halder¹, H. Sievers¹; ¹Lübeck (Germany), ²Luebeck (Germany)

Discussant: D. Schibilsky, Tuebingen

15:00

Impact of concomitant tricuspid valve repair on left ventricular assist device implantation: A propensity score analysis

Y. Li, R. Ayala, C. Benk, F. Beyersdorf, M. Berchtold-Herz, J. Kroll, M. Siepe; Freiburg (Germany)

Discussant: E. Potapov, Berlin

15:15

Genetic variations of phenprocoumon metabolism in patients with ventricular assist devices (VAD)

O. Krumnau, K. Brehm, F. Beyersdorf, M. Hoffmann, C. Heilmann; Freiburg (Germany)

15:30

Conservative approaches for HeartWare HVAD pump thrombosis may improve the outcome compared to immediate surgical approach

D. Saeed¹, A. Albert¹, B. Maxhera¹, T. Hoffmann², R. Westenfeld², A. Lichtenberg³; ¹Dusseldorf (Germany), ²Düsseldorf (Germany), ³Duesseldorf (Germany)

Discussant: K. Brehm, Freiburg

14:15 - 15:45

Degenerative MR E106+E107

Moderators: S. Livesey, Southampton; C. Huber, Bern; T. Hanke, Lübeck

14:15

Early outcomes after mitral valve repair vs. replacement in the elderly: A propensity matched analysis
S. Farid¹, H. Povey¹, A. Ladwiniec², A. Ali², N. Moorjani², Y. Abu-Omar²; ¹Cambridge (United Kingdom), ²3RE (United Kingdom)

Discussant: J. I. Saez De Ibarra, Palma De Mallorca

14:30

Minimally invasive mitral valve repair for degenerative disease. A multi-centric propensity score matching analysis.

K. Fattouch¹, M. Moscarelli², M. Del Giglio³, A. Albertini³, R. Gregorini⁴, V. Romano⁵, G. Popoff⁶, G. Speziale⁷; ¹50100 (Italy), ²London (United Kingdom), ³Cotignola (Italy), ⁴Lecce (Italy), ⁵Bologna (Italy), ⁶Firenze (Italy), ⁷Bari (Italy)

Discussant: P. Perier, Bad Neustadt/Saale

14:45

Surgical factors and complications affecting hospital outcome in redo mitral surgery: insights from a multicentre experience

F. Onorati¹, A. Perrotti², D. Reichart³, G. Santarpino⁴, G. Mariscalco⁵, A. Rubino⁶, M. De Feo⁷, F. Santini⁸; ¹Verona (Italy), ²Besancon (France), ³Hamburg (Germany), ⁴Nuremberg (Germany), ⁵Varese (Italy), ⁶Catania (Italy), ⁷Naples (Italy), ⁸Genova (Italy)

Discussant: J. Verhoye, Rennes

15:00

Non-infective isolated mitral valve surgery - comparison of redo- with first surgery's outcomes

M. Wilbring, S. Arzt, K. Alexiou, U. Kappert, K. Matschke, S. Tugtekin; Dresden (Germany)

Discussant: F. Van Praet, Aalst

15:15

Long-term results of mitral valve surgery for degenerative anterior leaflet or bileaflet prolapse: negative factors for repair, early and late failures of repair and survival analysis

G. Freitas Coutinho, P. Correia, C. Branco, M. Antunes; Coimbra (Portugal)

Discussant: L. De Kerchove, Brussels

15:30

Stroke in minimally invasive mitral valve surgery – a propensity matched analysis

M. Vollroth, P. Kiefer, T. Noack, J. Garbade, M. Misfeld, F. Bakhtiary, F. Mohr, J. Seeburger; Leipzig (Germany)

Discussant: T. Modine, LILLE

14:15 - 15:45

General cardiac - Rapid response

E102

Moderators: Y. Okita, Kobe; E. Quintana, Barcelona

14:15

Pregnancy outcome after thrombosis of a mechanical heart valve prothesis

A. Hassouna, S. Elassy, H. Elgalab, A. Elmidany, C. Abdelsamei, A. Helmi, M. Elghanam; Cairo (Egypt)

14:24

Secondary sclerosing cholangitis after cardiac surgery: A complication with a dismal prognosis

I. Aleksic¹, I. Schade², J. Hoffmann², M. Leistner², S. Sommer², D. Radakovic², C. Schimmer², R. Leyh²; ¹Würzburg (Germany), ²Wuerzburg (Germany)

14:33

Metabolic syndrome affects outcomes of heart valve surgery

E. Angeloni, G. Melina, S. Refice, A. Roscitano, F. Capuano, C. Comito, R. Sinatra; Rome (Italy)

14:42

The chaos theory: preoperative anaemia, blood transfusion or both?

L. A. Lisboa¹, O. Mejía², L. Faria³, L. Dallan³, F. Jatene¹, G. Repliccar²; ¹Sao Paulo (Brazil), ²São Paulo (Brazil), ³Sao Paulo - SP (Brazil)

14:51

Thrombus resolution and right ventricular functional recovery using ultrasound-accelerated thrombolysis in acute massive and submassive pulmonary embolism

N. Dikmen Yaman, C. Saricaoglu, A. Akar, B. İnan, S. Durdu, M. Cakici, E. Ozcinar, M. Sirlak; Ankara (Turkey)

15:00

Pulmonary endarterectomy is effective and safe in patients with haemoglobinopathies and abnormal red blood cells

B. Mahesh¹, M. Besser¹, A. Ravaglioli¹, A. Klein¹, C. Ng¹, S. Tsui², J. Dunning¹, D. Jenkins¹; ¹Cambridge (United Kingdom), ²Cambridge (United Kingdom)

15:09

Twenty five years' experience with resection of renal tumours with cavoatrial extension in circulatory arrest
A. Dashkevich¹, E. Bagaev², M. Pichlmaier², C. Hagl², C. Stief², M. Staehler², P. Brenner^{2,1}
(Finland), ²Munich (Germany)

15:18

Hypernephroma extending in the retrohepatic vena cava sus-hepatic veins or right atrium: surgical techniques and outcomes in 41 patients

F. Dagenais, M. Gagne-Loranger, F. Pouliot, V. Fradet, L. Lacombe; Quebec (Canada)

15:27

Concomitant pulmonary artery denervation during mitral valve surgery for pulmonary artery hypertension: First-in-man study

A. Bogachev-Prokophiev, A. Afanasyev, S. Zheleznev, M. Fomenko, D. Demidov, V. Nazarov; Novosibirsk (Russian Federation)

15:36

Monolateral pulmonary endoarterectomy: an orphan treatment?

V. Grazioli, G. Silvaggio, M. Salati, C. Monterosso, A. Sciortino, M. Pin, N. Vistarini, A. M. D'Armini; Pavia (Italy)

16:00 - 17:30

Aortic valve replacement: Ever had any problem?

Forum

Moderators: F. Beyersdorf, Freiburg; V. Delgado, Leiden

Panel: G. Wimmer-Greinecker, Bad Bevensen; R. Klautz, Leiden; C. A. Mestres, Abu Dhabi

Learning objectives:

- *To understand the surgical and interventional management of common complications after aortic valve and root surgery and learn about strategies for common problems*

16:00 Paravalvular leak after surgical aortic valve replacement T. Fleck, Vienna

16:01 Panel discussion

16:02 Severity assessment (Imaging) V. Delgado, Leiden

16:03 Management (Surgical / Interventional) F. Maisano, Zurich

16:04 Ischemia after surgical aortic valve replacement D. Schibilsky, Tuebingen

16:05 Panel discussion

16:06 Differential diagnosis of perioperative ischemia N. Van Mieghem, Rotterdam

16:07 Treatment options (Interventional vs Surgery) G. Wimmer-Greinecker, Bad Bevensen

16:08 Smallest size does not fit M. Misfeld, Leipzig

16:09 Panel discussion

16:10 Annular enlargement or root replacement G. Freitas Coutinho, Coimbra

16:11 Sutureless valve or transcatheter aortic valve implantation P. Klein, Nieuwegein

16:00 - 17:30

New technology in mitral surgery - Rapid response

E102

Moderators: T. A. Folliguet, Vandoeuvre les Nancy Cedex; F. Maisano, Zurich; K. Widenka,

16:00

From bench to bedside –Transcatheter mitral valve-in-ring procedures for failed mitral repair: Results of an ex-vivo study and follow-up of an initial patient series

S. Arzt, M. Wilbring, K. Matschke, U. Kappert, K. Alexiou; Dresden (Germany)

16:09

Transapical implantation of transcatheter valves after failed mitral ring annuloplasty: mid term results of "valve-in-ring" procedure in high risk patients

M. Taramasso¹, A. Pozzoli¹, A. Latib¹, F. Nietlispach², G. La Canna¹, A. Colombo¹, O. Alfieri¹, F. Maisano³; ¹Milan (Italy), ²Zürich (Switzerland), ³Zurich (Switzerland)

16:18

Transvalvular mitral bridge for functional mitral regurgitation: Midterm clinical results

S. Cerny, V. Subramanian, I. Skalsky, M. Benesova, K. Mzourkova; Prague (Czech Republic)

16:27

A novel septal-lateral flexible and remodelling mitral annuloplasty ring – proof of concept in a porcine model

M. Tjørnild¹, D. Røpcke¹, S. Nielsen¹, C. Ilkjær¹, J. Rasmussen¹, J. Couetil², S. Nielsen¹; ¹Aarhus N (Denmark), ²Créteil (Denmark)

16:36

Transapical off-pump mitral valve repair with neochordae implantation: clinical and echocardiographic results at one year follow-up

A. Colli¹, E. Manzan², E. Bizzotto², L. Besola², F. Zucchetta², D. Pittarello², R. Bellu², G. Gerosa¹; ¹Padova (Italy), ²Padua (Italy)

16:45

Rigid remodelling versus fully flexible mitral annuloplasty rings - A novel assessment tool for biomechanical characterization

S. Skov¹, D. Ropcke¹, C. Ilkjær¹, J. Rasmussen¹, M. Tjørnild¹, H. Nygaard¹, M. Jensen², S. Nielsen¹; ¹Aarhus N (Denmark), ²Atlanta (United States of America)

16:54

Effects of the surgical techniques on long-term results in patients with degenerative mitral valve bi-leaflet prolapse

G. Petrone, R. Bellitti, C. Pascarella, G. Nappi, G. Signoriello, P. Santé; Naples (Italy)

17:03

Long-term outcomes of minimally invasive mitral valve surgery in reoperations on the mitral valve: propensity matched analysis

P. Vallabhajosyula, A. Pulsipher, E. Pitkin, D. Small, T. Wallen, S. Musthaq, M. Acker, W. Hargrove III; Philadelphia (United States of America)

17:12

A new approach for minimally invasive cardiac surgery: The periareolar access

R. Poffo, A. Toschi, C. Mokross, R. Pope; São Paulo (Brazil)

17:21

A matched-pair analysis of non-rib-spreading, fully endoscopic, mini incision technique vs. conventional mini-thoracotomy for mitral valve repair

F. S. Westhofen, L. Conradi, T. Deuse, C. Detter, H. Reichensperner, H. Treede; Hamburg (Germany)

16:00 - 17:30 Case reports & videos

G104+G105

Moderators: M. Siepe, Bad Krozingen; F. Maisano, Zurich

Learning objectives:

- *to assess new options in unusual situations*

16:00

Percutaneous transcatheter closure for aortic puncture and paravalvular leak closure with the new Amplatzer III device

B. Winkler¹, B. Meier¹, T. Carrel², C. Huber²; ¹Bern (Switzerland), ²Berne (Switzerland)

16:09

Re-do ascending, total aortic arch and common carotid artery replacement with homograft after infection of ascending, aortic arch and carotid artery graft.

M. Shrestha, E. Beckmann, A. Junge, T. Kaufeld, J. Umminger, N. Koigeldiyev, A. Haverich, A. Martens; Hannover (Germany)

16:24

Extra-anatomic transcatheter aortic valve implantation in a grown up congenital heart disease patient with a Rastelli channel

G. Dahle¹, K. A. Rein²; ¹Oslo (Norway), ²Oslo (Norway)

16:33

Posterior post-infarction ventricular septal defect repair

B. Moscoso, G. Ventosa, R. Cartaña, D. Pereda; Barcelona (Spain)

16:48

Chylopericardium causing delayed cardiac tamponade

P. Nanjaiah, T. Combella, A. Syed, D. Mehta; Cardiff (United Kingdom)

16:57

Hybrid treatment of thoracoabdominal aneurysm and dissection. Visceral debranching

E. Charchyan, Z. Khachatryan, A. Skvotsov; Moscow (Russian Federation)

17:12

Pericardio-esophageal fistula: an unusual complication of ablation for atrial fibrillation

A. Jassar, E. Sylvain, J. Kucharczuk, P. Vallabhajosyula; Philadelphia (United States of America)

16:00 - 17:30

What is new in transcatheter aortic valve implantation?

Auditorium

Moderators: C. Huber, Bern; T. Walther, Bad Nauheim; M. Zembala, Zabrze

Learning objectives:

- *Optimising results in transcatheter aortic valve implantation*
- *Medium term outcomes of transcatheter aortic valve implantation*

16:00

Comparison of the two common applications used for three-dimensional sizing prior to transcatheter aortic valve implantation

A. Holzamer, M. Zerditzki, K. Debl, D. Endemann, D. Camboni, L. Maier, C. Schmid, M. Hilker; Regensburg (Germany)

Discussant: H. Thyregod, Copenhagen

16:15

Asymmetric calcium distributions of the aortic valve as a risk factor for the need of permanent pacemaker implantation after transcatheter aortic valve implantation

B. Fujita¹, M. Seiffert², M. Kütting³, S. Scholtz¹, W. Scholtz¹, J. Börgermann¹, J. Gummert¹, S. Ensminger¹; ¹Bad Oeynhausen (Germany), ²Hamburg (Germany), ³Aachen (Germany)

Discussant: B. Marcheix, Toulouse

16:30

Impact of pre-operative left ventricular hypertrophy on clinical outcomes of patients with residual aortic regurgitation $\leq 2+$ after transcatheter aortic valve implantation

N. Buzzatti¹, A. Latib², E. Agricola², M. Barletta², A. Castiglioni², M. Montorfano², O. Alfieri², A. Colombo²; ¹Milano (Italy), ²Milan (Italy)

Discussant: H. Baumbach, Stuttgart

16:45

Two-year outcomes following transapical transcatheter aortic valve implantation from the multicentre engager pivotal trial

H. Treede, Hamburg (Germany)

Discussant: A. Driessen, Amsterdam

17:00

Insights from a multicentre prospective transaortic transcatheter aortic valve implantation registry (ROUTE) – a comparison of patients undergoing transaortic transcatheter aortic valve implantation first-line versus last resort

N. Bonaros¹, D. Jagielak², M. Romano³, R. Cocchieri⁴, D. Frank⁵, M. Aiello⁶, V. Bapat⁷, P. Bramlage⁸; ¹Innsbruck (Austria), ²Gdansk (Poland), ³Massy (France), ⁴Amsterdam (Netherlands), ⁵Kiel (Germany), ⁶Pavia (Italy), ⁷London (United Kingdom), ⁸Cloppenburg (Germany)

Discussant: J. Yap, London

17:15

Impact of changes in left ventricular ejection fraction on survival after trans-apical transcatheter aortic valve implantation

A. D'Onofrio¹, G. Rizzoli¹, L. Besola², E. Bizzotto², E. Manzan², R. Bianco¹, G. Tarantini¹, G.

Gerosa¹; ¹Padova (Italy), ²Padua (Italy)

Discussant: J. Goiti, Bilbao

12:10 - 12:50

Honoured Guest

Auditorium

08:15 - 09:45

Joint Session EACTS SBCCV PASCATS - Cardio-thoracic surgery

G109

Moderators: C. Yankah, Berlin; C. A. Mestres, Abu Dhabi

08:15 Standards in cardio-thoracic surgery training F. Smit, Bloemfontein

08:30 Penetrating cardiovascular injuries D. Reddy, Durban

08:45 Patterns of traumatic esophageal injuries and surgical management in West Africa. Mid-term results
M. Tettey, Accra

09:00 Preconditioning and perfusion techniques in patients with sickle cell hemoglobinopathy Z. Al Halees, Riyadh

10:15 - 11:45

Joint Session EACTS SBCCV PASCATS - Cardiac surgery in the emerging economies: The evolving management strategies

G109

Moderators: M. J. Antunes, Coimbra; W. J. Gomes, Sao Paulo

10:15 Outcomes of juvenile rheumatic mitral valve repair in endemic regions C. Yuko-Jowi, Nairobi

10:30 Long-term clinical results of mechanical valve replacement versus Ross operation in children and adolescents in Saudi Arabia Z. Al Halees, Riyadh

10:45 Transcatheter aortic valve implantation: Challenging novel management strategies in the emerging economies
tba

11:00 Surgical options for end-stage cardiomyopathies in Africa W. Koen, Johannesburg

11:15 Round-table - Sustainable cardiac programs in 2030: A dream or a reality? A concept for a north-south and south-south cooperation in cardiovascular surgery

08:15 - 09:45

Heart failure

E104+E105

Draft

09:00 - 12:00

Advance technique session on multiple arterial grafting

E106+E107

Moderators: D. Glineur, Ottawa; M. G. Lemma, Milan; G. Tavilla, Leiden

Learning objectives:

- *to widespread the use of arterial grafting*
- *to improve long-term result of CABG*

09:00 Complete arterial revascularization: In-Situ grafts or composite configuration? G. Tavilla, Leiden

09:15 Complete composite arterial grafting, is it safe? M. Lemma, Milan

09:30 Sequential arterial grafting, is it worth it? D. Glineur, Brussels

09:45 What is the best inflow for the radial? M. Lemma, Milan

10:00 Panel discussion

10:15 Break

10:30 What to do in case of moderate coronary stenosis and arterial grafting H. Nakajima, Saitama

10:45 In-Situ vs Composite, is there a difference in competition of flow? D. Glineur, Brussels

11:00 Which arterial graft for the right coronary artery is the best? J. Grau, Ridgewood

11:15 Grafting the right coronary artery, why is the right gastroepiploic artery not a standard? G. Tavilla, Leiden

11:30 Panel discussion

09:00 - 11:30

How to do it? with Live In A Box

Emerald Room

Moderators: E. Quintana, Barcelona; M. Scarci, Cambridge; V. Falk, Berlin

09:00 How to do a robotic thymectomy J. Maessen, Maastricht

09:15 How to resect a pancoast tumour E. Fadel, Le Plessis-Robinson

09:30 How to repair the tetralogy of Fallot B. Asfour, Sankt Augustin

10:00 How to do a Ross operation H. Sievers, Lübeck

10:15 How to do a hybrid arch replacement J. Bavaria, Philadelphia

10:30 How to do a Thoracoabdominal Aortic Aneurysm M. Jacobs, Maastricht

10:45 How to do a Maze IV E. Quintana, Barcelona

11:15 How to do and select patients for an aortic valve repair in bicuspid aortic valve M. Borger, Leipzig

Programme Thoracic Diseases

Saturday 3 October 2015

Malignant pleural mesothelioma. From biomolecular aspects to maximal invasive surgery : what thoracic surgeons should know
Diagnosis And Surgery
Outcome

Draft

Sunday 4 October 2015

Pneumonectomy controversies: What is the problem?

Management of oesophageal perforation

Management of acquired tracheal disorders: from stenosis to laceration

Monday 6 October 2015

Thoracic oncology I: Staging

Non oncology I

Thoracic oncology II: Perioperative management

TNM classification: 8th edition

Mediastinum

Robotic cardiothoracic surgery: The evolution

Tuesday 7 October 2015

Thoracic quick fire session

Thoracic oncology III: Postoperative follow up

Thoracic non oncology II

Session case report

Lung transplantation

Basic science and education

Guidelines

Chest wall

Sublobar resections: Controversies

Wednesday 8 October 2015

Video session

Wetlab - VATS lobectomy

Saturday 3 October 2015

Malignant pleural mesothelioma. From biomolecular aspects to maximal invasive surgery : what thoracic surgeons should know

Live surgery:

Surgical Procedures : Surgeons: D. Waller (Leicester); L. Spaggiari (Milan); W. Klepetko (Wien);

EPP Left and Right L. Spaggiari, W Klepetko

Extended Pleurectomy/Decortication D Waller

Decortication Palliation L Spaggiari

Moderators: Ralph Schmid

Session I : diagnosis and surgery

Moderators : Paul Van Schil (Antwerp)- Erino A. Rendina (Rome)

Lectures :

Diagnosis -Invasive diagnosis and staging : Marcin Zielinski (Zakopane, Poland)

Pathologist lecture : Gabriella Fontanini, Pisa (Italy

The role of biomarkers : Isabelle Opitz (Zurich)- ?

State of art, surgeon's view : David Rice (MDA, Houston)

State of art , oncologist's view : Sorensen JB,

Session II, Outcome

Moderators : Isabelle Opitz or Alec Patterson – Rudolf Hatz (Munich, D)

Outcomes of Surgery: EPP: Dienemann (Heidelberg,)

Pleurectomy and Hyperthermia: Marco Lucchi (Pisa);

Palliation : Tom Treasure (London);

The role of targeted therapy: J. van Meerbeeck

Surgical Complications, management: W. Klepetko (Wien)

Mesothelioma Registry: what's the lesson ? Tannapfel Andrea (Germany)

rials : Sjaak Burgers (Amsterdam, NL)

Sunday 4 October 2015

08:15 - 09:45

Pneumonectomy controversies: What is the problem?

E104+E105

Moderators: P. E. Van Schil, Edegem; M. Dusmet, London

08:15 **Surgical approach** P. B. Licht, Odense

08:30 **Neo-adjuvant therapy** G. Friedel, Gerlingen

08:45 **Stump closure** E. Fadel, Le Plessis-Robinson

09:00 **Complications after pneumonectomy** P. Goldstraw, London

09:15 **Perioperative management: anaesthesiologist's view** F. Guarracino, Pisa

10:15 - 11:45

Management of oesophageal perforations

E104+E105

Moderators: D. E. Wood, Seattle; P. B. Rajesh, Birmingham

10:15 **Primary repair** C. Wright, Boston

10:30 **Stent placement** R. Freeman, Indianapolis

10:45 **Alternative measures** M. Kalkat, Birmingham

11:00 **Delayed perforations** M. Jimenez, Salamanca

13:45 - 15:45

Management of acquired tracheal disorders: from stenosis to laceration

E104+E105

Moderators: D. J. Mathisen, Boston; E. A. Rendina, Rome

13:45 **Tracheal Stenosis**

F. Rea, Padua

14:00 **Idiopathic stenosis**

D. Mathisen, Boston

14:15 **Tracheoesophageal fistulas**

E. Fadel, Le Plessis-Robinson

14:30 **Tracheal lacerations**

F. Melfi, Pisa

Monday 5 October 2015

8:15 - 09:45

**Thoracic oncology I: Staging
E103**

Moderators: G. . A. Patterson, St Louis; F. M. Melfi, Pisa; M. Ibrahim, Rome

Learning objectives:

- *To understand the impact of histology and imaging characteristics in lung cancer staging*
- *To evaluate the Importance of nodal assessment*

08:15

Fluorodeoxyglucose uptake on positron emission tomography correlates with the International Association for the Study of Lung Cancer/the American Thoracic Society/European Respiratory Society histologic subtypes and prognosis of clinical stage IA lung adenocarcinoma

Y. Miyata, T. Mimura, Y. Tsutani, T. Mimae, T. Yoshiya, M. Ito, Y. Kai, A. Kagimoto; Hiroshima (Japan)

Discussant: E. Rendina, Rome

08:30

Prognostic impact of visceral pleural invasion and its degrees in non-small cell lung cancer: a population-based analysis

L. Zhao, J. Zha, K. Fei, C. Chen; Shanghai (China)

Discussant: R. Rami-Porta, Barcelona

08:45

Does video mediastinoscopy with frozen sections improve mediastinal staging during video-assisted thoracoscopic pulmonary resections?

A. Gonfiotti¹, S. Bongiolatti², D. Viggiano², S. Borgianni², R. Borrelli², G. Tancredi², L. Voltolini³; ¹Ponte Buggianese (Italy), ²Firenze (Italy), ³Siena (Italy)

Discussant: P. De Leyn, Leuven

09:00

Accuracy of sentinel node biopsy by 99mTc-phytate in patients with non-small cell lung carcinoma

R. Bagheri¹, R. Sadeghi², R. Afghani², V. R. Dabagh², S. Shafiei², D. Attaran²; ¹Mashad (Iran), ²Mashhad (Iran)

Discussant: M. Allen, Rochester

09:15

Prediction of pathologic factors in clinical T1 lung adenocarcinoma by tumour volume using three-dimensional computed tomography images.

K. Matsumoto, Y. Ogiwara, N. Yamasaki, T. Tsuchiya, T. Miyazaki, H. Hayashi, K. Ashizawa, T. Nagayasu; Nagasaki (Japan)

Discussant: K. Athanassiadi, Athens

09:30

Proposed new clinical criteria of multiple primary lung cancers based on prognosis

T. Matsunaga, K. Suzuki, K. Takamochi, S. Oh; Tokyo (Japan)

Discussant: G. Friedel, Gerlingen

08:15 - 09:45

**Non oncology I
E108**

Moderators: D. Waller, LEICESTER; D. Subotic, Belgrade; I. Cordos, Bucharest

Learning objectives:

- *To learn the management of spontaneous pneumothorax*
- *To understand the current surgical management of pleuro- pulmonary sepsis*

08:15

Does primary spontaneous pneumothorax really need surgical treatment?

R. Bilancia, A. Sharkey, A. Paik, I. Chahuan, R. Vaja, D. Waller; Leicester (United Kingdom)

Discussant: G. Cardillo, Rome

08:30 **Multidisciplinary approach of catamenial and endometriosis-related pneumothorax**

P. Ciriaco, A. Bandiera, A. Carretta, G. Melloni, G. Negri, M. Candiani, P. Zannini; Milan (Italy)

Discussant: M. Scarci, Cambridge

08:45 **Thoracoscopic pleural tent for spontaneous pneumothorax**

R. Kawachi, K. Tachibana, S. Karita, R. Tanaka, Y. Nagashima, H. Takei, H. Kondo; Tokyo (Japan)

Discussant: C. Zirafa, pisa

09:00 **Decortication of empyema thoracis in children: a large single-centre perspective**

M. Mohamed Mydin, S. Kiani, A. Hasan, M. Thomas, M. Brodlie, D. Spencer; Newcastle upon Tyne (United Kingdom)

Discussant: H. Ris, Lausanne

09:15 **Thoracoscopic management of early stages in empyema: Is this the golden standard?**

H. Elsayed¹, E. Fathy², A. Mostafa², H. El-Bawab², H. Diab², S. Soliman², A. El-Kerdany², A. El-Nori²; ¹CAIRO (Egypt), ²Cairo (Egypt)

Discussant: G. Shahin, Zwolle

09:30 **Robot-assisted thoracoscopic anatomical pulmonary resection for cavitary tuberculosis**

P. Yablonskii¹, G. Kudriashov², S. Nuraliev¹, I. Vasilev¹, A. Avetisyan¹, O. Sokolova¹, V. Zhuravlev¹; ¹Saint-Petersburg (Russian Federation), ²St. - Petersburg (Russian Federation)

Discussant: G. Kocher, Berne

10:15 - 11:45

Thoracic oncology II: Perioperative management

E103

Moderators: L. Spaggiari, Milan; G. J. Kocher, Berne

Learning objectives:

- To evaluate the significance of comorbidity in long-term lung cancer survival
- To evaluate the impact of different minimally invasive techniques in the operative management of lung cancer.

10:15

Marginal pulmonary function for lung cancer surgery is associated with poor short- and long-term outcomes

N. Ozeki, K. Kawaguchi, T. Okasaka, T. Fukui, K. Fukumoto, S. Nakamura, K. Yokoi; Nagoya (Japan)

Discussant: M. Jimenez, Salamanca

10:30

Fissureless video-assisted thoracoscopic lobectomy for all lung lobes: A better alternative to decrease the incidence of prolonged air leak?

D. Stamenovic¹, K. Bostanci², A. Messerschmidt¹, T. Jahn¹, T. Schneider¹; ¹Karlsruhe (Germany), ²Istanbul (Turkey)

Discussant: S. Stamenkovic, Newcastle upon Tyne

10:45

The evolution of intra-operative conversion in video-assisted thoracoscopic lobectomy

A. Vallance, P. Tcherveniakov, V. Tentzeris, C. Bogdan, N. Chaudhuri, R. Milton, E. Kefaloyannis; Leeds (United Kingdom)

11:00

The stapler technique could be appropriate procedure for dissection of inter-segmental plane in pulmonary segmentectomy in comparison with electrocautery -propensity score-matched analysis of postoperative lung function

T. Maeyashiki, K. Takamochi; Bunkyo-ku (Japan)

Discussant: L. Spaggiari, Milan

11:15

Analysis of lymph node impact on conversion of complete thoracoscopic lobectomy to open thoracotomy

Y. Li, Beijing (China)

Discussant: M. Dusmet, London

11:30 Robotic lobectomy in thoracic oncology: early experience and outcomes

V. Lacroix¹, Z. Mosala Nezhad¹, A. Poncelet², T. Pieters², D. Kahn², G. Elkhoury¹, P. Noirhomme¹; ¹Bruxelles (Belgium), ²Brussels (Belgium)

Discussant: O. Fanucchi, Pisa

10:15 - 11:45

Minimally invasive surgery for lung cancer: Up to date

E108

Moderators: P. B. Licht, Odense; K. S. Naunheim, St. Louis

Learning objectives:

- To review the advantages of the different VATS lobectomy techniques

10:15

VATS lobectomy, where do we stand?

P. B. Licht, Odense

10:33

Uniportal approach and awake VATS lobectomy

D. Gonzalez, Coruña

10:51

VATS lobectomy: Taking the plunge

K. Naunheim, St. Louis

11:09

Challenging procedures and complications

H. Decaluwe, Leuven

11:27

VATS vs open lobectomy

D. Mathisen, Boston

14:15 - 15:45

Meet the experts in robotic cardio-thoracic surgery

E103

Moderators: A. . P. Kappetein, Rotterdam; R. A. Schmid, Berne

Panel: J. Bonatti, Abu Dhabi; F. M. Melfi, Pisa; B. Park, New York; J. Dunning, Middlesbrough; L. W. Nifong, Greenville

Learning objectives:

- *to evaluate if the Robotic could facilitate and extend the adoption of minimally-invasive operation techniques*

- *economic stability*

14:15 **The hospital manager's point of view**

C. Milli, Pisa

14:30 **The company's point of view**

T. Bonciani, Aubonne

14:15 - 15:45

Mediastinum

E108

Moderators: D. E. Wood, Seattle; E. A. Rendina, Rome; P. Naftoux, Leuven

Learning objectives:

- *To learn the current status of laryngotracheal resection*
- *To understand innovative strategies for esophageal reconstruction*

14:15

Long term results of laryngotracheal resection for benign stenosis from a series of 108 consecutive patients

A. D'Andrilli, G. Maurizi, A. M. Ciccone, C. Andreetti, M. Ibrahim, C. Poggi, F. Venuta, E. Rendina; Rome (Italy)

Discussant: W. Klepetko, Vienna

14:30

Evaluation of the gastric sleeve after esophagectomy by laser-induced fluorescence angiography - a matched-pair analysis.

I. Karampinis, F. Sandra-Petrescu, K. Nowak, S. Post; Mannheim (Germany)

Discussant: S. Margaritora, Rome

14:45

Minimally invasive esophagectomy for esophageal squamous cell carcinoma: results of lymph nodes dissection

B. Ye, C. Zhong, Y. Yang, W. Fang, T. Mao, C. Ji, H. Chen, Z. Li; Shanghai (China)

Discussant: T. Lacin, Istanbul

15:00

Subcutaneous esophageal reconstruction after esophagectomy: A feasible alternative in high risk patients?

J. H. Chung¹, S. H. Lee¹, K. T. Kim¹, C. B. Ahn², K. H. Son²; ¹Seoul (Korea), ²Incheon (Korea)

Discussant: M. Kalkat, Birmingham

15:15

Local transfer of recombinant adenovirus-VEGF165 gene could accelerate the recovery of blood perfusion on the ischemic gastric fundus after devascularization in an esophagectomy related rat model

H. Wang, L. Tan, Y. Shen, M. Feng; Shanghai (China)

Discussant: D. Galetta, Milan

15:30

Correlation between preoperative anterior mediastinal tissue volume and anti-acetylcholine receptor antibody for patients with myasthenia gravis undergoing extended thymectomy

A. Takahagi, M. Omasa, T. Kondo, F. Chen, M. Sonobe, H. Date; Kyoto (Japan)

Discussant: M. Lucchi, Pisa

16:00 - 17:30

TNM classification: 8th edition

E103

Moderators: R. Rami-Porta, Barcelona; U. Pastorino, Milan

16:00

Lung cancer

R. Rami-Porta, Barcelona

16:15

Mesothelioma

D. Rice, Houston

16:30

Thymus

P. Van Schil, Edegem

16:45

Oesophagus

T. Rice, Cleveland

16:00 - 17:30

Thoracic quick fire session

E102

Moderators: M. Dusmet, London; R. A. Schmid, Berne; P. B. Rajesh, Birmingham; K. Athanassiadi, Athens
16:00

Crossing the bridge to video assisted thoracoscopic lobectomy - a novel training method

P. Tcherveniakov, C. Bogdan, N. Chaudhuri; Leeds (United Kingdom)

16:09

Back-table-operation and auto-lung transplantation for locally advanced lung cancer

Y. Karube¹, M. Chida², T. Inoue¹, M. Nishihira¹, O. Araki¹, S. Kobayashi¹, T. Sado¹; ¹Mibu, Shimotsuga (Japan), ²Mibu (Japan)

16:18

Incidence, severity and risk factors of atrial fibrillation after lung cancer surgery

Y. Muranishi, M. Sonobe, T. Menju, A. Aoyama, F. Chen, T. Sato, H. Date; Kyoto (Japan)

16:27

Survival and prognostic factors after pulmonary metastasectomy of colorectal cancers : influence of liver metastasis

S. Kim¹, H. K. Kim¹, J. H. Cho¹, K. Kim², J. Kim¹, Y. S. Choi¹, J. I. Zo¹, Y. M. Shim¹; ¹Seoul (Korea), ²Gyeonggi (Korea)

16:36

Prognosis of surgically resected lung adenocarcinoma patients with primary adenocarcinoma in other organs

E. Yi, H. Jang, S. Park, K. W. Shin, S. Cho, K. Kim, S. Jheon; Seongnam-si (Korea)

16:45 **1**

8F-fluorodeoxyglucose radio metabolic findings in surgically resected patients with pulmonary sarcomatoid carcinomas

C. Rapicetta¹, F. Lococo², A. Stefani³, A. Filice², T. Ricchetti², U. Morandi³, A. Franceschetto³, M. Paci²; ¹42121 (Italy), ²Reggio Emilia (Italy), ³Modena (Italy)

16:54

Pectus excavatum: Is it a cosmetic defect? - A physiological study

K. Mazhar, I. Cliff, N. Watson, C. Satur; Stoke on Trent (United Kingdom)

17:03

Does pulmonary endarterectomy have a role for surgical treatment of pulmonary hypertension caused by echinococcosis disease?

B. Yildizeli¹, N. Ermerak², S. Tas³, M. Yanartas³, T. Lacin², B. Sayan², H. Sunar³, S. Olgun Yildizeli²; ¹Istanbul/ Turkey (Turkey), ²Istanbul (Turkey), ³Kartal-Istanbul (Turkey)

17:12

Management of bleeding caused by vascular injury during complete thoracoscopic lobectomy

Y. Li, Beijing (China)

17:21

Cytoreductive surgery combined with intrapleural perfusion hyperthermic chemotherapy in lung adenocarcinoma with pleural seeding

E. Yi, H. Jang, S. Park, K. W. Shin, S. Cho, K. Kim, S. Jheon; Seongnam-si (Korea)

Tuesday 6 October 2015

08:15 - 09:45

Thoracic oncology III: Postoperative follow up

E103

Moderators: K. S. Naunheim, St. Louis; P. E. Van Schil, Edegem; A. M. Ciccone, Rome

Learning objectives:

- To understand alternative follow-up strategies for patients with lung cancer
- To evaluate the possibility of alternative strategies to surgery in pulmonary metastases

08:15

Long-term outcome in sixty three resected adrenocorticotrophic hormone-secreting lung carcinoids: a multicentric study

A. Imperatori¹, S. La Rosa¹, P. Granone², M. Papotti³, S. Uccella¹, R. Maragliano¹, E. Nardecchia¹, N. Rotolo¹; ¹Varese (Italy), ²Rome (Italy), ³Orbassano (Italy)

Discussant: G. Shahin, Zwolle

08:30

Postoperative follow-up strategy based on recurrence dynamics for non-small-cell lung cancer

K. Watanabe¹, M. Tsuboi², T. Maehara², H. Nakayama², M. Masuda²; ¹Kawasaki (Japan), ²Yokohama (Japan)

Discussant: R. Landreneau, Pittsburg

08:45

Adjuvant chemotherapy for stage IB non-small cell lung cancer based on blood vessel invasion

Y. Kudo, Y. Shimada, R. Amemiya, Y. Kato, M. Kakihana, N. Kajiwara, T. Ohira, N. Ikeda; Tokyo (Japan)

Discussant: G. Friedel, Gerlingen

09:00

Long-term results of percutaneous radiofrequency ablation of pulmonary metastases

V. Aprile, O. Fanucchi, S. Korasidis, P. Dini, F. Davini, F. Melfi, M. Ambroggi, A. Mussi; Pisa (Italy)

Discussant: P. Van Schil, Edegem

09:15

Chest Kinesio Taping® for pain control after lobectomy for lung cancer: initial results of a randomized study

A. Imperatori, A. Grande, S. Spampatti, M. Castiglioni, M. Cattoni, L. Gasperini, L. Terzaghi, N. Rotolo; Varese (Italy)

Discussant: P. Rajesh, Birmingham

09:30

A logistic regression model for predicting recurrence in stage I non-small cell lung cancer based on copy number variation

P. Tcherveniakov, A. Gusnanto, H. Wood, P. Rabbitts, R. Milton; Leeds (United Kingdom)

Discussant: M. Rodriguez, Salamanca

T

08:15 - 09:45	Thoracic non oncology II	E108
	Moderators: D. B. Petrov, Sofia; D. Waller, LEICESTER; S. Alnassar, 1909898	
	Learning objectives:	
	<ul style="list-style-type: none">• To understand the reasons for ICU readmission following pulmonary resection• To evaluate how to manage intra and postoperative challenges	
08:15	Intensive care unit (ICU) readmission after major lung resection: Prevalence, pattern, and mortality	
	<u>J. J. Jung</u> ¹ , T. H. Hong ² , J. H. Cho ² , H. K. Kim ² , Y. S. Choi ² , J. Kim ² , J. I. Zo ² , Y. M. Shim ² ; ¹ Changwon-si (Korea), ² Seoul (Korea)	
	<i>Discussant:</i> E. Fadel, Le Plessis-Robinson	
08:30	Management of thoracic trauma and analysis of risk factors for death	
	M. Beshay ¹ , <u>M. Abdel Bary</u> ² , F. Metzlufft ¹ , H. W. Kottkamp ¹ , D. Branscheid ¹ ; ¹ Bielefeld (Germany), ² Quena (Egypt)	
	<i>Discussant:</i> M. Fuentes Gago, San Sebastian	
08:45	Troubleshooting for bleeding during thoracoscopic anatomic pulmonary resection	
	<u>H. Igai</u> ¹ , M. Kamiyoshihara ² , N. Kawatani ² , K. Shimizu ² ; ¹ Maebashi-shi (Japan), ² Maebashi (Japan)	
	<i>Discussant:</i> D. Waller, LEICESTER	

- 09:00 **Do we need a new evidence of video-assisted thoracoscopic surgery and feasibility in benign pathologies?**
H. Elkhayat¹, S. Kaya², A. Goneim¹, M. Khairy¹; ¹Assiut (Egypt), ²izmir (Turkey)
Discussant: L. Molins, Barcelona
- 09:15 **Idiopathic ipsilateral pulmonary infarction after major lung resection**
E. Kefaloyannis¹, V. Kouritas², N. Chaudhuri¹; ¹Leeds (United Kingdom), ²7TF (United Kingdom)
Discussant: D. Petrov, Sofia
- 09:30 **A magnet built-on bronchoscopic suction for extraction of tracheobronchial headscarf pins**
H. Elsayed¹, S. Soliman², A. Mostafa², A. El-Nori², H. El-Bawab², A. El-Kerdany²; ¹CAIRO (Egypt), ²Cairo (Egypt)
Discussant: L. Luzzi, Siena

T

10:15 - 11:45 Session case report E103

Moderators: P. B. Rajesh, Birmingham; D. J. Mathisen, Boston; M. Casiraghi, Milano

Learning objectives:

- To discuss the challenges in treatment of unusual cases

- 10:15 **The use of dual Novalung as a bridge to lung transplantation in a patient with pulmonary hypertension**
J. Mayes¹, G. Niranjana², L. P. Ong², S. Clark³, J. Dark³; ¹Beckenham (United Kingdom), ²Newcastle (United Kingdom), ³Newcastle Upon Tyne (United Kingdom)
- 10:30 **Video-assisted thoracoscopic lobectomy for huge pulmonary abscess due to intralobar sequestration**
F. Montinaro¹, F. Battisti², M. Scatizzi¹, G. Giacon¹, L. Romoli¹, V. Silvestri¹, R. Fagnoli¹, G. Gorini²; ¹Prato (Italy), ²Florence (Italy)
- 10:45 **Withdrawal of lungs from uncontrolled donation after cardiac death: the lesson learned from the first case**
A. Palleschi¹, M. Nosotti¹, L. Rosso¹, D. Tosi¹, L. Santambrogio¹, B. Safaei Fakhr¹, G. Citerio², F. Valenza¹; ¹Milano (Italy), ²Monza (Italy)
- 11:00 **Esophageal perforation and aortic rupture following aspiration of a foreign body**
B. Sayan, T. Lacin, N. Ermerak, N. Yiyit, M. Yuksel; Istanbul (Turkey)
- 11:15 **Acute pulmonary artery obstruction as the primary manifestation of a rapidly growing intimal sarcoma in a 54-year old patient**
F. S. Westhofen, C. Kugler, T. Tsourlakis, M. Kubik, M. Silaschi, H. Reichenspurner, T. Deuse; Hamburg (Germany)
- 11:30 **Trans-pericardial closure of broncho-pleural fistula in a patient with dextrocardia via re-do sternotomy**
M. Salmasi, M. Chowdhry, A. Paik, A. Nakas; Leicester (United Kingdom)

T

10:15 - 11:45 Lung transplantation E108

Moderators: W. Klepetko, Vienna; E. Fadel, Le Plessis-Robinson; A. Bertani, Palermo

Learning objectives:

- To understand the current role of novel lung preservation strategies
- To understand the impact of postoperative complications following Lung transplantation

- 10:15 **Ex-vivo lung perfusion and computerised tomography scan to assess lungs recovered from uncontrolled donation after circulatory determination of death donors**

T. Egan¹, J. Blackwell¹, S. Gazda¹, D. Yuan¹, K. Birchard¹, J. Long¹, B. Haithcock¹, C. Thys²; ¹Chapel Hill (United States of America), ²Durham (United States of America)

Discussant: L. Voltolini, Siena

10:30 **Zonal organ allocation system and its impact on long-term outcomes after lung transplantation: a propensity matched analysis**

M. Zeriouh¹, A. Sabashnikov¹, N. Patil², A. Weymann³, P. Mohite⁴, S. Soresi³, A. Popov³, A. Simon³; ¹Cologne (Germany), ²London (United Kingdom), ³Harefield, London (United Kingdom), ⁴Harefield (United Kingdom)

Discussant: F. Rea, Padua

10:45 **Utilization of the organ care system for bilateral lung transplantation: Preliminary results of a comparative study**

M. Zeriouh¹, A. Sabashnikov¹, B. Zych², D. Garcia², P. Mohite², A. Popov², A. Simon²; ¹Cologne (Germany), ²Harefield, London (United Kingdom)

Discussant: A. Bertani, Palermo

11:00 **Is universal antifungal prophylaxis mandatory in adults after lung transplantation? A metaanalysis of observational studies.**

K. Pilarczyk, H. Carstens, J. Heckmann, H. Jakob, N. Pizanis, M. Kamler; Essen (Germany)

Discussant: W. Klepetko, Vienna

11:15 **Prolonged intensive therapy unit stay after bilateral lung transplantation- impact on functional, rejection & survival outcomes**

L. P. Ong, A. Sachdewa, E. Thompson, G. Parry, S. Clark; Newcastle Upon Tyne (United Kingdom)

Discussant: S. Taghavi, Vienna

T

14:15 - 15:45 Guidelines E103

Moderators: J. Janssen, Nijmegen; R. A. Schmid, Berne

14:15 **How to make clinical guidelines**

M. Sousa Uva, Lisboa

14:35 **The surgeon's view on the ERS Statement on Primary Spontaneous Pneumothorax**

G. Cardillo, Rome

14:53 **Pulmonologist' view on the ERS Statement on Primary Spontaneous Pneumothorax**

J. Janssen, Nijmegen

15:11 **EACTS Statement on pleural empyema**

M. Scarci, Cambridge

15:29 **How do we follow up lung cancer patients after surgery with curative intent?**

M. Taylor, Shrewsbury (United Kingdom)

T

14:15 - 15:45 Basic science and education E108

Moderators: H. J. Ankersmit, Vienna

Learning objectives:

- To understand the importance of thoracic training and certification for patient's outcome following lung cancer surgery
- To learn novel cellular and molecular biology strategies for wound healing and tissue repair

14:15 **The impact of certification of general thoracic surgeons on the mortality of surgery for lung cancer: A survey by the Japanese Association for Thoracic Surgery**

T. Nagayasu¹, S. Sato¹, N. Yamasaki¹, S. Endo², F. Tanaka³, H. Yokomise⁴, M. Okumura⁵; ¹Nagasaki (Japan), ²Shimotsuke (Japan), ³Kitakyushu (Japan), ⁴Takamatsu (Japan), ⁵Suita (Japan)

Discussant: P. Rajesh, Birmingham

14:30 **Development of a video-assisted thoracoscopic surgery lobectomy program in a single institution: results before and after completion of the learning curve**

A. Gonfiotti¹, S. Bongiolatti², S. Borgianni², R. Borrelli², G. Tancredi², D. Viggiano², L. Voltolini³; ¹Ponte Buggianese (Italy), ²Firenze (Italy), ³Siena (Italy)

Discussant: P. B. Licht, Odense

14:45 **Transduced autologous fibroblasts on an acellular dermis scaffold proliferate in host bronchial tissue and enhance bronchial anastomotic healing in a rodent model**

E. Roessner, F. Doyon, M. Vitacolonna, C. Tsagogiorgas, P. Hohenberger; Mannheim (Germany)

Discussant: F. Petrella, Busto Arsizio - Varese

15:00 **Dysregulation of the alternative renin-angiotensin system during lung ischemia-reperfusion injury**

J. Gielis¹, K. Kehoe², P. Van Schil¹, P. Cos², I. De Meester²; ¹Edegem (Belgium), ²Wilrijk (Belgium)

Discussant: I. Inci, Zurich

15:15 **Patch replacement of left hemidiaphragm in dogs by decellularized heterograft**

H. Davari¹, M. Rahim¹, N. Tanideh², M. Sani², A. Rasekhi², A. Monabati², O. Koochi Hosseinabadi², S. Gholami²; ¹Tehran (Iran), ²Shiraz (Iran)

Discussant: M. Versteegh, Leiden

15:30 **Schedule-dependent increased efficiency of pemetrexed-ionizing radiation combination therapy elicits a differential DNA damage response in lung cancer cells**

P. Dorn¹, C. Tièche¹, L. Froment¹, R. Peng¹, R. Schmid², T. Marti¹; ¹Bern (Switzerland), ²Berne (Switzerland)

T

16:00 - 17:30 Sublobar resections: Controversies E103

Moderators: G. . A. Patterson, St Louis; H. Porte, Lille

16:00 **Functional aspects: is it a real advantage? PRO**

A. Nakas, Leicester

16:15 **Functional aspects: is it a real advantage? CON**

F. Puma, Perugia

16:30 **Lesion Size and histology matter? PRO**

P. Van Schil, Edegem

16:45 **Lesion Size and histology matter? CON**

R. Rami-Porta, Barcelona

17:00 **Anatomic segmentectomy: feasibility PRO**

R. Landreneau, Pittsburg

17:15 **Anatomic segmentectomy: feasibility CON**

G. Stamatis, Essen

T

16:00 - 17:30 Chest wall E108

Moderators: H. K. Pilegaard, Aarhus; M. Yuksel, Istanbul; M. P. Tocco, Rome

Learning objectives:

- to evaluate the physiological impact of pectus excavatum and to repair
- to learn novel chest wall reconstructive strategies

- 16:00 **Growth development of patients with pectus excavatum**
J. Kim¹, H. J. Park²; ¹SEOUL (Korea), ²Uijeongbu (Korea)
Discussant: J. R. M. De Campos, Sao Paulo
- 16:15 **Cardiac function in adults following minimally invasive repair of pectus excavatum**
S. Udholm¹, H. K. Pilegaard², V. Hjortdal¹; ¹Aarhus N (Denmark), ²Aarhus (Denmark)
Discussant: R. Schmid, Berne
- 16:30 **Thirteen years' experience with the Nuss procedure in pectus excavatum - a single centre report**
B. Hokschi¹, R. Schmid²; ¹Bern (Switzerland), ²Berne (Switzerland)
Discussant: M. Infante, Rozzano (MI)
- 16:45 **Complete video-assisted thoracoscopic first rib resection in thoracic outlet syndrome**
J. Hwang, W. Jo, J. S. Shin, B. J. Min; Ansan (Korea)
- 17:00 **Chest wall stabilization and reconstruction: short and long-term results five years after the introduction of a new titanium plates system**
A. De Palma¹, F. Sollitto², D. Loizzi², F. Di Gennaro¹, M. Loizzi¹; ¹Bari (Italy), ²Foggia (Italy)
Discussant: J. Wihlm, Strasbourg
- 17:15 **Massive chest wall resection and reconstruction for malignant disease**
C. N. Foroulis¹, A. Kleontas², G. Tagarakis², C. Nana², I. Alexiou², V. Grosomanidis², P. Tossios², K. Anastasiadis²; ¹Kalamaria (Greece), ²Thessaloniki (Greece)
Discussant: L. Carbone, Rome

Wednesday 7 October 2015

09:00 - 10:30 Video session G109

Moderators: R. A. Schmid, Berne; P. B. Rajesh, Birmingham; P. Bertoglio, Pisa

Learning objectives:

- *To give the participants the opportunity to learn new techniques*

09:00 Tracheal laceration repaired through the rigid bronchoscope. A new technique.

K. Iliadis¹, D. Mallios², A. Krassas², G. Benakis¹, I. Makri¹, A. Agiannidou¹; ¹ATHENS (Greece), ²Athens (Greece)

09:15 Thoracoscopic repair of pulmonary artery injury

S. Yamashita, A. Iwasaki; Fukuoka (Japan)

09:30 A novel technique for reconstruction of anterior chest wall: bridging the clavicles using titanium plates

T. Lacin¹, L. Alpay¹, . Yalçinkaya², M. Yuksel¹; ¹Istanbul (Turkey), ²Istanbul (Turkey)

09:45 Middle lobe microlobectomy

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

10:00 Robotic diaphragmatic plication

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

10:15 Computer-Assisted Surgery: Intraoperative Navigation For Resection And Reconstruction Of A Large Thoracic Wall Tumor Involving The Vertebral Bodies"

J. Lutz, Bern

T

09:00 - 10:30 Wetlab - VATS lobectomy E108

Moderators: P. B. Licht, Odense; M. F. Jimenez, Salamanca

Domain of Congenital Heart Disease

Saturday 3 October 2015

Techno College I. - 3D technology

Sunday 4 October 2015

Update on hypoplastic left heart syndrome management

Update on Tetralogy of Fallot with pulmonary valve atresia and major aortopulmonary collateral arteries

Congenital - Meet the experts

Surgical film session

Monday 5 October 2015

Part I / A lifetime living with transposition of the great arteries

Part II / A lifetime living with transposition of the great arteries and left ventricular outflow tract obstruction

Congenital rapid response

Fontan circulation

Tuesday 6 October 2015

Tetralogy of Fallot

Valve Surgery

Infections & Chylothorax

Congenital miscellaneous

Wednesday 7 October 2015

AoV reconstruction & Senning

Saturday 3 October 2015

13:00 - 18:00 Techno College I. - 3D technology

Moderators: G.Stellin (Padova)K.Brockmeier (Cologne)

13:00 Anatomy

3D imaging of anatomy of CHD: How it can help? A. Cook (London)

13:20 Diagnostic

State of the art of 3D imaging – ECHO J. Marek (London)

State of the art of 3D imaging – Angio G.Krings (Utrecht)

State of the art of 3D/4D imaging - CT/MRI S. Dittrich (Erlangen)

Panel discussion

14:40 3D printing

Engineering and computer science: How they can help? T. Luth (Munich)

Existing industrial usage of rapid prototyping McLaren F1 team (London)

Existing medical usage of 3D printing in congenital heart surgery Glen van Arsdell (Toronto)

Panel discussion

16:00 Moderators: Ch. Schreiber (Munich) A.Hasan (Newcastle)

16:20 Mechanical support - Monitoring

Update on hemodynamic monitoring Da Cruz, Eduardo (Denver)

16:40 Mechanical support - Decision making

Is there a "sweet spot" - does timely decision making improve outcomes? Glen van Arsdell (Toronto)

17:00 ECMO update

How to minimize morbidity on ECMO D.Tibboel (Rotterdam)

New escape routes after failed ECMO J.Photiadis (Berlin)

What are the limits of mechanical support - Country based approach

Panel discussion

18:00

Sunday 4 October 2015

08:15 - 09:45 Update on hypoplastic left heart syndrome management o G106+G107

Moderators: B. Asfour, Sankt Augustin; E. Da Cruz, Aurora

08:15 Parents choice: termination of pregnancy and compassion care

R. Chaoui, Berlin

08:30 St. I

D. Barron, Birmingham

08:45 Hybrid - Bridge to Norwood/Bridge to Comprehensive st II

V. Tsang, London

09:00 Inter-stage mortality and morbidity

C. Pizarro, Wilmington

09:15 Beyond the second stage - Right ventricle dysfunction; Tricuspid valve regurgitation

T. Spray, Philadelphia

09:30 Panel discussion

10:15 - 11:45 Update on Tetralogy of Fallot with pulmonary valve atresia and major aortopulmonary collateral arteries o G106+G107

Moderators: A. Carotti, Rome; B. Davies, London

10:15 Diagnostis & Interventions

F. Berger, Berlin

10:35 Unifocalisation of pulmonary atresia's

R. Di Donato, Riyadh

10:55 Rehabilitation of pulmonary atresia's

C. Brizard, Melbourne

11:15 Long term outcomes and quality of life

P. Del Nido, Boston

11:30 Panel discussion

13:45 - 14:45 Congenital - Meet the experts o G106+G107

Moderators: P. Del Nido, Boston; C. Schreiber, Munich; M. Hazekamp, Leiden; W. Brawn, Birmingham

13:45 Case 1

C. Pizarro, Wilmington

14:00 Case 2

V. Hraska, Sankt Augustin

14:15 Case 3

V. Vida, Padua

14:30 Case 4

E. Belli, Le Plessis-Robinson

14:45 - 16:15	Surgical film session	o G106+G107
	Moderators: R. A. Cesnjevar, Erlangen; O. Ghez, London	

- 14:45 **Biventricular repair of hypoplastic left heart syndrome complex**
V. Hraska, Sankt Augustin
- 15:00 **Repair of complex transposition of the great arteries**
E. Belli, Le Plessis-Robinson
- 15:15 **Repair of truncus arteriosus**
M. Nosal, Bratislava
- 15:30 **Repair of aberrant aortic origin of coronaries**
M. Hazekamp, Leiden
- 15:45 **Repair of Taussig-Bing heart with interruption of aortic arch**
M. Kostolny, London
- 16:00 **Repair of interrupted aortic arch with aorto –pulmonary window**
A. Kadner, Berne

Monday 5 October 2015

08:15 - 09:45	Part I / A lifetime living with transposition of the great arteries	G106+G107
	Moderators: P. Del Nido, Boston	

08:15 **Morphology of simple and complex transposition of the great arteries**

M. Jongbloed, Leiden

08:30 **How to help surgeons**

S. Fratz, Munich

08:45 **Key points of surgical repair**

E. Belli, Le Plessis-Robinson

09:00 **Conotruncal defects - different gene expression in neonatal aortic tissue**

S. Sandrio, P. Schröder, A. Purbojo, A. Rüffer, S. Dittrich, R. Cesnjevar; Erlangen (Germany)

Discussant: F. Berger, Berlin

09:15 **Mentoring new surgeons: Can we avoid the learning curve?**

S. Mussa, N. Drury, J. Stickley, N. Khan, T. Jones, D. Barron, W. Brawn; Birmingham (United Kingdom)

Discussant: W. Brawn, Birmingham

09:30 **Caution for aortopulmonary collateral arteries in neonates and infants with transposition of the great arteries in current era**

M. Sugano¹, K. Imai¹, K. Kanno¹, K. Sakamoto¹, H. Ito², Y. Ide¹, M. Murata¹, M. Ishido¹; ¹Shizuoka (Japan), ²shizuoka city (Japan)

Discussant: K. Brockmeier, Koeln

C

10:15 - 11:45	Part II / A lifetime living with transposition of the great arteries and left ventricular outflow tract obstruction	G106+G107
	Moderators: M. Danton, Glasgow; T. L. Spray, Philadelphia	

10:15 **Key points of surgical repair**

V. Hraska, Sankt Augustin (Germany)

10:30 **Long term outcomes and quality of life**

M. Hazekamp, Leiden

10:45 **Guidelines on transposition of the great arteries**

G. Sarris, Athens

11:00 **Excellent long-term outcome after correction of transposition of the great arteries associated with ventricular septal defect and left ventricular outflow tract obstruction: proper selection of the surgical strategy is crucial**

B. Bierbach¹, P. Suchowerskyj², H. Blaschczok², S. Schroth², M. Schneider², B. Asfour², V. Hraska²; ¹Altenholz (Germany), ²Sankt Augustin (Germany)

Discussant: P. Del Nido, Boston

11:15 **The functional status of neo-aortic valve and left ventricular outlet tract after arterial switch operation for transposition of great arteries with left ventricular outlet tract obstruction**

Y. Chang, S. J. Li; Beijing (China)

Discussant: F. Lacour-Gayet, London

11:30 **Reoperation for right ventricular outflow tract obstruction after arterial switch operation for transposition of the great arteries and aortic arch obstruction**

R. Bokenkamp¹, E. Aguilar¹, R. Palen, vd¹, V. Sojak¹, E. Bruggemans¹, J. Hruda², I. Kuipers², M. Hazekamp¹; ¹Leiden (Netherlands), ²Amsterdam (Netherlands)

Discussant: R. Mair, Linz

C

14:15 - Congenital rapid response **E102**
15:45

Moderators: M. Kostolny, London; J. Fragata, Lisbon; R. Prêtre, Lausanne

14:15 Results of conversion from former classical Fontan to total cavopulmonary connection: A two centre, German and Japanese experience

H. Seki¹, F. Bakhtiary¹, M. Vollroth¹, M. Kostelka¹, M. Ando², Y. Takahashi²; ¹Leipzig (Germany), ²Fuchu (Japan)

14:24 A simple surgical technique to prevent atrial reentrant tachycardia in surgery for congenital heart disease

A. Hosseinpour, A. Adsuar-Gómez, A. González-Calle, A. Pedrote, E. Arana-Rueda, L. García-Riesco, J. M. Borrego-Domínguez, A. Ordóñez-Fernández; Seville (Spain)

14:33 Comparative evaluation of a novel imaging technique: four-dimensional flow magnetic resonance imaging and streamline visualization for flow quantification across the atrioventricular valve in patients with functional univentricular heart after Fontan's surgery versus healthy controls – A pilot study

H. She¹, J. Westenberg², R. Van Der Geest², A. Roest²; ¹Hong Kong (Hong Kong), ²Leiden (Netherlands)

14:42 Granulocyte colony stimulating factor (G-CSF) significantly decreases density of Caspase-3, an essential component of apoptotic injury, in a model of ischemic neonatal brain injury

P. Pastuszko¹, J. Kubin², D. Wilson², A. Pastuszko²; ¹Kansas City (United States of America), ²Philadelphia (United States of America)

14:51 Three years clinical outcome of perventricular off-pump versus conventional ventricular septal defects closure: a randomized comparison

A. Omelchenko, G. Zaitsev, Y. Gorbatykh, A. Bogachev-Prokopiev, A. Voitov; Novosibirsk (Russian Federation)

15:00 Long-term results of novel modification to the lateral tunnel Fontan procedure for the prophylaxis of intra-atrial re-entrant tachycardia

H. Lim, J. R. Lee, Y. J. Kim; Seoul (Korea)

15:09 Cylinder reconstruction of tricuspid valve in children using decellularized equine pericardium

O. Fedevych, Y. Mykychak, O. Boiko, R. Tammo, I. Yemets; Kyiv (Ukraine)

15:18 A staged decompression of right ventricle allows anatomic and physiologic growth of right-sided heart and subsequent biventricular repair in patients with pulmonary atresia and intact ventricular septum

Y. Kotani, Y. Fujii, T. Eitoku, Y. Kuroko, S. Arai, S. Kasahara, S. Sano; Okayama (Japan)

15:27 Forty-year experience with surgical repair of congenital mitral valve stenosis

M. Carrozzini¹, M. Padalino², V. Vida¹, C. Rasola², M. Comisso², A. C. Frigo², O. Milanesi², G. Stellin²; ¹Padua (Italy), ²Padova (Italy)

15:36 Biventricular repair of double outlet right ventricle with non-committed ventricular septal defect

K. H. Hsu, C. Chang, S. Huang, Y. Chen, I. Chiu; Taipei (Taiwan)

C

16:00 - Fontan circulation **G106+G107**
17:30

Moderators: C. Salih, London; L. Galletti, Bergamo

- 16:00 **Risk stratification of patients with single ventricle physiology by late gadolinium enhancement cardiac magnetic resonance imaging**
T. Goto, S. Ishigami, D. Ousaka, S. Kasahara, S. Sano, H. Oh; Okayama (Japan)
Discussant: G. Van Arsdell, Toronto
- 16:15 **Clinical outcome following total cavopulmonary connection -A twenty-year single centre experience**
M. Ono, R. Lange, A. Hager, J. Cleuziou, J. Kasnar-Samprec, M. Burri, C. Schreiber, J. Hörer; Munich (Germany)
Discussant: K. Miyaji, Sagamihara
- 16:30 **Modification of hemi-Fontan operation for patients with functional single ventricle and anomalous pulmonary venous connection to the superior vena cava: Midterm results**
H. Ito¹, M. Murata², Y. Ide², M. Sugano², K. Kanno², K. Imai², K. Sakamoto²; ¹shizuoka city (Japan), ²Shizuoka (Japan)
Discussant: A. Amodeo, Rome
- 16:45 **Impact of age at bidirectional cavopulmonary anastomosis on pulmonary artery size and haemodynamics after non-fenestrated Fontan operation**
S. Shiraishi¹, T. Nakano², K. Hinokiyama², S. Oda², S. Fujita², J. Ikarashi², H. Kado²; ¹Niigata city (Japan), ²Fukuoka (Japan)
Discussant: L. Macé, Marseille
- 17:00 **The advantage of Fontan conversion before the occurrence of late Fontan complication**
A. Higashida, K. Kagisaki, T. Hoashi, K. Morimoto, T. Yagihara, H. Ichikawa; Suita (Japan)
Discussant: Z. Al Halees, Riyadh
- 17:15 **Impaired pulmonary function is an additional potential mechanisms for the reduction of functional capacity in clinically stable Fontan patients**
A. Turquetto, L. F. Caneo, D. Agostinho, M. I. Lopes, P. Trevizam, F. Fernandes, P. Oliveira, M. Jatene; Sao Paulo (Brazil)
Discussant: A. Bogers, Rotterdam

08:15 - 09:45	Tetralogy of Fallot	o G106+G107
Moderators: M. Helvind, Copenhagen; C. Schreiber, Munich		

- 08:15 **The fate of tricuspid regurgitation in the patients undergoing pulmonary valve replacement after repair of tetralogy of Fallot**
Y. R. Shin, Y. Park, H. J. Shin, H. K. Park; Seoul (Korea)
Discussant: A. Giamberti, Milan
- 08:30 **Indications and results of systemic to pulmonary shunts – outcomes of 2145 consecutive patients from a national database**
D. Dorobantu¹, R. Pandey¹, M. Sharabiani², A. Mahani³, G. Angelini¹, R. Martin¹, S. Stoica¹; ¹Bristol (United Kingdom), ²London (United Kingdom), ³Washington (United States of America)
Discussant: I. Mattila, Helsinki
- 08:45 **Factors affecting death and progression towards next stage following modified Blalock-Taussig shunt in neonates**
B. Alsoufi, M. Mori, M. Clabby, K. Kanter, B. Kogon; Atlanta (United States of America)
Discussant: K. Francois, Gent
- 09:00 **Multistage pulmonary artery rehabilitation for pulmonary atresia/ventricular septal defect with hypoplastic pulmonary artery**
K. Ma, Q. Chen, S. Li, Z. Hua, K. Yang, J. Yan, X. Wang, H. Gao; Beijing (China)
Discussant: S. Sano, Okayama
- 09:15 **Factors associated with progression of right ventricular enlargement after repair of tetralogy of Fallot based on serial cardiac magnetic resonance imaging**
Y. R. Shin, H. J. Shin, Y. Park, H. K. Park; Seoul (Korea)
Discussant: B. Mulder, Amsterdam
- 09:30 **Predictors for ventricular tachyarrhythmia late after intracardiac repair for tetralogy of Fallot**
S. Shiraishi, Niigata city (Japan)
Discussant: R. Gebauer, Prague

C

10:15 - 11:45	Valve Surgery	o G106+G107
Moderators: D. Cameron, Baltimore; M. Pozzi, Bron (Lyon)		

- 10:15 **Valve-sparing aortic root replacement in adult patients previously operated for congenital heart defects: an initial experience**
G. Baliulis¹, J. Ropponen², T. Salmon¹, M. Kaarne¹; ¹Southampton (United Kingdom), ²Helsinki (Finland)
Discussant: D. Cameron, Baltimore
- 10:30 **Valve sparing root replacement in children**
J. Kluin¹, D. Koolbergen², V. Sojak³, M. Hazekamp³; ¹Utrecht (Netherlands), ²Amsterdam (Netherlands), ³Leiden (Netherlands)
Discussant: D. Barron, Birmingham
- 10:45 **Twenty years' experience with the Ross-Konno procedure**
A. Schneider, R. Bökenkamp, M. Hazekamp; Leiden (Netherlands)
Discussant: B. Meyns, Leuven
- 11:00 **Ross upgrade: making virtue out of necessity?**

F. Gandolfo¹, F. De Rita², B. Murtuza², A. McBrien², D. Crossland², J. O'Sullivan², H. Hasan², M. Griselli²; ¹Rome (Italy), ²Newcastle-Upon-Tyne (United Kingdom)

Discussant: C. Pizarro, Wilmington

11:15 **Decellularized, fresh homografts for pulmonary valve replacement: A decade of clinical experience**

A. Horke, S. Sarikouch, I. Tudorache, P. Beerbaum, M. Westhoff-Bleck, D. Boethig, A. Haverich, S. Cebotari; Hannover (Germany)

Discussant: V. Ilyin, Moscow

11:30 **Follow up after tricuspid valve surgery in patients with systemic right ventricles**

D. Koolbergen¹, Y. Ahmed², B. Bouma¹, R. Scherptong², H. Vliegen², E. Holman², B. Mulder¹, M. Hazekamp²; ¹Amsterdam (Netherlands), ²Leiden (Netherlands)

Discussant: T. Tlaskal, Prague

C

14:15 - 15:45 Infections & Chylothorax o G106+G107

Moderators: B. Maruszewski, Warsaw; V. Tsang, London

14:15 **Preoperative and postoperative screening for infection**

E. Da Cruz, Aurora

14:35 **How to manage bacterial endocarditis in native valve and prosthetic materials: Guidelines for endocarditis prophylaxis**

R. Heying, Leuven

14:55 **How to manage mediastinitis**

R. Prêtre, Lausanne

15:15 **Chylothorax - treatment options**

T. Spray, Philadelphia

C

16:00 - 17:30 Congenital miscellaneous o G106+G107

Moderators: S. Cicek, Istanbul; T. Ebels, Groningen

16:00 **Expectations and limitations after bilateral pulmonary artery banding**

T. Sakurai¹, H. Sakurai², K. Yamana², T. Nonaka², R. Otsuka², T. Osawa²; ¹Nagoya (Japan), ²8510 (Japan)

Discussant: J. Hörer, Munich

16:15 **Risk analysis of surgery for low-body-weight neonate and infant with functional single ventricle**

K. Imai, M. Murata, Y. Ide, M. Sugano, H. Ito, K. Kanno, M. Ishido, K. Sakamoto; Shizuoka (Japan)

Discussant: G. Gargiulo, Bologna

16:30 **Era effect on survival following paediatric heart transplantation**

B. Alsoufi, S. Deshpande, W. Mahle, B. Kogon, K. Kanter; Atlanta (United States of America)

Discussant: M. Huebler, Zurich

16:45 **Coronary artery anomalies in general population: systematic review of 450,116 patients.**

G. Liguori, L. Barros, J. Penha, L. Miana, L. F. Caneo, C. Tanamati, V. Aiello, M. Jatene; São Paulo (Brazil)

Discussant: H. Vliegen, Leiden

17:00 **Surgical experience in the rehabilitation and re-implantation of disconnected pulmonary arteries and its effectiveness in restoring pulmonary haemodynamics and function**

A. Al-Khaldi, Riyadh (Saudi Arabia)

Discussant: C. Brizard, Melbourne

17:15 **Mid-term results of a selective strategy of anatomic or physiological repair in congenitally corrected transposition of the great arteries: there remains a role for physiological repair in the current era**

D. Fajardo¹, B. Davies¹, B. Mimic², J. Kirolos², V. Tsang¹, M. Kostolny¹; ¹London (United Kingdom), ²LONDON (United Kingdom)

Discussant: F. Haas, Utrecht

Wednesday 7 October 2015

09:00 - 10:30	AoV reconstruction & Senning	E103
	Moderators: V. Hraska, Sankt Augustin; D. Barron, Birmingham; M. Hazekamp, Leiden; C. Pizarro, Wilmington	

Domain of Vascular Disease

Sunday 4 October 2015

Basics in proximal thoracic aortic surgery Session 1
Basics in proximal thoracic aortic surgery: Session 2
Outcome and follow up after major thoracic aortic surgery
Thoraco-Abdominal aneurysms revisited

Monday 5 October 2015

Arch involvement in acute aortic dissection: A surgical challenge
Uncertainties in the treatment of chronic dissection
A broad view on acute dissection
Innovation and new strategies in thoracic aortic surgery - Rapid Response
A 4D view of the aortic root

Tuesday 6 October 2015

Inflammatory and infectious aortic disease: A difficult environment
Arch repair

A contemporary approach to the aortic valve and aortic root

Wednesday 7 October 2015

Learn from the experts how to do a remodeling or a reimplantation procedure

08:15 - 09:45 Basics in proximal thoracic aortic surgery Session 1 G102+G103

Moderators: T. Modine, LILLE; L. Botta, Milan; M. Karck, Heidelberg

Learning objectives:

- To determine the indication and timing of a proper surgical approach, to choose the optimal technique for a given patient.

08:15 A comparison between US and European Guidelines

M. Grabenwöger, Vienna

08:30 Beyond diameter, the role of age and genetics to reach a timely indication

E. Arbustini, Pavia

08:45 Natural history of 40-50mm root/ascending aortic aneurysms in the current era of dedicated thoracic aortic clinics

F. Dagenais, M. Gagne-Loranger, E. Dumont, S. Mohammadi, P. Voisine; Quebec (Canada)

Discussant: F. Kari, Freiburg

09:00 Guidelines-driven indications for aorthopathy in bicuspid syndrome

T. Sundt, Boston

09:15 Is an individualized approach to bicuspid aorthopathy possible?

H. Schäfers, Homburg/Saar

09:30 New Integrated surgical classification (ARO) to guide bicuspid aortic valve repair

M. Laflamme¹, O. Nawaytou², M. Pagé², S. Mastrobuoni², J. Vanoverschelde², L. De Kerchove², G. El Khoury²; ¹Montreal (Canada), ²Brussels (Belgium)

Discussant: A. Della Corte, Naples

10:15 - 11:45 Basics in proximal thoracic aortic surgery: Session 2 G102+G103

Moderators: W. J. Morshuis, Nieuwegein; F. Emrich, Leipzig; A. Oo, Liverpool

10:15 Extent of ascending and arch resection in connective tissue diseases

M. Grimm, Innsbruck

10:30 Aortic elongation as a risk factor for type A aortic dissection

T. Krüger, O. Forkavets, K. Veseli, H. Lausberg, L. Vöhringer, W. Schneider, C. Schlensak; Tübingen (Germany)

Discussant: M. Czerny, Freiburg

10:45 Management of the aortic root in Type A dissection: when repair, when replace

D. Pacini, Bologna

11:00 Sparing the aortic root in acute aortic dissection type-A: risk reduction or gross negligence?

S. Peterss¹, J. Dumfarth², N. Bonaros³, J. Rizzo⁴, H. Fang⁵, B. Ziganshin⁵, M. Grimm³, J. Elefteriades⁵; ¹Munich (Germany), ²Leipzig (Germany), ³Innsbruck (Austria), ⁴Stony Brook (United States of America), ⁵New Haven (United States of America)

Discussant: E. Beckmann, Hannover

11:15 Is there a place for TEVAR in the ascending aorta?

A. Khoynezhad, Los Angeles

11:30 The results of the aortic arch aneurysm requiring zone 0 landing using endovascular repair

T. Kudo¹, Y. Sawa², K. Toda¹, T. Ueno¹, K. Masada¹; ¹Suita (Japan), ²Osaka (Japan)

13:45 - 14:45	Outcome and follow up after major thoracic aortic surgery	G102+G103
	Moderators: J. Pirk, Prague; J. Bachet, NOGENT sur MARNE; B. Rylski, Freiburg	
	Learning objectives: <ul style="list-style-type: none">• <i>To evaluate early and late results after major aortic surgery and to establish optimal follow-up protocols</i>	

- 13:45 **Surveillance protocol after surgery for type A dissection**
C. Hagl, Munich
- 13:55 **Outcomes of long-term follow-up of type A aortic dissection (the thoracic aortic dissection study) a reflection of the clinical-effectiveness of unit radiological follow-up & cost**
L. P. Ong¹, L. Wang¹, T. Y. Wang¹, S. Large²; ¹Newcastle Upon Tyne (United Kingdom), ²Elsworth (United Kingdom)
Discussant: S. Trimarchi, San Donato
- 14:05 **Predictors of outcome in uncomplicated type B dissection: the role of imaging**
R. Clough, London
- 14:15 **Long-term results of endovascular treatment of blunt traumatic aortic injury**
J. Kokotsakis, Athens
- 14:25 **Outcomes of thoracic endovascular aortic repair for acute traumatic rupture; rational and implications in establishing specific imaging guidelines for follow-up**
F. Dagenais, M. Gagne-Loranger, E. Dumont, P. Voisine; Quebec (Canada)
Discussant: T. Kuratani, Osaka

14:45 - 15:45	Thoraco-Abdominal aneurysms revisited	G102+G103
	Moderators: M. A. A. M. Schepens, Brugge; T. Sioris, Tampere; F. Kari, Freiburg	
	Learning objectives: <ul style="list-style-type: none">• <i>Understanding the risk of this peculiar pathology in order to prevent potential complications. To learn how reach the proper indication for treatment and tailor the surgical or endovascular approach for each single patient</i>	

- 14:45 **Understanding the collateral network and its clinical implications**
C. D. Etz, Leipzig
- 14:55 **Organ protection for thoraco-abdominal replacement**
R. Chiesa, Milan
- 15:05 **Validating collateral network near-infrared spectroscopy (cnNIRS) for real-time monitoring of spinal cord oxygenation**
K. Von Aspern, J. Haunschild, A. Hoyer, F. Bakhtiary, M. Misfeld, F. Mohr, C. D. Etz; Leipzig (Germany)
Discussant: B. Zipfel, Berlin
- 15:15 **Hybrid repair. Absolute indication, contraindication and unsolved issues**
K. Tsagakis, Essen
- 15:25 **Open surgical treatment: when it is still indicated?**
M. A. A. M. Schepens, Brugge
- 15:35 **Total endovascular repair. It will be the standard of care?**
P. Kasprzak, Regensburg

Monday 5 October 2015

08:15 - 09:45 Arch involvement in acute aortic dissection: A surgical challenge G102+G103

Moderators: R. De Paulis, Rome; N. Desai, Philadelphia; J. Dumfarth, Innsbruck

Learning objectives:

- *To understand the best approach in emergency surgery for various type of acute dissection. In which condition should we prefer a more conservative approach, and when is strongly indicated to be more aggressive?*

08:15 Acute type A: Pro arch repair

H. Jakob, Essen

08:20 Acute type A: Con arch repair

L. Svensson, Cleveland

08:25 Discussion

08:35 Regional and directional compliance and failure stress of the healthy aorta – a porcine model ex vivo study

T. Krüger, K. Veseli, H. Lausberg, L. Vöhringer, W. Schneider, C. Schlensak; Tübingen (Germany)

Discussant: A. Juraszek, Warsaw

08:50 Systolic flow displacement using three-dimensional cardiac magnetic resonance imaging in an experimental model of ascending aortic aneurysm: Are we underestimating rheology?

A. Ayaon Albarran¹, R. Fernández-Jimenez¹, J. Silva², J. Aguero Ramón-Llin¹, J. Sanchez Gonzalez¹, F. J. Reguillo¹, L. C. Maroto Castellanos¹, B. Ibanez¹; ¹Madrid (Spain), ²Oviedo (Spain)

Discussant: K. Kallenbach, Heidelberg

09:05 Temperature management: as cold as possible

J. Eleftheriades, New Haven

09:10 Temperature management: as warm as possible

A. Moritz, Frankfurt

09:15 Discussion

09:25 Should right subclavian artery cannulation in type A aortic dissection with dissected innominate artery be prohibited?

B. Ryłski¹, F. Kari¹, F. Beyersdorf¹, M. Siepe¹, H. Adachi², A. Yamaguchi², R. Itagaki², N. Kimura²; ¹Freiburg (Germany), ²Saitama (Japan)

Discussant: A. Lenos, Bad Neustadt

09:40 EACTS Position paper: Frozen elephant trunk

M. Czerny, Zurich

10:15 - 11:45 Uncertainties in the treatment of chronic dissection G102+G103

Moderators: M. Czerny, Freiburg; A. Pochettino, Rochester; J. Holfeld, Innsbruck

10:15 Optimal treatment of type B dissection in connective tissue disorder patient

M. Jacobs, Maastricht

10:25 Open surgery of chronic aortic dissection: Examination of 371 elective cases

T. Fujikawa, Kawasaki city (Japan)

Discussant: G. Esposito, Bergamo

- 10:40 **Chronic dissection with visceral arteries originating from different lumens. What is the best strategy? Surgical**
P. Urbanski, Bad Neustadt
- 10:45 **Chronic dissection with visceral arteries originating from different lumens. What is the best strategy? Endovascular**
E. Roselli, Cleveland
- 10:50 **Discussion**
- 11:00 **Novel and simple exposure for extended descending and thoracoabdominal aortic replacement: straight incision with rib-cross thoracotomy.**
K. Minatoya, H. Sasaki, H. Tanaka, Y. Seike, T. Itonaga, T. Oda, Y. Inoue, J. Kobayashi; Osaka (Japan)
- 11:15 **Is frozen elephant trunk always indicated in type A chronic dissection?**
R. Di Bartolomeo, Bologna
- 11:25 **Whole body perfusion in patients undergoing frozen elephant trunk for type A acute aortic dissection: early experience**
G. Esposito¹, G. Cappabianca², S. Bichi¹, A. Cricco¹, C. Roscitano¹, G. Albano¹, M. Parrinello¹, C. Beghi²; ¹Bergamo (Italy), ²Varese (Italy)
Discussant: P. Tozzi, Lausanne
- 14:15 - 15:45 A broad view on acute dissection G102+G103**
Moderators: D. Pacini, Bologna; J. Pepper, London; S. V. Folkmann, Vienna
Learning objectives:
• For a better understanding of peculiar anatomical situations following an acute aortic dissection
- 14:15 **Acute type non-A non-B: Pro arch repair**
P. Urbanski, Bad Neustadt
- 14:20 **Acute type non-A non-B: Con arch repair**
M. Czerny, Zurich
- 14:25 **Discussion**
- 14:30 **Surgical outcomes for type A acute aortic dissection with aggressive primary entry resection**
Y. Inoue, K. Minatoya, H. Sasaki, H. Tanaka, Y. Seike, T. Itonaga, T. Oda, J. Kobayashi; Osaka (Japan)
Discussant: R. Haaverstad, Bergen
- 14:45 **Fifteen years of surgery for acute type A aortic dissection in moderate systemic hypothermia**
A. Zierer¹, A. El-Sayed Ahmad¹, L. Rings¹, N. Papadopoulos¹, A. Moritz², A. Diegeler³, P. Urbanski⁴; ¹Frankfurt am Main (Germany), ²Frankfurt (Germany), ³Bad Neustadt / Saale (Germany), ⁴Bad Neustadt (Germany)
Discussant: F. Santini, Genoa
- 15:00 **Risk analysis of contemporary aortic arch repair using prefabricated branched grafts**
A. Martens, E. Beckmann, T. Kaufeld, F. Fleissner, J. Umminger, N. Koigeldiyev, A. Haverich, M. Shrestha; Hannover (Germany)
Discussant: K. Tsagakis, Essen
- 15:15 **Blood flow analysis of aortic arch using computational fluid dynamics**
S. Numata¹, K. Itatani², K. Kanda¹, K. Doi¹, S. Yamazaki¹, H. Yaku¹; ¹Kyoto (Japan), ²Sagamihara (Japan)

Discussant: L. P. Weltert, Rome

15:30 **Acute type A dissection in octogenarians: Does emergency surgery impact long-term survival?**

J. Dumfarth¹, S. Peterss², M. Luehr¹, C. D. Etz¹, B. Ziganshin³, M. Grimm⁴, J. Elefteriades³, F. Mohr¹; ¹Leipzig (Germany), ²Munich (Germany), ³New Haven (United States of America), ⁴Innsbruck (Austria)

Discussant: B. Torfason, Reykjavik

V

16:00 - 17:30 A 4D view of the aortic root G102+G103

Moderators: W. Harringer, Braunschweig; D. Aicher, Homburg/Saar; S. Salizzoni, Torino

Learning objectives:

- *Understanding the aortic root function for an individualized approach in different anatomical and clinical presentation*

16:00 **Aortic root haemodynamics following David procedure: Numerical analysis of three-dimensional haemodynamics**

D. Berdajs¹, M. Selim², Z. Forro³, M. Burki², L. Von Segesser²; ¹Toronto (Canada), ²Lausanne (Switzerland), ³Zurich (Switzerland)

Discussant: R. Almeida, Cascavel

16:15 **Surgical management of aortic root in type A acute aortic dissection: a propensity-score analysis**

S. Castrovinci, D. Pacini, P. Berretta, M. Cefarelli, G. Murana, L. Di Marco, M. Di Eusanio, R. Di Bartolomeo; Bologna (Italy)

Discussant: P. Oberwalder, Graz

16:30 **Dilatation of the proximal aorta does not progress after an isolated aortic valve replacement for bicuspid aortic valve stenosis: magnetic resonance imaging follow-up study**

E. Girdauskas¹, M. Rouman¹, K. Disha¹, M. Secknus¹, G. Dubslaff², B. Fey², M. Borger³, T. Kuntze¹; ¹Bad Berka (Germany), ²Bad Berka (Germany), ³Leipzig (Germany)

Discussant: D. Maselli, Catanzaro

16:45 **Acute aortic dissection involving the root: Early and long-term results after curative proximal repair**

P. Urbanski, A. Lenos, V. Irimie, P. Bougioukakis, M. Zacher, A. Diegeler; Bad Neustadt (Germany)

Discussant: E. Quintana, Barcelona

17:00 **Impact of positional relationship of commissures on cusp function after valve sparing root replacement for regurgitant bicuspid aortic valve**

S. Miyahara, Y. Nomura, A. Kitamura, S. Sato, H. Takahashi, T. Inoue, M. Matsumori, Y. Okita; Kobe (Japan)

Discussant: A. Mangini, Milano

17:15 **Aortic root surgery. Do high volume, specialist centres improve outcomes?**

R. Bilkhu, G. Soppa, J. Smelt, P. Youssefi, A. Child, M. Edsell, J. Van Besouw, M. Jahangiri; London (United Kingdom)

Discussant: J. Holfeld, Innsbruck

Tuesday 6 October 2015

08:15 - 09:45 Inflammatory and infectious aortic disease: A difficult environment n G102+G103

Moderators: R. Benetis, Kaunas; C. A. Mestres, Abu Dhabi; A. Martens, Hannover

Learning objectives:

- To appreciate the various peculiar aspect of aortic inflammatory diseases and learn the process of diagnosis leading to the correct surgical approach

08:15 Inflammatory aortic diseases. Clinical and histopathological features

J. Maleszewski, Rochester

08:30 What is the best tool to reach a diagnosis? The role of CT scans and PET

B. Saleem, Nuernberg

08:45 Medical therapy and proper surgical timing

Y. Okita, Kobe

09:00 Giant cell aortitis: clinical presentation and surgical outcomes in forty consecutive patients

F. Dagenais, M. Gagne-Loranger, E. Dumont, D. Kalavrouziotis, P. Voisine, S. Mohammadi; Quebec (Canada)

Discussant: A. Parolari, Milano

09:15 How to deal with an infected vascular prosthesis

T. Carrel, Berne

09:30 Surgical management of graft infections of the thoracic aorta

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

Discussant: M. Pichlmaier, Munich

V

08:15 - 09:45 Innovation and new strategies in thoracic aortic surgery - Rapid Response E102

Moderators: C. D. Etz, Leipzig; M. Bashir, Liverpool; T. Kaufeld, Hannover

08:15 Radiopaque marking of the virtual aortic annulus during surgical aortic valve reconstruction may simplify transcatheter valve implantation in the setting of long-term repair failure

M. Siepe¹, B. Rylski¹, W. Bothe¹, E. Zimmer¹, G. Pache², M. Czerny³, F. Beyersdorf¹, F. Kari¹; ¹Freiburg (Germany), ²Friburg (Germany), ³Zurich (Switzerland)

Discussant: H. Jakob, Essen

08:24 Moderate hypothermia (24°C or above) with hypothermic circulatory arrest for proximal aortic operations in 123 patients with previous cardiac surgery

O. Preventza, A. Garcia, S. Kashyap, S. Akvan, D. Cooley, A. Rammou, M. Price, J. Coselli; Houston (United States of America)

08:33 Proximal aortic surgery via mini-sternotomy: Early and mid-term results in 199 patients

F. Emrich, S. Leontyev, J. Pinto, S. Lehmann, C. D. Etz, F. Bakhtiary, M. Misfeld, F. Mohr; Leipzig (Germany)

08:42 Unilateral antegrade cerebral perfusion and moderate hypothermia: Safety at molecular level

E. U. Unal¹, B. Aytekin¹, A. Demir¹, U. Aksu², K. Vardar², F. Toraman², A. Saritas¹; ¹Ankara (Turkey), ²Istanbul (Turkey)

08:51 Additional distal aortic true lumen stabilization by uncovered stent in acute type I aortic dissection: First clinical experience

K. Tsagakakis, R. Janosi, D. Dohle, P. Kahlert, J. Benedik, D. Wendt, R. Erbel, H. Jakob; Essen (Germany)

09:00 **Thoracic endovascular aortic repair for the degenerative distal arch aneurysm can be a standard procedure for high-risk patients**

T. Shijo¹, T. Kuratani¹, K. Shimamura¹, Y. Sawa²; ¹Suita (Japan), ²Osaka (Japan)

09:09 **Optimal treatment strategies for acute type A intramural hematoma**

K. Yie, Buchoen (Korea)

09:18 **Perioperative and mid-term results of endovascular treatment of complicated type B aortic dissection using proximal thoracic endoprosthesis and selective distal bare stenting**

S. Kische¹, G. D'Ancona², J. C. Belu³, H. Ince¹; ¹Berlin (Germany), ²palermo (Italy), ³rostock (Germany)

09:27 **A computational fluid dynamics based study to identify hemodynamic risk factors for retrograde aortic type A dissections**

A. Obwald¹, C. Karmonik², J. Anderson², F. Rengier³, M. Karck³, S. Partovi⁴, A. Ruhparwar³; ¹Karlsruhe (Germany), ²Houston (United States of America), ³Heidelberg (Germany), ⁴Cleveland (United States of America)

09:36 **Unequal pressure distribution along the jaws of currently available vascular clamps**

B. Rylski¹, C. Schmid¹, F. Beyersdorf¹, F. Kari¹, S. Kondov¹, L. Lutz¹, M. Czerny², M. Siepe¹; ¹Freiburg (Germany), ²Zurich (Switzerland)

10:15 - Arch repair
11:45

G102+G103

Moderators: J. Mascaro, Birmingham; H. G. Jakob, Essen; L. Di Marco, Bologna

Learning objectives:

- *To understand the proper approach to treatment of arch diseases. When is surgery clearly superior to an endovascular approach and when the endovascular approach significantly decreases the patient's risk?*

10:15 **Surgical and hybrid arch repair. Indications and technique**

J. Bavaria, Philadelphia

10:27 **Total endoarch**

S. Haulon, Lille

10:39 **In situ and chimney repairs - is there a place and do they work?**

T. Resch, Malmö

10:51 **Up to ten years' experience with E-vita open hybrid graft in complex thoracic aortic disease**

H. Jakob, D. Dohle, J. Benedik, M. Thielmann, R. Janosi, D. Wendt, T. Schlosser, K. Tsagakakis; Essen (Germany)

Discussant: G. Weiss, Vienna

11:06 **Reoperative arch surgery with and without previous endovascular repair**

M. Shrestha, Hannover

11:18 **Multicentre analysis of elective arch surgery in the last decade: Still a subject of enormous heterogeneity.**

A. Zierer, Frankfurt a.M.

11:30 **Aortic diameter remodelling after frozen elephant trunk in aortic dissection: results from an international multicentre registry**

M. Iafrancesco¹, N. Goebel², D. Pacini³, G. Weiss⁴, S. Leontyev⁵, T. Sioris⁶, J. Mascaro¹, K. Tsagakakis⁷; ¹Birmingham (United Kingdom), ²Stuttgart (Germany), ³Bologna (Italy), ⁴Vienna (Austria), ⁵Leipzig (Germany), ⁶Tampere (Finland), ⁷Essen (Germany)

Discussant: J. Bachet, NOGENT sur MARNE

16:00 - 17:30 A contemporary approach to the aortic valve and aortic root E106+E107

Moderators: E. Lansac, Paris; M. Misfeld, Leipzig; F. Schoenhoff, Bern

Learning objectives:

- *To understand the basic principles of aortic valve repair while learning how to prevent recurrence of valve regurgitation. To master the optimal approach to the aortic root in anatomical difficult conditions.*

16:00 The role of annuloplasty for aortic valve repair. How to choose among the different proposed options?

R. De Paulis, Rome

16:15 The use of pericardium in aortic valve repair. When is it a durable solution?

G. El Khoury, Brussels

16:30 Valve preserving aortic root surgery. The role of geometry and the needs for leaflet repair

H. Schäfers, Homburg/Saar

16:45 Long term results of external aortic ring annuloplasty for aortic valve repair

E. Lansac¹, I. Di Centa², G. Sleilaty¹, A. Berrebi¹, N. Khelil¹, K. Zannis³, P. Dervanian¹, M. Debauchez¹; ¹Paris (France), ²Suresnes (France), ³Paris (France)

Discussant: L. De Kerchove, Brussels

17:00 Valve sparing in various anatomical bicuspid presentation

C. Antona, Milan

17:15 Root reoperation – tips and tricks

W. Harringer, Braunschweig

Wednesday 7 October 2015

09:00 - 10:30 Learn from the experts how to do a remodeling or a reimplantation procedure