



**32nd EACTS
Annual Meeting**

Milan, Italy
18-20 October 2018





Thursday 18 October

Thu 18 Oct
08:15 - 09:15

Minimising neurological risk in coronary surgery

Abstract

Brown 3

08:15 Anaortic coronary artery bypass graft rationale and results

R. Brereton, St Leonards

08:45 Silent brain injury associated to postoperative cognitive decline after coronary bypass surgery

T. Kopjar, Zagreb, H. Gasparovic, Zagreb, M. Rados, Zagreb, A. Anticevic, New Haven, B. Malojcic, Zagreb, M. Boban, Zagreb, T. Fabijanic, Zagreb, B. Biocina, Zagreb

09:00 Early Vs. late stroke have different characteristics but similar outcomes

N. Ivascu, New York, M. Ahmed, New York, M. Munjal, New York, M. Gaudino, New York, L. Girardi, New York

Organizers :

Coronary Surgery

Thu 18 Oct
08:15 - 09:15

Degenerative mitral regurgitation: Bespoke management

Abstract

Amber 1&2

Objectives :

This session deals with degenerative mitral regurgitation with a specific focus on minimally invasive approaches. Patient selection, early outcomes and mechanisms of mitral regurgitation recurrence will be addressed

08:15 Left ventricular dysfunction after minimally invasive mitral valve surgery in asymptomatic patients: risk factors analysis

G. Bianchi, Massa, S. Di Sibio, Massa, R. Margaryan, Massa, M. Murzi, Massa, M. Solinas, Massa

08:30 Which patients are candidates for minimally invasive mitral valve surgery? – Establishment of risk calculators using national clinical database–

H. Nishi, Osaka, H. Miyata, Tokyo, N. Motomura, Tokyo, T. Takahashi, Osaka, Y. Sawa, Suita, S. Takamoto, Tokyo

08:45 Mechanisms of recurrence of moderate and severe mitral regurgitation of transapical off-pump mitral valve repair with NeoChord implantation

A. Colli, Padova, L. Besola, Padova, E. Bizzotto, Padova, A. Fiocco, Padova, G. Denas, Padova, R. Bellu, Padova, D. Pittarello, Padova, G. Gerosa, Padova

09:00 Prospective study of mitral valve repair with Memo3D annuloplasty ring

V. Kshetry, Minneapolis, M.A. Mostowych, Jacksonville, C.H. Owen, Greensboro, R. Lee, Jacksonville, R. Still, Jacksonville

Organizers :

Mitral Valve Surgery



Thu 18 Oct
08:15 - 09:15

The Ross procedure solves all problems!

Abstract

Brown 2

Objectives :

The attendant will be able to position the Ross procedure within the AVR armamentarium

08:15 Pulmonary allografts and pericardial xenografts for right ventricular outflow tract reconstruction in Ross patients: a propensity score analysis

R. Sharifulin, Novosibirsk, A. Bogachev-Prokophiev, I. Demin, Novosibirsk, A. Afanasyev, Novosibirsk, A. Karaskov, Novosibirsk

08:30 The Ross procedure versus mechanical aortic valve replacement in young-middle aged patients: a decision analysis

D. Tam, Toronto, H. Wijeyesundera,, Toronto, M. Ouzounian, Toronto, S. Frenes, Toronto

08:45 Safety and long-term survival of the Ross procedure in patients with impaired left ventricular function

S. Stock, Lübeck, U. Stierle, Lübeck, S. Tselodub, Lübeck, B. Bucsky, Lübeck, M. Petersen, Lübeck, D. Richardt, Lübeck, S. Ensminger,, Lübeck, H.H. Sievers, Lübeck

09:00 Can pulmonary autograft dilatation be prevented in patients with aortic regurgitation undergoing the Ross procedure? Impact of a tailored surgical approach

I. Bouhout, Montréal, A. Ghoneim, Montréal, M. Tusch, montreal, N. Poirier, Montréal, R. Cartier, Montréal, P. Demers, Montreal, M. Chu,, London, I. El-Hamamsy, Montréal

Organizers :

Aortic

Thu 18 Oct
08:15 - 09:15

Conflicting evidence on patient-prosthesis-mismatch

Abstract

Amber 3

Objectives :

This session focuses on whether patient-prosthesis-mismatch impacts outcome

08:15 Prosthesis-patient mismatch does not effect long-term survival in surgical aortic valve replacement - a propensity score matched analysis

S. Semsroth, Innsbruck, J. Dumfarth, Innsbruck, M. Kofler, Innsbruck, F. Sommerauer, Innsbruck, R. Matteucci-Gothe, Hall in Tirol, M. Grimm, Innsbruck

08:45 Patient prosthesis mismatch in biologic aortic prosthesis: ten years results

M. Madeira, Lisboa, S. Ranchordás, Lisboa, P. Oliveira, Lisboa, T. Nolasco, Lisboa, M. Marques, Lisboa, M. Sousa Uva, Lisboa, M. Abecasis, Lisboa, J. Neves, Lisboa

09:00 Patient-prosthesis mismatch in elderly women: the beneficial impact of sutureless valves versus stented bioprosthesis

G. Bianchi, Massa, A. Laganà, Massa, R. Margaryan, Massa, M. Solinas, Massa



Thu 18 Oct
08:15 - 09:15

Circuit of Life

Abstract

Michelangelo

Objectives :

Pitfalls in cannulation

To learn weaning strategies from extracorporeal life support

08:15 Bernoulli Effect Aggravates Leg Malperfusion During Extracorporeal Life Support with Femoral Arterial Cannulation – an in-silico Simulation Study

M. Bongert, Dortmund, J. Gehron, Giessen, M. Geller, Dortmund, A. Boening, Giessen, P. Grieshaber, Giessen

Organizers :

Heart Failure

Thu 18 Oct
08:15 - 09:15

Modern antithrombotic therapy after cardiac surgery

Abstract

Amber 5

Moderator(s) : M. Cikirikcioglu, *Geneva*

Panellist(s) : D. Fullerton, *Aurora*, U. Landmesser, *Berlin*

Objectives :

Acquire ? competencies ? select of ? antithrombotic therapy

08:15 Outcomes of Anticoagulation Strategies After Mitral Valve Repair

C. Brown, Philadelphia, F. Khurshan, Philadelphia, Z. Chen, Philadelphia, P. Groeneveld, Philadelphia, N. Desai, Philadelphia

08:30 The impact of antiplatelet and antithrombotic therapy on outcome and survival after transcatheter aortic valve implantation

M. Mach, Vienna, E. Polat, Vienna, M. Koschutnik, Vienna, D. Santer, Vienna, C. Adlbrecht, Vienna, G. Delle-Karth, Wien, M. Grabenwöger, Vienna

08:45 Effects of Ticagrelor with or without Aspirin on Saphenous Vein Graft Patency under On-pump or Off-pump 1 Year after Coronary Artery Bypass Grafting: A Post-hoc Subgroup Analysis of the DACAB Trial (DACAB-PUMP)

Y. Zhu (Shanghai), Q. Xu (Shanghai), L. Han (Shanghai), Q. Zhao, (Shanghai)

09:00 What do the guidelines say to antithrombotic therapy after cardiac surgery?

M. Sousa Uva, Lisboa



Thu 18 Oct
09:30 - 11:00

Relevant factor determining outcome after cardiac surgery

Rapid Response

Michelangelo

Objectives :

Identification of factors that directly impact outcomes in cardiac surgery and quality of life

09:38 Do patients care about the Cardiac Surgeons' Outcome Data?

Y. Haqzad, Sheffield, B.R. Waterhouse, Sheffield, R. Salem, Sheffield, N. Hussain, Sheffield, G. Chetty, Sheffield

10:02 The use of the Quality of Life in Cardiovascular Surgery questionnaire during the first year of postoperative follow-up

M.M.K. Bond, São Paulo, J. De Oliveira, São Paulo, L.C. De Souza, São Paulo, P.S. Farsky, São Paulo, V. Amato, São Paulo, S. Ghorayeb, São Paulo, D. Della Togna, São Paulo, M. Arrais Dos Santos, São Paulo

10:10 Clinical outcomes of aTAAD patients mimics ACS with preoperative oral anti-platelet agents

Y. Xue, Nanjing, Q. Zhou, Nanjing, X. Zhu, Nanjing, D. Wang, Nanjing

10:26 Artificial intelligence in cardiac surgery

B. Rosser, Zurich, F. Maisano, Zurich

Thu 18 Oct
09:30 - 12:30

New Technology meets common practice - How to enhance your surgical portfolio

Techno College

Auditorium

Organizers :





Thu 18 Oct
11:00 - 12:30

Pulmonary thrombosis and hypertension and ventricular complications of myocardial infarction

Michelangelo

Rapid Response

Objectives :

Indications and results for pulmonary ??

Approach to mechanical complications of myocardial infarction

11:08 Pulmonary thromboendarterectomy

F. Taghavi, Papworth Everard, M. Elsaegh, Papworth Everard, J. Dunning, Papworth Everard, C. Ng, Papworth Everard, S. Tsui, Cambridge, D. Jenkins, Papworth Everard

11:16 Comparative efficacy and tolerability of drug therapy in pulmonary arterial hypertension: a systematic review and network meta-analysis

B. Song, Lanzhou, F. Liang, Lanzhou, Q. Quan, Lanzhou, R. Liu, Lanzhou

11:24 Cardiac Surgeons should be involved in the management of large pulmonary embolism

M. Newman, Nedlands, J. Passage, Nedlands, P. Joshi, Nedlands, L. Sanders, Nedlands, K. Rathore, Nedlands

11:32 Outcomes of Surgical Closure of Post Myocardial Infarction Ventricular Septal Rupture

C. Padmanabhan, Coimbatore, M. Shanmugam, Coimbatore, S. Muralidharan, Coimbatore

11:40 Extended Sandwich Patch Repair provides a safe leak-free repair for Ventricular Septal Rupture

T. Asai, Otsu, T. Suzuki, Otsu, T. Kinoshita, Otsu, S. Fujino, Otsu, M. Enomoto, Otsu, Y. Kondo, Otsu, S. Shiraishi, Otsu, N. Takashima, Higashiomi

11:48 Time of day in Adult Cardiac Surgery: Much Ado about Nothing?

V. Rizzo, High Heaton, S. Clark, High Heaton

11:56 Decision Time Analysis – The Effect of Re-Exploration on Mortality

K. Freystaetter, Newcastle Upon Tyne, L. Wang, Newcastle Upon Tyne, P. Emery, Newcastle Upon Tyne, S. Clark, Newcastle Upon Tyne



Thu 18 Oct
12:45 - 14:00

Work life balance/ Diversity in cardio-thoracic surgery

Focus Session

Auditorium

Objectives :

The objective of this session is to discuss problems faced in order to make Cardiac-thoracic surgery attractive

12:45 Personalized surgical training for residents increases motivation

13:00 View from Asia

13:15 Being an involved "hands on" father and a Cardio-thoracic Surgeon

13:30 Breaking the Glass Ceiling in Surgery

13:45 Panel discussion

Thu 18 Oct
14:15 - 15:45

Classics and novelties in the technical aspects of CABG

Abstract

Brown 2

Objectives :

To learn how to master new and old techniques in CABG

14:15 In-hospital and long-term outcomes in CABG patients utilising Cross Clamp Fibrillation: A propensity matched analysis of 6680 patients over 20 years

P. Ariyaratnam, Heslington, M. Chaudhry, Cottingham, M. Cowen, Cottingham, A. Cale, Cottingham, D. Ngaage, Cottingham, M. Loubani, Cottingham

14:30 Long-term results of coronary–coronary bypass grafting

V. Bazylev, Penza, E. Rosseikin, Penza, E. Nemchenko, Penza, A. Mikulyak, Penza

14:45 A single sequential saphenous vein graft versus separate left and right vein grafts in coronary artery bypass surgery

S. Wallgren, Gothenburg, S. Nielsen, Gothenburg, E. Pan, Turku, A. Pivodic, Gothenburg, C.J. Malm, Gothenburg, A. Jeppsson, Gothenburg, A. Wallinder, Gothenburg

15:15 Long-term clinical comparison of in-situ versus free internal mammary artery as a second arterial graft: 25 years follow-up

V. Grazioli, Quebec City, M. Marzouk,, Quebec City, M. Hlal, Ville de Québec, J. Nader, Quebec City, F. Dagenais, Quebec City, P. Voisine, Quebec, D. Kalavrouziotis, Ville de Québec, S. Mohammadi, Quebec City

Organizers :

Coronary Surgery



Thu 18 Oct
14:15 - 15:45

The tricuspid valve dilemma: between confirmations and denials

Abstract

Botticelli

Objectives :

This session will address the important but still controversial issues regarding the treatment of tricuspid regurgitation

14:15 Effect of tricuspid annuloplasty prostheses on right ventricular geometry

T. Jazwiec, Zabrze, M. Malinowski, Grand Rapids, MI, United States, J. Bush, Grand Rapids, MI, United States, M. Goehler, Grand Rapids, MI, United States, N. Quay, Grand Rapids, MI, United States, M. Rausch, Austin, T. Timek, Grand Rapids

14:30 Impact of Tricuspid Annular Size Reduction on Right Ventricular Function, Geometry and Strain

M. Malinowski, Grand Rapids, MI, United States, T. Jazwiec, Grand Rapids, MI, United States, M. Goehler, Grand Rapids, MI, United States, J. Bush, Grand Rapids, MI, United States, N. Quay, Grand Rapids, MI, United States, M. Rausch, Austin, T. Timek, Grand Rapids, MI, United States

14:45 Long Term Outcome of Patients Undergoing Tricuspid Valve Surgery: A Review of 2,543 Adult Patients

N. Saran, Rochester, J. Dearani, Rochester, H. Schaff, Rochester, K. Greason, Rochester, A. Pochettino, Rochester, J. Stulak, Rochester, R. Daly, Rochester, S. Said, Rochester

15:00 Management of moderate tricuspid regurgitation in patients undergoing mitral valve surgery

H. Fawzy, Tanta, A. Arafat, Tanta, M. Elkahwagy, Tanta

15:15 Concomitant tricuspid repair in mild or moderate regurgitation improves right ventricular function

C.P. Pingpoh, Freiburg, S. Nuss, Freiburg, S. Kueri, Bad Krozingen, M. Czerny, Freiburg, F. Beyersdorf, Freiburg, M. Siepe, Freiburg

15:30 Tricuspid regurgitation in aortic valve replacement, what should we do?

J. Bustamante-Munguira, Barcelona, P. Alvarez, Girona, B. Romero, Barcelona, C. Muñoz, Barcelona, M. Camara, Barcelona, N. Vallejo, Barcelona, J. Lopez-Ayerbe, Barcelona, A. Figuerola-Tejerina, Madrid

Organizers :

Mitral Valve Surgery



Thu 18 Oct
14:15 - 15:45

HOCM

Abstract

Amber 6

14:15 Optimal septal myectomy using 3-dimensional printed models: early results

U. Andrushchuk, Minsk, V. Adzintsov, Minsk, A. Nevyglas, Minsk, A. Model, Minsk, Y. Ostrovsky, Minsk

14:25 Single center experience of surgical myectomy for hypertrophic obstructive cardiomyopathy

A. Afanasyev, Novosibirsk, A. Bogachev-Prokophiev, S. Zheleznev, Novosibirsk, M. Ovcharov, Novosibirsk, A. Sapegin, Novosibirsk, A. Pivkin, Novosibirsk, R. Sharifulin, Novosibirsk, A. Karaskov, Novosibirsk

14:35 Transaortic cutting of secondary fibrotic mitral valve chordae, in association with a shallow septal myectomy, simplifies surgical treatment in obstructive hypertrophic cardiomyopathy

L.F. Dorobantu, Bucharest, R. Ticulescu, Bucharest, M. Greavu, Bucharest, M. Alexandrescu, București, A. Fruntelata, Bucharest, R. Adam, Bucharest, C. Caldararu, Bucharest, R. Jurcut, Bucharest

14:45 Transaortic mitral valve repair for obstructive hypertrophic cardiomyopathy: Results in a large single center study population

I. Binaco, Monza, P. Spirito, Monza, G. Vaccari, Monza, D. Poggio, Monza, A. Zyrianov, Monza, V. Primerano, Monza, V. Casati, Monza, P. Ferrazzi, Monza

14:55 Residual obstruction after previous alcohol septal ablation for hypertrophic obstructive cardiomyopathy-underlying mechanism and outcome of surgical septal myectomy

C. Zhu (Beijing), S. Wang (Beijing), Y. Song (Beijing), B. Tang, S. Wang (Beijing)

15:05 Treatment of LVOT obstruction without septal hypertrophy in HOCM

D. Swistel, New York



Thu 18 Oct
14:15 - 15:45

Functional mitral valve disease

Focus Session

Brown 3

Moderator(s) : R. Klautz, *Leiden*

Panellist(s) : M. Palmen, *Leiden*, R. Haaverstad, *Bergen*, P. Denti, *Milan*

Objectives :

To understand functional MV disease and the different treatment options

14:15 Pathophysiology of functional mitral valve disease

M. Sitges, *Barcelona*

14:30 Repair or replace ?

M. De Bonis, *Milan*

14:45 Beyond annuloplasty: PM resuspension

E. Girdauskas, *Hamburg*

15:00 Beyond annuloplasty: targeting the left ventricle

S. Wakasa, *Sapporo*

15:15 Moderate mitral valve disease in coronary artery bypass graft patients

J. Braun, *Leiden*

15:30 Mitraclip and transcatheter mitral valve repair : alternative or complementary role ?

T. Walther, *Frankfurt*

Organizers :

Mitral Valve Surgery



Thu 18 Oct
14:15 - 15:45

Nightmares in end stage heart failure

Focus Session

Brown 1

Objectives :

to learn about the management of complex clinical scenarios in end stage heart failure
case based learning

14:15 A pregnant woman with decomp aortic stenosis

S. Tkebuchava, Jena

14:30 A ventricular assist device patient with septic device infection

K. Dimitrov, Vienna

14:45 A patient in cardiogenic shock and large VSD

A. Combes, Paris

15:00 A patient with infective endocarditis and acute heart failure

M. Mukharyamov, Kazan

15:15 When everything is clotting heparin-induced thrombocytopenia (HIT) on ventricular assist device

F. Pappalardo, Milan

15:30 When the ventricle is too small for ventricular assist device

M. Morshuis, Bad Oeynhausen

Organizers :

Heart Failure



Thu 18 Oct
14:15 - 15:45

Transcatheter valve-in-valve implantation 2018

Focus Session

Amber 1&2

Moderator(s) : T. Modine, *Lille*, D. Dvir, *Seattle*

Panellist(s) : E. Charitos, *Halle (Saale)*, D. Mylotte, *Galway*, T. Folliguet, *Vandoeuvre les Nancy*

Objectives :

- To understand the mechanism of bioprosthetic valve degeneration.
- To learn about technical details and pitfalls of valve-in-valve implantation in various locations.
- To learn about implications of valve-in-valve on surgical valve implantation.

14:15 Basic science: Mechanisms of bioprosthetic valve degeneration

14:30 Update on ViVid registry

D. Dvir, *Seattle*

14:45 Valve-in-valve: Aortic Target

15:00 Valve-in-valve: Mitral target

15:15 Valve-in-valve: Tricuspid target

A. Unbehaun, *Berlin*

15:30 TA TMVR, still an option for selected patients?

G. Dahle, *Oslo*, K.A. Rein, *Oslo*

Organizers :

Transcatheter



Thu 18 Oct
14:15 - 15:45

Coronary Artery Disease, Experimental Myocardial infarction and Heart Regeneration

Amber 7

Focus Session

Moderator(s) : J. Grau, *Ottawa* , A. Haverich, *Hannover*

Panellist(s) : M. Gnechi, *Pavia*

Objectives :

We will learn about the relevance of large animal models (porcine) in the examination of medical devices and the translation of novel therapies after myocardial infarction. In the second talk we will cover the latest results in the realm of regenerative medicine. In the second part we will review effects of different types of conduits on coronary artery disease progression as well as the impact of new antiplatelet agents after CABG. Furthermore we will revisit the results of biological effects of external mesh for saphenous grafts.

14:15 Animal models of ventricular remodelling after myocardial infarction. Size of animals matters in translational medicine

M. Pavone-Gyöngyösi, *Vienna*

14:35 From bench to bedside: round trip for cell therapy in heart disease

M. Gnechi, *Pavia*

14:55 External support mesh of SVG grafts. Is it possible to change the natural history of SVG failure

15:10 New antiplatelet agents versus aspirin after coronary artery bypass graft (The TICAB trial: rationale and design)

15:25 Effects of grafts and stents in coronary artery disease progression

J. Grau, *Ottawa*

Organizers :

Basic Science



Thu 18 Oct
14:15 - 15:45

Atrial fibrillation surgery: room for improvement

Rapid Response

Michelangelo

Objectives :

This session is focused on surgical ablation of atrial fibrillation including technical aspects and outcomes

14:15 Ablation of atrial fibrillation during concomitant mitral and tricuspid valve surgery: biatrial Maze IV or left atrial lesion set ?

E. Lapenna, Milan, B. Del Forno, Milan, A. Vanorio, Milan, I. Giambuzzi, Milan, S. Benussi, Zurich, D. Ferrara, Milan, O. Alfieri, Milan, M. De Bonis, Milan

14:23 Atrial fibrillation and metabolic therapy ? - Impact of obesity and adipokines on functional changes in human atrial fibroblasts and on atrial fibrillation progression

B. Niemann, Giessen, L. Li,, Giessen, S. Jackson,, Giessen, B. Reuter, Giessen, A. Boening, Giessen, S. Rohrbach, Giessen

14:55 Influence of epicardial and endocardial use of cryoenergy on the completeness of lesions in surgical ablation of atrial fibrillation

V. Kurfirst, Ceske Budejovice, A. Mokráček, Ceske Budejovice, J. Csanády, České Budějovice, A. Bulava, Ceske Budejovice, J. Haniš, Ceske Budejovice, L. Peší, České Budějovice

15:03 Maze procedure: a possible cause of chronotropic incompetence

V. Ntinopoulos, Zurich, O. Dzemali, Zurich, H. Loeblein, Zurich, D. Odavic, Zurich, A. Haeussler, Zurich, M. Gruszczynski, Zurich, A. Zientara, Zurich, M. Genoni, Zurich

15:11 Comparison of Electrophysiological guided Totally Thoracoscopic Surgical Ablation versus Catheter ablation for treatment of long standing persistent atrial fibrillation: a single institution study

A. Khosravi, London, S. Haldar, London, B. Mahesh, London, J. Gaer, London, A. De Souza, London, T. Bahrami, London

15:19 Influence of Left Atrial Appendage Amputation on Serum Levels of Natriuretic Peptides – a Randomized Controlled Study

P. Grieshaber, Giessen, B. Ameth,, Giessen, F. Steinnsberger, Giessen, B. Niemann, Giessen, I. Oswald,, Giessen, A. Boening, Giessen

Organizers :

Arrhythmia



Thu 18 Oct
14:15 - 17:30

A practical approach to aortic valve repair

Professional Challenge

Auditorium

Moderator(s) : R. De Paulis, *Rome*, R. Sádaba, *Pamplona*

Objectives :

To understand the proper indications for patients with aortic regurgitation and be able to choose the most appropriate therapy

14:15 Guidelines: are they clear on indications and timing

J. Sjogren, Lund

14:30 Echocardiography: how to give accurate indications to the surgeon

M. Van Dyck, Woluwe-Saint-Lambert

14:45 Standard surgical steps to repair an aortic valve - live-in-a-box

M. Boodhwani, Ottawa

15:05 Standard surgical steps to repair a bicuspid valve - live-in-a-box

J. Vojacek, Hradec Kralove

15:30 Aortic valve leaflet reconstruction using autologous pericardium guided by virtual reality image evaluation of the aortic root

T. Tedoriya, Ageo, K. Kamiya, Ageo, Y. Gatate, Ageo, T. Miyauchi, Ageo, M. Fukuzumi,, Ageo, Y. Yasushi, Kawagoe

15:45 BREAK

16:00 When not to repair and what to do when the repair fails - live-in-a-box

J. Bavaria, Philadelphia

16:15 Unexpected complications in valve sparing

G. El Khoury, Woluwe-Saint-Lambert

16:30 A critical appraisal of the need for annuloplasty

H.J. Schäfers, Homburg/Saar

16:35 What do we want to achieve to optimize the long-term results of a valve sparing procedure

L. Girardi, New York

16:40 Whats the role for TAVI

D. Holzhey, Leipzig

17:10 Comparison of root hemodynamics and configuration after valve preserving root replacement in a pulsatile flow moc loop

M. Seki, Mibu-machi, T. Kuniyama, Tokyo, K. Iwasaki, Tokyo, K. Sasaki, Tokyo, H. Seki, Yamato, H. Fukuda, Mibu-machi

Organizers :

Aortic



Thu 18 Oct
16:00 - 17:30

Beyond conventional risk scores: Predicting mortality and serious morbidity

Amber 4

Abstract

Objectives :

Conventional risk scores, liver cirrhosis

16:15 ICNARC acute physiology score can be used to predict in-hospital and long-term outcomes in cardiac surgical patients

P. Ariyaratnam, Heslington, A. Ananthasayanam, Cottingham, M. Chaudhry, WAKEFIELD, A. Vijayan., Cottingham, J. Moore, Cottingham, N. Richards, WAKEFIELD, Y. Haqzad, Cottingham, M. Loubani, WAKEFIELD

Thu 18 Oct
16:00 - 17:30

Minimally invasive mitral valve surgery - start up tool box

Focus Session

Brown 3

Moderator(s) : J. Sjogren, *Lund*

Panellist(s) : P. Modi, *Liverpool*, P. Sardari Nia, *Maastricht*, N. Doll, *Stuttgart*

Objectives :

There is a growing interest in performing mitral valve surgery through a minimally invasive approach. In many Institutions minithoracotomy is performed routinely to address the mitral valve. However, in the vast majority of the cases, median sternotomy remains the gold standard. The aim of this session is to provide toolboxes for those surgeons who are willing to move from median sternotomy to a minimally invasive approach. Tips, tricks and complications of the different steps of a minimally invasive mitral surgery operation will be presented discussed in details.

16:00 Cannulation options and complications + video

D. Pereda, Barcelona

16:15 Clamping and myocardial protection +video

J.F. Obadia, Bron

16:30 Access and visualization: 2 D vs. 3D +video

J. Kempfert, Berlin

16:45 Exposing the mitral valve: tips and tricks +video

F. Casselman, Aalst

17:00 Repair techniques: respect or resect + video

T. Holubec, Bad Nauheim

17:15 Additional tools: Coreknot and beyond +video

A. Miceli, Milan

Organizers :

Mitral Valve Surgery



Thu 18 Oct
16:00 - 17:30

How do I start my coronary practice: The devil is in the details

Focus Session

Brown 1

Moderator(s) : M. Gaudino, M. Sousa Uva, *Lisboa*

Panellist(s) : P. Davierwala, *Leipzig*, D. Glineur, *Ottawa*, M. Lemma, *Changchun*, D. Tam, *Toronto*, R. Tranbaugh, *New York*

Objectives :

To learn how to safely start a programme in multiarterial grafting.

To learn the advantages and limitations of each technique.

To select the best strategy for your patient.

16:00 Do not neglect the vein! A view from a resident

M. Lehtinen, Helsinki

16:15 The radial artery: First step towards multi-arterial grafting

J. Tatoulis, Melbourne

16:30 For BITA, skeletonization is key: How I do it

F. Bakaeen, Cleveland

16:45 Revival coming from the Far East: the gastroepiploic artery

T. Asai, Otsu

17:00 The flow meter can be your best friend

T. Kieser, Calgary

17:15 Now that I know it all, how do I match the conduits to my patient

M. Gaudino, New York

Organizers :

Coronary Surgery



Thu 18 Oct
16:00 - 17:30

Prediction and avoidance of complications in transcatheter procedures

Amber 1&2

Focus Session

Moderator(s) : J. Seeburger, *Leipzig*, O. Wendler, *London*

Panellist(s) : H. Schröfel, *Freiburg*

Objectives :

How to avoid complications in transcatheter procedures

How to treat these complications

16:00 Team setup - Failing to prepare is preparing to fail

D. Holzhey, *Leipzig*

16:15 What can go wrong in transcatheter mitral procedures and how to avoid it

F. Maisano, *Zürich*

16:30 Complications in endovascular aortic procedures

16:45 When transcatheter aortic valve implantation goes bust - exit strategies

T. De Kroon, *Nieuwegein*

17:00 Impact of aortic valve calcification on clinical major complications following transcatheter aortic valve implantation and mid-term follow-up

F. Pollari, *Nuremberg*, F. Vogt, *Nuremberg*, M. Cuomo, *Nuremberg*, C. Söhn, *Nuremberg*, C. Dormann, *Nuremberg*, T. Bertsch, *Nuremberg*, T. Fischlein, *Nuremberg*, S. Pfeiffer, *Nuremberg*

17:15 Prediction of acute kidney injury after transcatheter aortic valve implantation by new biomarkers

M. Arsalan, *Frankfurt*, L. Gaede, *Dortmund*, G. Filardo, *Dallas*, H. Möllmann, *Germany*, M. Doss, *Bad Nauheim*, C. Hamm, *Bad Nauheim*, T. Walther, *Frankfurt*, C. Liebetrau, *Bad Nauheim*

Organizers :

Transcatheter

Thu 18 Oct
16:00 - 17:30

Nightmares in cardio-thoracic surgery (Residents)

Amber 3

Focus Session

16:15 tba

M. Dusmet, *London*

17:00 tba

M. Siepe, *Freiburg*

Organizers :

Residents



Thu 18 Oct
16:00 - 17:30

Valvular Sessions

Focus Session

Amber 7

Objectives :

Premature degeneration of bovine and porcine biovalves in valve diseased patients is an accepted morbidity in patients that have to undergo valve replacement. In this session we will learn to integrate basic science concepts in the realm of structural valve degeneration. There is also an update of novel tissue engineered valve constructs. Furthermore we will also learn that aortic stenosis is associated with impaired platelet function.

16:00 New generation engineered heart valves

M. Emmert, Zürich

16:25 Biology of structural bioprosthetic valve degeneration

16:50 Impaired platelet function and aortic stenosis

B. Steinlechner, Vienna

17:10 Cellular biology of mixomatous mitral valve disease, carcinoid syndrome. What is the role of serotonin and 5HT2b agonists

E. Branchetti, Philadelphia

Organizers :

Basic Science



Thu 18 Oct
16:00 - 17:30

Controversies & catastrophes in adult cardiac surgery

Focus Session

Amber 5

Objectives :

The objective of this session is to discuss controversial topics with world experts in adult cardio-thoracic surgery in an objective way

16:00 Introduction

M. Shrestha, Hannover

16:00 Massive Haemorrhage in Re-operative Surgery: case presentation and salvage strategy

M. Underwood, Hong Kong

16:13 Eyes wide Shut: the hidden data about the Partner trial that all Surgeons should know

16:26 Sutureless Valves: Leap to the future?

T. Fischlein, Nuremberg

16:39 A case of a complex challenging acute type A dissection in a young woman

16:52 Barlow's Disease: Complex repair: Ring Only or Replace?

17:05 Mitral- and tricuspid valve regurgitation – when interventional therapy is the way to go

J. Widder, Hannover

17:17 Radiation Danger for health Personnel: Are we taking the risk seriously?



Thu 18 Oct
16:00 - 17:30

Optimising Perioperative Care in Cardiac Transplantation

Rapid Response

Michelangelo

Objectives :

- To understand measures to improve allograft survival
- To understand mechanisms of allograft dysfunction
- To understand pathology of heart failure

16:00 Is it time to create a different transplant eligibility criterion on body mass index in bridge-to-transplant heart transplant candidates?

M. Ando, New York, H. Takayama, New York, P. Kurlansky, New York, M. Yuzefpolskaya, New York, P. Colombo, New York, M. Farr, New York, Y. Naka, New York, K. Takeda, New York

16:08 Effect of temperature on cardiac metabolism during ex-vivo reperfusion of the allograft in an animal model of donation after circulatory death

S. Mastrobuoni, Woluwe-Saint-Lambert, O. Van Caenegem, Woluwe-Saint-Lambert, M. Vergauwen, Woluwe-Saint-Lambert, G. Beaurin, Woluwe-Saint-Lambert, A. Poncelet, Woluwe-Saint-Lambert

17:04 Low rate of heart transplantation in fulminant myocarditis patients treated with mechanical circulatory support and prompt left heart unloading

Y.R. Shin, Seoul, H.K. Park, Seoul

Organizers :

Heart Failure

 Thursday 18 October

Thu 18 Oct
08:15 - 09:15

MMCTS Video cases – Vascular bailouts

Abstract

Raphael

Objectives :

- Tips and tricks to solve intraoperative problems in open and endovascular surgery – video session

08:25 Replacement of the descending aorta after failed stentgraft treatment of a post coarctation repair - pseudoaneurysm

T. Schachner, Innsbruck

08:35 Obstruction of the Ascending Aorta after Endovascular Therapy of Pseudoaneurysm of the Ascending Aorta

T. Nazari-Shafti, Berlin

08:45 Surgery for retrograde dissection and endoleak fix following endovascular repair of type B dissection

E. Quintana, Barcelona, E. Sandoval, Barcelona, A. Fernandez-Cisneros, Barcelona, J. Hernandez, Barcelona



Thu 18 Oct
08:15 - 09:15

Flow analysis and annulus modification after valve sparing surgery

Amber 7

Abstract

Objectives :

After this session you will be able to improve the knowledge in anatomy and physiology of the aortic root and achieve latter results

08:45 Morphological modification of the aortic annulus in tricuspid and bicuspid valves after aortic valve reimplantation procedure: an ECG-gated CT study

I. Chirichilli, Rome, F. Irace, Roma, L.P. Weltert, Rome, K. Tsuda, Hamamatsu, R. Scaffa, Rome, A. Salica, Rome, N. Galea, Rome, R. De Paulis, Rome

09:00 Does the aortic annulus dilate following valve sparing aortic root replacement using the remodelling technique?

R. Bilkhu, London, G. Soppa, London, M. Tome, London, R. Sharma, London, M. Edsell, London, M. Jahangiri, London

Thu 18 Oct
09:30 - 11:00

EACTS-STTS - Treatment of type B aortic dissection in the era of stent-grafting – Acute dissection

Raphael

Focus Session

Objectives :

Overview of contemporary treatment options of acute type B dissection. Understand differences in practice between US and Europe

09:30 Modeling of pre-dissection aortic size in acute descending aortic dissection

M. Berezowski, Wrocław, T. Riesterer, Freiburg im Breisgau, T. Plonek, Wrocław, M. Siepe, Freiburg, F. Beyersdorf, Freiburg, M. Jasinski, Wrocław, M. Czemy, Freiburg, B. Rylski, Freiburg

09:45 When to intervene in acute type B dissection?

S. Trimarchi, San Donato Milanese

10:00 How to intervene in type B with arch involvement: the EUROPEAN point of view

M. Grabenwöger, Vienna

10:05 Non A/Non B dissection - a separate clinical entity?

10:10 Discussion

10:15 Petticoat concept in acute type B dissection: PRO and CON

G. Melissano, Milan

10:30 Fate of the patient after acute type B dissection based on treatment strategy

S. Ronchey, Rome



Thu 18 Oct
11:00 - 12:30

EACTS-STs - Treatment of type B aortic dissection in the era of stent-grafting – Chronic dissection

Raphael

Focus Session

Objectives :

Overview of contemporary treatment options of acute type B dissection. Understand differences in practice between US and Europe.

11:00 Immediate and long-term outcomes of surgery versus endovascular approach. The devil's advocate.

F. Onorati, Verona

11:15 Is there an optimal patient for stent-grafting in the chronic setting?

A. Pochettino, Rochester

11:30 Longterm results of TEVAR for Chronic type B dissection

K. Sakamoto, Kyoto, K. Minatoya, Kyoto, J. Tazaki, Kyoto, K. Yamazaki, Kyoto, H. Kanemitsu, Kyoto, M. Kawato, Kyoto, Y. Ide, Kyoto, T. Ikeda, Kyoto

11:45 Open surgical approaches for chronic type B dissections

R. Chiesa, Milan

12:00 Development of joint guidelines in Type B dissection: why do we need it?

J. Bavaria, Philadelphia



Thu 18 Oct
11:00 - 12:30

Time-pressured reactions to avoid casualties in type A dissections

Titian

Rapid Response

Objectives :

After this session you will be able to react better to different emergent clinical scenarios commonly faced in the management of acute type A aortic dissection.

11:00 The The fate of down-stream aorta after open aortic repair for acute DeBakey I aortic dissection: Total arch replacement versus non-total arch replacement

Y. Ikeno, Kobe, K. Yokawa, Kobe, H. Tanaka, Kobe, Y. Okita, Kobe

11:16 Type A aortic dissection in patients with bicuspid aortic valve aortopathy

M. Kreibich, Philadelphia, B. Rylski, Freiburg, M. Czerny, Freiburg, F. Beyersdorf, Freiburg, J. Bavaria, Philadelphia, N. Desai, Philadelphia, E. Branchetti, Philadelphia

11:24 Direct true lumen cannulation in acute type A aortic dissection

H. El Beyrouti, Mainz, D.S. Dohle, Mainz, L. Brendel, Mainz, P. Pfeiffer, Mainz, M. El-Mehsen, Mainz, C.F. Vahl, Mainz

11:32 Outcomes of medical treatment for octogenarians and nonagenarians with acute type a aortic dissection

T. Minami, Yokohama, K. Uchida, Yokohama, N. Karube, Yokohama, C. Tomoki, Yokohama, M. Yusuke, Yokohama, K. Fushimi, Yokohama, Y. Naoto, Yokohama, M. Masuda, Yokohama

11:48 Short- and long-term outcomes of open repair of acute type A aortic dissection in patients with vs. without previous cardiac surgery

C.M. Rosati, Indianapolis, E. Norton, Ann Arbor, A. Bernabei, Milan, P. Vardas, Indianapolis, G. Deeb, Ann Arbor, H.J. Patel, Ann Arbor, K.M. Kim, Ann Arbor, B. Yang, Ann Arbor

11:56 Intimal protected adventitial inversion technique during total aortic arch replacement accelerates false-lumen thrombosis and aortic remodeling for acute type A aortic dissection

R. Suzuki, Ube, A. Mikamo, Ube, Y. Matsuno, Ube, A. Fujita, Ube, H. Kurazumi, Ube, B. Shirasawa, Ube, H. Kimikazu, Ube



Thu 18 Oct
14:15 - 15:45

Working from inside the aorta with surgical input

Abstract

Raphael

Objectives :

After this session you will be able to describe the accuracy of landing in the proximal landing zone with available TEVAR devices, to indicate pros and cons for hybrid arch repair in older patients and to report the current outcomes of endovascular treatment of thoracoabdominal aneurysm.

14:15 Is debranching thoracic endovascular aortic repair acceptable as the first choice for aortic arch aneurysm in the elderly (>75-years-old)?

Y. Seike, Suita, H. Matsuda, Suita, J. Matsuo, Osaka, Y. Inoue, Suita, A. Omura, Suita, K. Uehara, Suita, H. Sasaki, Suita, J. Kobayashi, Suita

14:30 Total endovascular repair of thoracoabdominal aortic aneurysms by fenestrated/branched endografts

E. Gallitto, Bologna, M. Gargiulo, Bologna, R. Pini, Bologna, G. Faggioli, Bologna, C. Mascoli, Bologna, C. Fenelli, Bologna, S. Ancetti, Bologna, A. Stella, Bologna

15:00 Accuracy of deployment of the relay non-bare-stent graft in the aortic arch

T. Riesterer, Freiburg im Breisgau, M. Berezowski, Wroclaw, S. Kondov, Freiburg, F. Beyersdorf, Freiburg, M. Czerny, Freiburg, B. Rylski, Freiburg

15:15 Radical open surgery after complications following thoracic endovascular aortic repair (TEVAR)

M. Shrestha, Hannover, W. Korte, Hannover, E. Beckmann, Hannover, A. Stettinger, Hannover, H. Krüger, Hannover, T. Kaufeld, Hannover, A. Haverich, Hannover, A. Martens, Hannover

15:30 Left ventricular remodelling following acute type B aortic dissection

T. Van Bakel, Ann Arbor, I. Houben, Ann Arbor, J. Van Herwaarden, Utrecht, F. Moll, Utrecht, S. Trimarchi, San Donato Milanese, C.A. Figueroa, Ann Arbor, H. Patel, Ann Arbor



Thu 18 Oct
16:00 - 17:30

Strategies to minimize end-organ damage in aortic surgery

Abstract

Raphael

Objectives :

After this session you will be aware of strategies and new technologies of end-organ protection in aortic surgery.

16:00 Haemimmoadsorption Improves the Course of Anaesthesia for Aortic Surgery Under Deep Hypothermic Cardiac Arrest

T. Saller, Munich, S. Woitsch, Munich, M. Luehr, Munich, F. Born, Munich, T. Kammerer, Munich, M. Pichlmaier, Munich, C. Hagl, Munich, P. Scheieman, Munich

16:15 Impact of Renal Malperfusion on Mortality Risk following Acute Type A Aortic Dissection Repair

Q. Sichong, Beijing, W.G. Ma, Beijing, L.Z. Sun, Beijing

16:30 Replacement of the descending aorta with partial cardiopulmonary bypass in the endovascular repair era

K. Uehara, Suita, H. Matsuda, Suita, J. Matsuo, Suita, Y. Inoue, Suita, A. Omura, Suita, Y. Seike, Suita, H. Sasaki, Suita, J. Kobayashi, Suita

16:45 Impact of preservation of the latissimus dorsi muscle through an left antero-axillary thoracotomy on spinal cord protection in descending and thoracoabdominal aortic surgeries

T. Fujiyoshi, Tokyo, K. Kamiya, Tokyo, N. Koizumi, Tokyo, N. Toshiya, Tokyo, H. Ogino, Tokyo

17:00 Silent cerebral infarction after thoracic endovascular aortic repair: A prospective neuroimaging study

K. Masada, Suita, T. Kuratani, Suita, K. Shimamura, Suita, K. Kin, Suita, T. Shijo, Suita, Y. Watanabe, Suita, T. Goto, Suita, Y. Sawa, Suita

Thursday 18 October

Thu 18 Oct
08:15 - 09:15

Heart failure & Mechanical Circulation

Abstract

Botticelli

08:15 ECMO in congenital paediatric population; could end-organ function predict outcome?

M. Nassar, Newcastle upon Tyne, L. Coats, Newcastle upon Tyne, B. Murtuza, Newcastle upon Tyne, J. Llevadias, Newcastle upon Tyne, F. De Rita, Newcastle Upon Tyne, T. Chila, High Heaton, A. Hasan, Newcastle upon Tyne

08:30 A comparison of a new method of pump controlled retrograde trial-off to conventional arteriovenous bridging for weaning from veno-arterial extracorporeal membrane oxygenation

N.R. Pandya, Brisbane, M. Daley, Brisbane, K. Betts, Saint Lucia, A. Mattke, Brisbane, E. Haisz, Brisbane, A. Black, Brisbane, N. Alphonso, Brisbane, P. Venugopal, Brisbane



Thu 18 Oct
09:30 - 11:00

Tetralogy of Fallot & pulmonary atresion / VSD: Part 1

Professional Challenge

Botticelli

Objectives :

Clinical challenges and outcomes regarding palliation and repair of TOF & PA/VSD

09:30 Pro - Transcatheter palliation is better

09:40 Con - Surgical palliation is better

09:50 Discussion

10:15 How to guarantee the patient safety of educational complex congenital heart surgery: Tetralogy of Fallot repair

M. Shimada, Osaka, T. Hoashi, Osaka, T. Nakata, Osaka, H. Ozawa, Osaka, H. Ichikawa, Osaka

10:30 Tetralogy of Fallot and abnormal coronary artery : no prosthetic conduit

M. Pontallier, Paris, C. Bernard, Paris, R. Gaudin, Paris, A. Moreau De Bellaing, Paris, C. Barbanti, Paris, A. Haydar, Paris, P. Vouhe, Paris, O. Raisky, Paris

Thu 18 Oct
11:00 - 12:30

Tetralogy of Fallot & pulmonary atresion / VSD: Part 2

Professional Challenge

Botticelli

Objectives :

Clinical challenges and outcomes regarding palliation and repair of TOF & PA/VSD

12:00 Optimal timing for pulmonary valve implantation in tetralogy of fallot



Thu 18 Oct
14:15 - 15:45

Rapid Fire - Congenital

Rapid Response

Titian

14:15 Comparison of Outcomes of Pulmonary Valve Replacement in Adult vs. Pediatric Hospital: Institutional Influence

S. Fuller, Philadelphia, A. Ramachandran,, Philadelphia, K. Awh, Philadelphia, J.A. Faerber,, Philadelphia, M. O'byrne,, Philadelphia, C. Mascio,, Philadelphia, Y. Kim,, Philadelphia

14:23 European study on decellularised homografts for pulmonary valve replacement – the prospective ESPOIR Trial initial results and ESPOIR Registry data

S. Sarikouch, Hannover, T. Espoir Study Group, Tsang, Jashari, Bobylev, Tudorache, Cebotari, Haverich

14:31 Fever within 48h after Melody implantation is a risk factor of late infective endocarditis

O. Villemain, Paris, N. Ben Moussa, Paris, S. Malekzadeh-Milani, Paris, M. Méot, Paris, M. Mostefa-Kara, Paris, D. Bonnet, Paris, Y. Boudjemline, Paris

15:03 Aortic valve explants after reconstruction in childhood – a 1st histological glance at suitable materials

S. Lueck, Muenster, A. Peivandi, Muenster, M. Seiler, Muenster, S. Martens, Muenster, K.M. Müller, Muenster, B. Asfour, Sankt Augustin

15:19 Propensity matched comparison of the long-term outcomes of the Nunn technique and two-patch technique for repair of complete atrioventricular septal defects

D. Bell, South Brisbane, P. Thakeria, Saint Lucia, K. Betts,, Saint Lucia, R. Justo, Brisbane, V. Wijesekera, Chermide West, T. Karl, Brisbane, P. Venugopal,, Brisbane, N. Alphonso,, South Brisbane

Thu 18 Oct
16:00 - 17:30

Surgical videos

Abstract

Botticelli

16:15 Congenital Partial (Upper) Sternal Cleft: Sternal plasty using autologous sternal free bone graft

H. Dave, Zürich, U. Moehrlen, Zürich, M. Schmiady, Zürich, T. Berger, Zürich, M. Huebler, Zurich

16:30 Conduit-less pulmonary valve reconstruction in DORV – Fallot's Type and Complete pulmonary Atresia: Exploring an evolving strategy

H. Dave, Zürich, M. Christmann, Zürich, M. Huebler, Zurich

16:45 Ventricular septal realignment improves both outflow tract hemodynamics in Fallot

R. Pfister, Lausanne, A. Nowacka,, Lausanne, S. Di Bernardo, Lausanne, Y. Mivelaz, Lausanne, M. Prsa, Lausanne, N. Sekarski,, Lausanne, R. Prêtre, Lausanne

17:00 Cone repair for Ebstein's anomaly with atrial fibrillation ablation in an adult patient

A. Fernandez-Cisneros, Barcelona, M. Ascaso, Barcelona, E. Sandoval, Barcelona, D. Pereda, Barcelona



 **Thursday 18 October**

Thu 18 Oct
08:15 - 09:15

Innovations in thoracic surgery

Focus Session

Amber 6

08:15 Artificial intelligence technology in thoracic surgery

S. Blackmon, Rochester

08:27 3D printing in cardio-thoracic surgery

S. Yendamuri, Buffalo

08:39 Developments in CATS hybrid theater procedures

E. Roessner, Mannheim

08:51 Advances in localization techniques for small lung lesions and ground glass opacity

H. Date, Kyōto-shi

09:03 Virtual assisted lung mapping (VAL-MAP)

M. Sato, Tokyo

Thu 18 Oct
08:15 - 09:15

Rapid fire 1 - Thoracic

Rapid Response

Titian

08:31 Thoracoscopic Evacuation Compared to Reinsertion of Thoracostomy Tube in Persistent Traumatic Hemothorax

H. Elkhayat, Assiut, M. Ayyad, Assiut, M. Emad, Assiut, A. Farhgaly, Assiut

08:39 Aspirin in patients undergoing major lung resections: perilous or placid

D. Stamenovic, Karlsruhe, A. Messerschmidt, Karlsruhe, T. Schneider, Karlsruhe

08:47 Part-solid lung adenocarcinoma in Asians versus Caucasians: different biology but similar outcomes

L. Natalie, Stanford, J. Benson, Stanford, H. He, Stanford, B. Imielski, Chicago, C. Kunder, Stanford, L. Backhus, Stanford, M. Berry, Stanford, J. Shrager, Stanford

08:55 Effects of human Wharton's jelly-derived mesenchymal stem cells on chronic obstructive pulmonary disease mouse model

J. Cho, Daegu, K.S. Park, Daegu



Thu 18 Oct
09:30 - 11:00

Oncology 1
Rapid Response

Titian

Moderator(s) : S. Yendamuri, *Buffalo*

09:30 Predictors of behaviour in solitary fibrous tumours of the pleura surgically resected: analysis of 107 patients

G. Marulli, Padova, A. Bellini, Padova, C. Breda, Mestre, P. Ferrigno, Padova, F. Lo Giudice, Mestre, C. Brombin, Mestre, S. Terzi, Padova, F. Rea, Padova

09:46 Long term results after carinal resection

G. Maurizi, Rome, A. D'Andrilli, Rome, A.M. Ciccone, Rome, M. Ibrahim, Rome, C. Andreetti, Rome, S.M. Tierno, Rome, F. Venuta, Roma, E.A. Rendina, Rome

09:54 Risk factors and effects of conversion from vats to open lobectomy: analysis from a national database

S. Bongiolatti, Firenze, A. Gonfotti, Firenze, D. Viggiano, Firenze, E. Vokri, Firenze, S. Borgianni, Firenze, G. Tancredi, Firenze, L. Voltolini, Firenze

10:02 Influence of emphysema for prognosis of resected lung cancer, analysis depending on Goddard score

A. Kagimoto, aoyamachou, Kure, Hiroshima pref, T. Mimura, aoyamachou, Kure, Hiroshima pref, Y. Yamashita, aoyamachou, Kure, Hiroshima pref

10:10 Resection of T4 Non-Small Cell Lung Cancer Invading the Spine

D. Galetta, Milan, L. Spaggiari, Milan

10:26 Transcriptomic analysis of the Aquaporin (AQP) interactome in patients with small cell lung cancer

D. Magouliotis, Larissa, V. Tasiopoulou, Larisa, K. Svokos, Providence, A. Svokos, Newport News, K. Spiliopoulos, Larissa, K. Athanassiadi, Athens

10:34 Prognostic value of total legion glycolysis in resected clinical stage I lung cancer

K. Shirahashi, Gifu, M. Matsumoto, Gifu, Y. Miyamoto, Gifu, H. Komuro, Gifu, K. Hagiwara, Gifu, K. Doi, Gifu, H. Iwata, Gifu

Thu 18 Oct
09:30 - 12:30

Trachea/airway
Techno College

Amber 6

09:30 Live surgery from Rome

E.A. Rendina, Rome

09:45 Live surgery from Guangzhou

10:00 Subglottic stenosis: Resection or endoluminal therapy

D. Mathisen, Boston

10:15 Carinal resection: Which approach

L. Spaggiari, Milan

10:30 Stenting the central airways



Thu 18 Oct
11:00 - 12:30

Thoracic Mixed

Rapid Response

Amber 4

11:00 Is 18F-FDG PET/CT useful to distinguish metachronous lung cancer from pulmonary metastasis in patients with previous cancer history? Analysis of 127 pulmonary nodules detected during oncologic follow-up

S. Taralli, Rome, V. Scolozzi, Rome, M. Foti, Rome, F. Carleo, Roma, M. Di Martino, Roma, A.R. De Massimi, Roma, G. Cardillo, Roma, M.L. Calcagni, Rome

11:16 Emphysema MDTs: Impact on assessment and management in the UK

H. Weaver, Leicester, S. Rathinam, Leicester

11:24 Under-expression of BCL2 associated X protein and BCL2 Associated Transcription Factor 1 genes in lung transplant recipients with primary graft dysfunction

D. Magouliotis, Larissa, V. Tasiopoulou, Larisa, K. Svokos, Providence, A. Svokos, Newport News, K. Athanassiadi, Athens

11:32 Intraoperative extra-corporeal membrane oxygenation during lung transplantation. Predictive factors and mid-term outcome in a single center

A. Palleschi, Milano, D. Tosi, Milano, L. Rosso, Milano, E. Prisciandaro, Milano, V.S. Musso, Milano, L.C. Morlacchi, Milano, A. Cannata, Milan, M. Nosotti, Milano

11:40 An unusual pneumothorax: from the neck to the lung, the strange case of the migrating needle

M. Cosci, Vicenza, M. Vidali, Vicenza, D.M. Francesco, Vicenza

11:56 Large Cervical Lipoma with Intravascular Invasion and Superior Vena Cava Obstruction

P. Chanawangsa, Pathum Thani, J. Kaewbunjong, Pathum Thani



Thu 18 Oct
14:15 - 15:45

Oncology 2
Rapid Response

Amber 4

14:15 The application of robotic technology for lobectomy in clinical locally advanced non small cell lung cancer

C. Zrafa, Pise, I. Cavaliere, Pise, V. Aprile, Pisa, S. Ricciardi, Pisa, G. Romano, pisa, F. Davini,, Pise, F. Melfi, Pisa

14:23 Subxiphoid Multiportal Thoracoscopic Major Pulmonary Resections

K. Pfeuty, Saint-Brieuc, B. Lenot, Saint-Brieuc

14:31 Lavage cytology of retrieval bags after video-assisted thoracic surgery in primary lung cancer patients

N. Date, Kobe, H. Hamakawa, Kōbe-shi, A. Aoyama, Kōbe-shi, I. Sakanoue, Kōbe-shi, T. Saito, Kōbe-shi, Y. Takahashi, Kōbe-shi

14:39 Psoas major muscle area predicts prognosis of patients undergoing surgery for lung squamous cell carcinoma

N. Ozeki, Nagoya, S. Iwano, Nagoya, K. Kawaguchi, Nagoya, T. Fukui, Nagoya, S. Nakamura, Nagoya, S. Hakiri, Nagoya, K. Yokoi, Nagoya

14:47 Comparison of salvage surgery and pulmonary resections after induction chemoradiotherapy for locally advanced lung cancer patients

A. Kobayashi, Chūō-ku, S.I. Watanabe, Chūō-ku, S. Uchida, Chūō-ku, M. Yotsukura, Chūō-ku, K. Asakura, Chūō-ku, Y. Yoshida, Chūō-ku, K. Nakagawa, Chūō-ku

14:55 Selective criteria for wedge resection and segmentectomy in small-sized pulmonary undetectable tumours

H. Kato, Yamagata, H. Oizumi, Yamagata, J. Suzuki, Yamagata, A. Hamada, Yamagata, K. Nakahashi, Yamagata, S. Takamori, Yamagata, M. Sadahiro, Yamagata

15:03 Pulmonary Resection After Pneumonectomy

D. Galetta, Milan, L. Spaggiari, Milan

15:11 Primary Pulmonary Lymphoma: Clinical Features, Prognostic Factors, and Outcomes

D. Galetta, Milan, L. Spaggiari, Milan

15:19 Short and long outcome of bilateral pulmonary resection for lung malignancy -surgical feasibility of bilateral lobectomy-

S. Hirayama, Tokyo, A. Hattori, Tokyo, M. Fukui, Tokyo, T. Matsunaga, Tokyo, K. Takamochi, Tokyo, S. Oh, Tokyo, K. Suzuki, Tokyo



Thu 18 Oct
16:00 - 17:30

Update on molecular biology in lung cancer - for surgeons

Focus Session

Amber 6

Moderator(s) : T. Lacin, *Istanbul*, I. Ilonen, *Helsinki*

16:00 Molecular targets for therapy & immunotherapy

16:15 Circulating tumour DNA - what's the use?

L. Heukamp, *Cologne*

16:30 Molecular biology of ground glass opacity

L. Heukamp, *Cologne*

Thursday 18 October

Thu 18 Oct
09:30 - 11:00

Expert experiences with drafting your manuscript

Focus Session

Suite 5

Moderator(s) : M. Siepe, *Freiburg*, D. Pagano, *Birmingham*

Objectives :

1. Learn how to prepare your manuscript
2. Preparing statistical analyses

09:30 Tips and tricks for retrospective data collection

U. Sartipy, *Stockholm*

09:45 Preparing the perfect "Table 1"

S. Grant, *Blackpool*

10:00 Confusing and informing with illustrations: how to do it

M. Milojevic, *Rotterdam*

10:15 Statistical programmes

F. Barili, *Cuneo*

10:30 Analysis workflows and reproducible research: avoiding groundhog day!

N. Freemantle, *London*

10:45 Help from the EJCTS / ICVTS statistical primers

G. Hickey, *Liverpool*

Organizers :

Research



Thu 18 Oct
11:00 - 12:30

Insights into clinical trials

Focus Session

Suite 5

Moderator(s) : G. Hickey, *Liverpool*, R. Osnabrugge, *Rotterdam*

Objectives :

1. Understanding basic concepts of clinical trials
2. How to deal with crossovers

11:00 Randomisation methods

11:18 Superiority or non-inferiority trial?

S. Head, *Rotterdam*

11:36 Bayesian clinical trials: are they the future?

G. Hickey, *Liverpool*

11:54 Crossovers

N. Freemantle, *London*

12:12 Subgroup analyses

M. Wyler Von Ballmoos, *Milwaukee*

Organizers :

Research

Thu 18 Oct
12:45 - 14:00

Residents lunch

Plenary

Panorama Lounge

12:45 Table 1; Why go abroad for a fellowship?

E. Quintana, *Barcelona*, I. Ilonen, *Helsinki*

12:45 Table 3; How to implement a standard minimally invasive sAVR programme?

F. Maisano, *Zürich*, M. Misfeld, *Leipzig*

Organizers :

Residents



Thu 18 Oct
14:15 - 15:45

Think Tank on European CTS Training – Next Steps?

Focus Session

Amber 3

Objectives :

This session will allow residents to know the heterogeneity and challenges of European CTS training and to seek ways to unify education across the continent.

14:15 Introduction

14:21 Overview from UK

14:27 Overview from Italy

14:33 Overview from The Netherlands

14:39 Overview from Switzerland

A. Zentara, Zürich

14:45 Overview from USA

A. Goldstone, Philadelphia

14:55 Competence Based Curriculum

15:15 Discussion

Organizers :

Residents



Thu 18 Oct
14:15 - 15:45

Analyzing survival and events during follow-up

Focus Session

Suite 5

Objectives :

1. How to produce a Kaplan-Meier analysis
2. Get familiar with alternatives to Kaplan-Meier survival analysis

14:15 Kaplan-Meier analysis

R. Osnabrugge, Rotterdam

14:30 Cox regression

F. Barili, Cuneo

14:45 Alternatives to the Cox model

M. Wyler Von Ballmoos, Milwaukee

15:00 Dealing with competing risks and composite endpoints

N. Freemantle, London

15:15 Hierarchical weighing of composites: a practical example

M. Milojevic, Rotterdam

15:30 Recurrent events modeling

G. Hickey, Liverpool

Organizers :

Research



 **Friday 19 October**

Fri 19 Oct
08:15 - 09:45

SAVR from bench to bedside

Abstract

Brown 2

Objectives :

Basic science

Surgical techniques

Long term outcomes

08:15 Fifteen Years Outcomes Following Bioprosthetic versus Mechanical Isolated Aortic Valve Replacement for Aortic Stenosis in Patients Aged 50 to 65 Years: The Andalusian Aortic Valve Multicentric Study (ANDALVALVE)

E. Rodriguez-Caulo, Malaga, D. Macías Rubio, Cadiz, A. Adsuar,, Sevilla, A. Ferreiro-Marzal, Granada, F.J. Arias Dachary, Cordoba, G. Parody Cuerda, Sevilla, F. Fernández-Sáenz, Málaga

09:00 Concomitant aortic root enlargement – an option for everyone?

J. Haunschild, Leipzig, S. Schamowski,, Leipzig, M. Mende,, Leipzig, K. Von Aspern, Leipzig, M. Misfeld, Leipzig, F.W. Mohr, Leipzig, M. Borger, Leipzig, C. Etz, Leipzig

09:15 The effect of surgical vs transcatheter aortic valve replacement on markers of endothelial function

M. Moscarelli, Lecce, F. Devito, Bari, K. Fattouch, Palermo, P. Lancellotti, Liege, M. Ciccone, Bari, A. Marchese, Bari, R. Paola, Lugo, G. Speziale, Bari

09:30 Long term survival after mechanical or tissue aortic valve replacement

M. Camero Alcázar, Madrid, E. Villagran, Madrid, J. Cobiella, Madrid, A. Alswies,, Madrid, B. Ramchandani., Madrid, J.L. Cristóbal Castañón, Madrid, B. Torres Maestro, Madrid, L. Maroto,, Madrid

Organizers :

Aortic



Fri 19 Oct
08:15 - 09:45

Repeat before you treat

Abstract

Amber 4

Objectives :

Education of surgeons to achieve progress in surgical techniques

08:30 Simple CABG simulation platform results in fast increase of technical surgical skills in residents and students

A. Martens, Hannover, W. Korte, Hannover, F. Kirchhoff, Hannover, J. Heimeshoff, Hannover, C. Merz, Hannover, M. Ricklefs, Hannover, A. Haverich, Hannover, M. Shrestha, Hannover

08:45 Planning and Training Reconstructive Mitral Valve Surgery on Replicated Patients' Mitral Valve Anatomy and Individualized Ring Annuloplasty

R. De Simone, Heidelberg, S. Engelhardt, Heidelberg, S. Sauerzapf, Heidelberg, I. Wolf, Heidelberg, M. Karck, Heidelberg

09:00 An Effective, Low-Cost Simulation Tool for Training of Aortic Valve Implantation

S. Asch, Göttingen, M. Leistner, Göttingen, A. Waghefi, Göttingen, S. Saha, Göttingen, H. Niehaus, Göttingen, H. Baraki, Göttingen, I. Kutschka, Göttingen

09:30 Simulation Training Rapidly Improves Learning Curves for Minimally Invasive Mitral Valve Surgery

A.F. Jebran, Goettingen, S. Saha, Goettingen, N. Waezi, Goettingen, A. Al Ahmad, Goettingen, H. Niehaus, Goettingen, B. Danner, Goettingen, H. Baraki, Goettingen, I. Kutschka, Goettingen

Fri 19 Oct
08:15 - 09:45

VAD Therapy: Problem or solution

Abstract

Amber 8

Objectives :

Managing pump thrombosis and valvular disease after VAD implantation

Ways to refine ventricular assist devices and implantation approaches

08:15 Impella 5.0 therapy as a bridge-to- decision option for patients with unclear neurological outcome on extracorporeal life support therapy

A. Bernhardt, Hamburg, S. Zpfel, Hamburg, S. Hakmi, Hamburg, B. Reiter, Hamburg, M. Barten, Hamburg, E. Lubos, Hamburg, D. Westermann, Hamburg, H. Reichenspumer, Hamburg

09:15 Aortic insufficiency in patients on continuous-flow left ventricular assist device with intermittent low speed mode

H. Kohno, Chiba City, G. Matsumiya, Chiba City, Y. Sawa, Suita, M. Ono, Tokyo, Y. Saiki, Sendai, A. Shiose, Higashi-ku, T. Nakatani, Osaka, S. Kyo, Tokyo

Organizers :

Heart Failure



Fri 19 Oct
08:15 - 09:45

Standard of care for P2 prolapse?

Focus Session

Brown 3

Moderator(s) : M. Borger, *Leipzig*

Panellist(s) : P. Svenarud, *Stockholm*, P. Suwalski, *Warsaw*, T. Folliguet, *Vandoeuvre les Nancy*

Objectives :

To define the standard of care for patients with the most common degenerative mitral valve lesion.

08:15 Longevity of MV repair - this is the best !

08:30 Resection techniques forever

J.I. Saez De Ibarra, *Palma De Mallorca*

08:45 Respect Neochordae !

L. Müller, *Innsbruck*

09:00 Transapical beating heart approaches

G. Gerosa, *Padova*

09:15 Mitraclip can do it - will it last ?

T. Noack, *Leipzig*

09:30 The most promising new tools for P2 prolapse

Organizers :

Mitral Valve Surgery



Fri 19 Oct
08:15 - 09:45

Heart transplantation

Focus Session

Brown 1

Moderator(s) : A. Amodeo, *Roma*, J. Gummert, *Bad Oeynhausen*

Panellist(s) : A. Fiene, *Oslo*, A. Ranasinghe, *Birmingham*

Objectives :

To understand the indications and limitations of conventional surgery and interventions in end stage heart failure patients

To get an update on donor organ and post transplantation care

08:15 Coronary intervention and aneurysmectomy in end stage heart failure

Y. Woo, Philadelphia

08:30 Mitral valve intervention in end stage heart failure

E. Girdauskas, Hamburg

08:45 Transplant, VAD and what else? End stage heart failure in GUCH

A. Hasan, Newcastle upon Tyne

09:00 Optimising the recipient (Immune sens)

09:15 Optimising the organ (organ care system)

F. De Robertis, London

09:30 Optimising post transplant care (Immunosuppressants)

Organizers :

Heart Failure



Fri 19 Oct
08:15 - 09:45

New developments in left main disease

Focus Session

Amber 1&2

Moderator(s) : N. Freemantle, *London*, F. Bakaeen, *Cleveland*

Panellist(s) : O. Bertrand, *Laval*, S. Femes, *Toronto*, D. Thuijs, *Rotterdam*

Objectives :

To answer to two main questions:

1. How does the new evidence on the treatment of left main disease impact our daily practice?
2. Is the evidence really solid?

08:15 What is new after Excel and Noble?

S. Femes, Toronto

08:30 What is the impact of the Syntax score in left main disease treatment?

S. Head, Rotterdam

08:45 Which graft and configuration for isolated left main disease

D. Glineur, Ottawa

09:00 Left main disease: How useful is IVUS or FFR for CABG?

09:15 Left main disease: The view of the interventional cardiologist

O. Bertrand, Laval

09:30 Wrap-up: The view of the statistician

N. Freemantle, London

Organizers :

Coronary Surgery



Fri 19 Oct
08:15 - 09:45

Residents - How to do it (video)

Focus Session

Amber 3

08:15 Hybrid AF ablation

08:30 Do not touch the Aorta: Coronary Revascularization

08:45 Transapical Chording

A. Colli, Padova

09:00 Left ventricular reconstruction

J. Holfeld, Innsbruck

09:15 Frozen Elephant Trunk Procedure

M. Czerny, Freiburg

09:30 Beyond simple transposition: aortic root translocation procedure

Organizers :

Residents

Fri 19 Oct
08:15 - 09:45

Mechanical Assist Devices, extracorporeal Support and LV remodeling matrices

Focus Session

Amber 7

Objectives :

It is known that patients undergoing CABG and VAD treatment have a manifest immune alteration and derangement of homeostasis parameters. In this session we will present novel data that signifies these alterations by simple interventions like continuous ventilation. Finally, novel concepts for LV remodelling surgery will be reviewed.

08:15 Immune suppression after LVAD and CPB

H.J. Ankersmit, Vienna

08:35 Continuous positive pressure ventilation during cardiopulmonary bypass

M. Dworschak, Vienna

08:55 Anticoagulation management and monitoring during ECMO. Utility of Thromboelastogram

M. Panigada, Milan

09:10 Von Willebrand's disease in mechanical pump support. Is it an acquired treatable condition to prevent bleeding

09:25 Decellularized polymers in left ventricular remodeling. It is all about the indications

Organizers :

Basic Science



Fri 19 Oct
08:15 - 09:45

A Journey in coronary artery bypass surgery

Rapid Response

Michelangelo

Objectives :

To learn how to optimise outcomes of CABG

08:23 Predictors of early vein graft failure after off-pump coronary bypass grafting

Y. Yang (Shanghai), Y. Zhu, H. Yao (Shanghai), Q. Zhao (Shanghai)

08:31 Impact of intra-operative assessment of Graft Patency by Transit Time Flow Measurement on requirement of post operative angiography and mortality in Coronary Artery Bypass Grafting

K. Sarkar, KOLKATA, S. Sardar, , A. Chakrabarty, KOLKATA, D. Chatterji, KOLKATA, A. Samal, KOLKATA

08:39 Open vs. Endovascular Approach for Radial Artery Harvesting: an Immunohistochemical and Functional Study

M. Gaudino, New York, L.B. Ohmes,, New York, J. Leonard, New York, A. Dilorenzo,, New York, N. Narula, New York, G.W. He,, Tianjin, L. Girardi, New York, R. Tranbaugh, New York

08:47 Real-life multi centric registry study on total arterial revascularization

C. Spadaccio, Glasgow, A. Nenna, Roma, M. Chello, Roma, F. Nappi, Saint-Denis, M. Pettinari, Genk, K. Shaikhrezai, Glasgow, N. Al Attar, Clydebank, F. Sutherland, Clydebank

08:55 Outcomes following coronary artery bypass surgery between insulin controlled diabetics, tablet controlled diabetics and non diabetic patients in a propensity matched analysis

Y. Haqzad, Sheffield, J. Hobkirk, Hull, P. Ariyaratnam, Heslington, M. Chaudhry, Cottingham, S. Carroll, Hull, M. Loubani, Cottingham

09:11 Mobilization into the blood of hematopoietic and progenitor stem cells in patients after coronary artery bypass grafting with cardiopulmonary bypass use

A.R. Kowalówka, Katowice, R. Bachowski, Katowice, W. Wojakowski, Katowice, M.A. Deja, Katowice

09:19 Lung transplantation and significant coronary artery disease: results from a single-center experience

F. Ius, Hannover, T. Siemieni, Hannover, J. Salman, Hannover, W. Sommer, Hannover, C. Kuehn, Hannover, A. Haverich, Hannover, G. Wamecke, Hannover, I. Tudorache, Hannover

Organizers :

Coronary Surgery



Fri 19 Oct
08:15 - 11:30

How to become a hybrid surgeon

Professional Challenge

Auditorium

Objectives :

Learn how to get involved in an active transcatheter programme.
Understand the importance of becoming a hybrid surgeon.

08:15 The scope of catheter based technologies: Why should I become a hybrid surgeon?

M.O. Zembala, Katowice

08:25 How to acquire imaging and wire skills - with LiB

08:40 TAVI for surgeons - with LiB

T. Walther, Frankfurt

08:55 Mitral and tricuspid interventions for surgeons - with LiB

09:10 Aortic interventions for surgeons - with LiB

B. Rylski, Freiburg

09:25 Discussion

09:40 BREAK

10:10 TAVI training: Live-in-a-box case

J. Kempfert, Berlin, A. Meyer, Berlin

10:25 "Surgeons can do it alone"

R. Lange, Munich

10:30 "Cardiologists are in the lead"

10:35 "The heart team is the way to go"

10:40 Lessons learned from the vascular field

10:45 Panel Discussion

Organizers :

Transcatheter



Fri 19 Oct
10:00 - 11:30

Surgery for functional mitral regurgitation: potential for improvements!

Brown 1

Abstract

Objectives :

This session is focused on functional mitral regurgitation. The learning objectives are to identify predictors mitral repair failure, to improve the surgical techniques with sub-annular approaches and to define the prosthesis of choice in case of valve replacement.

10:00 Late predictors of mitral regurgitation recurrence after surgery for functional mitral regurgitation in ischemic heart failure: fix the left ventricle to improve mitral valve repair durability

A. Garatti, San Donato Milanese, S. Castelvechio, San Donato Milanese, A. Canziani, San Donato Milanese, A. Parolari, Milan, E. Mossuto, San Donato Milanese, A. Abu Farah, San Donato Milanese, C. De Vincentiis, San Donato Milanese, L. Menicanti, San Donato Milanese

10:30 Three-Dimensional Analysis of Mitral Valve Structure to Predict Moderate Ischemic Mitral Regurgitation Improvement following Off-pump Coronary Artery Bypass

X Sun, Shanghai, Y. Wang, Shanghai, G. Huang, Shanghai

10:45 Dynamic Changes of Mitral Valve Annulus and Leaflets in Patients with Primary and Secondary Mitral Regurgitation: Implications for Mitral Valve Repair

T. Noack, Leipzig, M. Janietz., Leipzig, P. Kiefer, Leipzig, F. Sieg, Leipzig, M. Marin Cuartas, Leipzig, D. Holzhey, Leipzig, M. Borger., Leipzig, J. Seeburger, Leipzig

11:00 Isolated Mitral Valve Repair in Patients with Reduced Left Ventricular Function

M. Marin Cuartas, Leipzig, T. Noack., Leipzig, F. Sieg, Leipzig, D. Holzhey, Leipzig, M. Misfeld, Leipzig, P. Davierwala, Leipzig, J. Seeburger, Leipzig, M. Borger, Leipzig

11:15 What is the Prosthesis Type of Choice during Mitral Valve Replacement for Severe Ischemic Mitral Regurgitation? 15 years follow-up

S. Mohammadi, Quebec City, F. Dagenais, Quebec City, M. Marzouk., Quebec City, P. Voisine, Quebec, E. Dumont, Quebec City, M. Hlal, Ville de Québec, J. Nader, Quebec City, D. Kalavrouziotis, Ville de Québec

Organizers :

Mitral Valve Surgery



Fri 19 Oct
10:00 - 11:30

Second conduit: choices beside RITA

Abstract

Amber 3

Objectives :

to learn how to use the different types of arterial and venous conduits for CABG

10:00 How do Surgeons Decide? Conduit Choice in Coronary Artery Bypass Graft Surgery in the United Kingdom

S. Jayakumar, London, M. Gasparini, London, C.T.R.C. Ctrc, London, T. Treasure, London, C. Burdett, Cambridge

10:15 Operative Outcomes of Bilateral Internal Thoracic Artery versus Left Internal Thoracic Artery/Radial Artery Multi-Arterial Coronary Artery Bypass Grafting: Report from the STS Database

T. Schwann, Toledo, R. Habib, Chicago, P. Kurlansky, New York, D. Shahian, Boston, M. Gaudino, New York, A. Wallace, Durham, M. Engoren, Ann Arbor, R. Tranbaugh, New York

10:30 Mid-term patency and clinical outcomes of radial artery versus saphenous vein as composite graft after off pump coronary artery bypass

D.J. Kim, Seoul, S.H. Lee, Seoul, H.C. Joo, Seoul, S. Lee, Seoul, K.J. Yoo, Seoul, Y.N. Youn, Seoul

10:45 Long-Term Patency of Gastroepiploic artery Bypass Grafts : predictors of the graft patency

S. Akita, Nagoya, K. Tajima, Nagoya, W. Kato, Nagoya, K. Tanaka, Nagoya, M. Kozakai, Nagoya, T. Yazawa, Nagoya, R. Yamamoto, Nagoya, Y. Goto, Nagoya

11:00 Long-term angiographic comparison between internal mammary artery, radial artery and saphenous vein in patients with all three conduits

A. Royse, Parkville, W. Pamment, Parkville, D. Eccleston, Parkville, A. Ajani, Parkville, Z. Pawanis, Surabaya, A. Brennan, Melbourne, W. Wilson, Parkville, C. Royse, Parkville

Organizers :

Coronary Surgery



Fri 19 Oct
10:00 - 11:30

New Strategies to reduce bleeding beyond prolepe

Abstract

Amber 4

Moderator(s) : A. Jeppsson, *Gothenburg*

Panellist(s) : M. Milojevic, *Rotterdam*, M. Ranucci, *San Donato Milanese*, G. Trummer, *Freiburg*

Objectives :

Pathophysiology of coagulation disorders; identification of risk factors for bleeding; improved knowledge for bleeding control

10:00 Preoperative atorvastatin reduces bleeding and blood products use in patients undergoing elective isolated aortic valve replacement

A. Nenna, Roma, C. Spadaccio, Glasgow, F. Nappi, Saint-Denis, U. Satriano, Roma, S.M. Greco, Roma, M. Lusini, Roma, C. Mastroianni, Roma, M. Chello, Roma

10:15 Reduced mediastinal bleeding, return to theatre rate and transfusion of blood products following implementation of a novel 'haemostasis checklist'

J. Ali, Papworth Everard, C. Gerrard, Papworth Everard, J. Clayton, Papworth Everard, N. Moorjani, Papworth Everard

10:45 Impact of intraoperative autologous blood transfusion volume on in-hospital morbidity and mortality

V. Ntinopoulos, Zurich, O. Dzemali, Zurich, H. Loeblein, Zurich, D. Odavic, Zurich, A. Haeussler, Zurich, M. Gruszczynski, Zurich, A. Zientara, Zurich, M. Genoni, Zurich

11:00 Preoperative dual antiplatelet therapy increases bleeding and transfusions but not mortality in acute aortic dissection type A repair

E.C. Hansson, Gothenburg, A. Geirsson, Yale, J. Gunn, Turku, A. Mennander, Tampere, C. Olsson, Stockholm, I. Zindovic, Lund, T. Gudbjartsson, Reykjavik, A. Jeppsson, Goteborg

11:15 Main messages on 2017 EACTS/EACTA on patient blood management

H.B. Ravn, Aarhus



Fri 19 Oct
10:00 - 11:30

New data in atrial fibrillation ablation

Abstract

Amber 8

Objectives :

This session will focus on the new findings in the outcome of atrial fibrillation ablation and left atrial appendage exclusion

10:00 Long-term outcomes of Cox-Maze IV surgery for lone persistent and long-standing persistent atrial fibrillation

E. Lapenna, Milan, M. De Bonis, Milan, I. Giambuzzi, Milan, B. Del Forno, Milan, G. Iaci, Milan, S. Ruggeri, Milan, O. Alfieri, Milan, S. Benussi, Zurich

10:30 Preoperative Evaluation of Left Atrial Remodelling is a Key for Successful CryoMaze Procedure

T. Kakuta, Osaka, T. Fujita, Osaka, S. Fukushima, Osaka, Y. Shimahara, Osaka, K. Yamashita, Osaka, Y. Matsumoto, Osaka, N. Kawamoto, Osaka, K. Junjiro, Osaka

10:45 Atrial contractile dysfunction after Maze surgery

H. Kohno, Chiba City,, H. Ueda, Chiba City,, K. Matsuura, Chiba City,, M. Watanabe, Chiba City,, Y. Enomoto, Chiba City,, G. Matsumiya, Chiba City,

11:00 Hybrid versus catheter ablation in patients with (longstanding) persistent atrial fibrillation: a systematic review and meta-analysis

C. Van Der Heijden, Maastricht, M. Vroomen, Maastricht, R. Vos, Maastricht, M. La Meir, Maastricht, L. Pison, Maastricht, B. Maesen, Maastricht

Organizers :

Arrhythmia



Fri 19 Oct
10:00 - 11:30

Choosing the best valve sparing technique and how they compare with Bentalls

Brown 3

Focus Session

Moderator(s) : H.J. Schäfers, *Homburg/Saar*

Panellist(s) : M. Shrestha, *Hannover*, M. Jahangiri, *London*, G. Melina, *Roma*

Objectives :

Being up date on current Aortic valve sparing recommendations and long terms results

10:00 Debate on valve sparing : Why do I choose Reimplantation?

R. De Paulis, Rome

10:10 Why do I choose Remodelling with aortic annuloplasty?

E. Lansac, Paris

10:20 Discussion

10:25 Valve sparing for bicuspid and tricuspid valve : are the long term results similar?

L. De Kerchove, Woluwe-Saint-Lambert

10:40 Valve sparing versus mechanical Bentall : what is the evidence?

J.J. Takkenberg, Rotterdam

10:50 Valve sparing versus bio bentall Bentall : what is the evidence?

M. Borger, Leipzig

11:00 Discussion

11:05 Need to report long term patient outcomes : the AVIATOR registry

J. Kluin, Amsterdam

11:20 A new bioBentall conduit

M. Shrestha, Hannover

Organizers :

Aortic



Fri 19 Oct
10:00 - 11:30

Is less more? Hybrid and minimally invasive coronary revascularisation

Amber 1&2

Focus Session

Objectives :

To learn the indications and procedural aspects of hybrid CABG and to evaluate the role of minimally invasive and robotic CABG in the current era

10:00 Hybrid coronary revascularisation - why and for whom

N. Bonaros, Innsbruck

10:15 The hybrid trial

10:30 5 year follow-up of hybrid revascularisation

T. Hrapkowicz, Zabrze

10:45 Minimally invasive coronary revascularisation

P. Davierwala, Leipzig

11:00 Training young surgeons in minimally invasive coronary revascularisation

G. Torregrossa, New York City

11:15 Robotic coronary artery bypass graft: Are you still there?

N. Patel, New York

Organizers :

Coronary Surgery



Fri 19 Oct
10:00 - 11:30

Mechanical Circulatory Support (VAD)

Focus Session

Brown 2

Moderator(s) : G. Faerber, *Jena*, M. Ozbaran, *Izmir*

Panellist(s) : F. Gustafsson, *Copenhagen*, G. Gerosa, *Padova*

Objectives :

To learn about the management of VAD systems

To illustrate the concepts for weaning and transplant after VAD

10:00 Transplanting the VAD patient: tips & tricks

U. Boeken, Düsseldorf

10:15 The secret science of anti-coagulation treatment

I. Netuka, Prague

10:30 Weaning the VAD patient plug and play - live-in-a-box

E. Potapov, Berlin

10:45 Zero complications after VAD - is it possible?

A. Loforte, Bologna

11:00 Are all pumps the same?

D. Zimpfer, Vienna

11:15 Percutaneous VAD ready for prime time?

B. Meyns, Leuven

11:30 EUROMACS

T. De By, Berlin

Organizers :

Heart Failure



Fri 19 Oct
10:00 - 11:30

Infections and malignancy in cardiac surgery

Rapid Response

Michelangelo

Objectives :

Learn how to approach and manage wound infections in cardiac surgery
Evolution of the treatment of cardiac malignancies

10:16 Intracardiac masses: protocol evolution over 15 years in a high volume referral center

M. Saccocci, Milano, S. Corona, Milano, G. Ricciardi, Milano, P. Ilaria, Milano, M. Zanobini, Milano, M. Pepi, Milano, F. Alamanni, Milano

10:24 Does Routine Use of Negative Pressure Wound Therapy Prevent Surgical Site Infection In Obese Patients Undergoing Cardiac Surgery?

N. Saran, Rochester, J. Dearani, Rochester, H. Schaff, Rochester, K. Greason, Rochester, A. Pochettino, Rochester, J. Stulak, Rochester, R. Daly, Rochester, S. Said, Rochester

10:32 Retrospective Analysis and Economic Assessment of the Photo at Discharge Scheme and Readmission for Cardiac Surgical Site Infection

M. Rochon, London, C. Morais, London, S. Bhudia, Harefield, B. Mahesh, Harefield, U. Stock, Harefield, F. De Robertis, Harefield, S. Raja, Harefield, T. Bahrami, London

11:04 Open chest management - current and potential predictors of mortality

T. Tinrui, Belfast, J. Verghese, Belfast, M. Salmasi, London, H. Parissis, Belfast

Fri 19 Oct
11:45 - 12:45

Settling the on vs off pump debate

Abstract

Brown 3

Objectives :

To learn the indications and contraindications and the technical pitfalls of off pump CABG

11:45 Minimally invasive approaches to coronary revascularization of left main and left anterior descending disease: a network meta-analysis

K. Woldendorp, Sydney, B. Indja, Sydney, P. Bannon, Sydney, M. Wilson, Sydney, M. Vallety, Sydney

12:15 Early silent graft failure in off-pump coronary artery bypass grafting: A computed tomography analysis before discharge

A. Zientara, Zurich, L. Rings, Zurich, O. Dzemali, Zurich, H. Bruijnen, Augsburg, D. Odavic, Zurich, A. Häussler, Zurich, M. Gruszczynski, Zurich, M. Genoni, Zurich

Organizers :

Coronary Surgery



Fri 19 Oct
11:45 - 12:45

**Regenerative medicine hypoxia preconditioning and inflammation
translation from bench to clinical practice**

Brown 1

Abstract

Objectives :

Update on state of the art on regenerative approaches in cardiac surgery.

Effects of ischemic preconditioning on cardiac injury

11:45 The effects of methane on the large animal model of systemic inflammation response after extracorporeal circulation

G. Bari, Szeged, É. D., Szeged, V. Gabriella, Szeged, S. Sz., Szeged, G. Bogats, Szeged

12:00 A two-centre randomised controlled trial investigating the effect of remote ischemic preconditioning (RIPC) on cardiac injury and energetics, and inflammatory markers in patients undergoing isolated CABG and AVR

M. Moscarelli, Lecce, F. Fiorentino, London, R. Barnaby, Bristol, C. Emanuelli, Bristol, P. Punjabi, London, S. Suleiman, Bristol, G.D. Angelini, Bristol

12:15 The effect of hypoxic preconditioned cardiosphere derived cell sheet therapy on old myocardial infarction using a rabbit model

A. Fujita, Ube, K. Ueno, Ube, Y. Matsuno, Ube, T. Nakamura, Ube, H. Kurazumi, Ube, R. Suzuki, Ube, A. Mikamo, Ube, K. Hamano, Ube

Fri 19 Oct
11:45 - 12:45

Tips and tricks to optimise your endocarditis practice

Brown 2

Abstract

Objectives :

After this session you will become familiar with different techniques to treat complex endocarditis

12:00 Fluorescence in situ hybridization for identification and visualization of microorganisms in infected heart valve tissue as addition to standard diagnostic tests improves diagnosis of endocarditis

S. Eichinger, Munich, A. Moter, Berlin, J. Kikhney, Berlin, A. Wießner, Berlin, W. Eichinger, Munich

12:15 Juxta-annular prosthetic mitral valve implantation with right atrial anchoring in infective endocarditis with extensive anterior annular destruction

H. El Beyrouti, Mainz, N. Halloum, Mainz, M. Oberhoffer, Mainz, A. Komberger, Mainz, A. Beiras-Fernandez, Mainz, C.F. Vahl, Mainz

12:30 Outcomes of Mitral Valve Repair in Endocarditis

R. Bilkhu, London, P. Gukop, London, O. Valencia, London, R. Sharma, London, R. Kanagasabay, London, M. Sarsam, London, V. Chandrasekaran, London



Fri 19 Oct
11:45 - 12:45

TAVI registries: Outcomes, impact and access in different countries

Amber 5

Focus Session

Objectives :

Sharing recent data from several established national TAVI registries

11:45 TAVR Results, Trends, and Adoption in the US (2018): A Report from the STS/ACC TVT Steering Committee Chairman

12:00 GARY registry: Patient profiles, evolving technologies and impact on SAVR over time

12:15 UK TAVI registry: Comparison of TAVI and SAVR long term outcomes

12:30 France TAVI registry: Access to treatment by geographic area

T. Modine, Lille

Fri 19 Oct
11:45 - 12:45

PCI: Friend and foe

Rapid Response

Michelangelo

Objectives :

To learn how to integrate and compete with percutaneous techniques

12:01 10-year follow-up of minimally invasive direct coronary artery bypass vs first generation drug-eluting stents for left anterior descending artery disease

G. Aphram, Avenue Hippocrate, Woluwe-Saint-Lambert,, D. Glineur, Ottawa, S. Papadatos, Namur, S. Mastrobuoni, Woluwe-Saint-Lambert, L. De Kerchove, Woluwe-Saint-Lambert, G. El Khoury, Woluwe-Saint-Lambert, P.Y. Etienne, Namur

12:25 Long-term outcomes after complete versus incomplete surgical revascularization of the right coronary artery in multivessel disease patients

A. Colli, Padova, P. Cappellesso, Padova, S. Giammarino, Padova, P. Taffarello, Padova, L. Besola, Padova, E. Bizzotto, Padova, A. Fiocco, Padova, G. Gerosa, Padova

Organizers :

Coronary Surgery



Fri 19 Oct
11:45 - 12:45

Optimizing Outcomes of ECLS Therapy

Rapid Response

Amber 4

Objectives :

Indications for ECLS Therapy

To learn about timing of ECLS implantation

11:45 Perioperative extracorporeal membrane oxygenation-based protocol for acute embolectomy after massive pulmonary embolism

F. Ius, Hannover, C. Fegbeutel, Hannover, C. Kuehn, Hannover, G. Warnecke, Hannover, I. Tudorache, Hannover, M. Hoeper, Hannover, A. Haverich, Hannover, S. Cebotari, Hannover

11:53 Mouse model of ECMO as an effective microsurgical tool in the study of end-stage lung and heart diseases

N. Madrahimov, Hannover, A. Khalikov,, Hannover, R. Natanov, Hannover, F. Gueler, Hannover, K. Hoeffler, Hannover, C. Kuehn, Hannover, U. Maus, Hannover, A. Haverich, Hannover

12:01 Ten-year experience of extracorporeal cardiopulmonary resuscitation for out-of-hospital cardiac arrest – A comparison with that for in-hospital cardiac arrest

C.H. Wang, Taipei city, Y.S. Chen, Taipei, H.Y. Yu, Taipei, N.H. Chi, Taipei city, S. Huang, Taipei

12:09 Immediate Myocardial Reperfusion is Part of Extracorporeal Life Support Therapy

A. Nemeth, Tübingen, P. Klumm, Tübingen, T. Krüger,, Tübingen, H. Magunia, Tübingen, P. Seizer,, Tübingen, C. Schlensak, Tübingen

12:17 Central vs. Peripheral cannulation approach for postcardiotomy VA-ECMO; does the cannulation technique influence the outcome?

N. Kalampokas, Düsseldorf, N.F. Sipahi, Düsseldorf, U. Boeken, Düsseldorf, A. Albert, Düsseldorf, P. Akhyari, Düsseldorf, R. Westenfeld, Düsseldorf, A. Lichtenberg, Düsseldorf, D. Saeed, Düsseldorf

12:25 Improved outcomes with Prophylactic Extracorporeal Membrane Oxygenation Initiation after Cardiovascular Surgery

P. Tuo (Najing), G. Min (Nanjing), W. Dongjin (Nanjing)

Organizers :

Heart Failure



Fri 19 Oct
13:00 - 14:30

ECMO/ECLS

Focus Session

Brown 2

Objectives :

Device selection in cardiogenic shock
timing of intervention
teach approach in ECMO/ECLS

13:00 Cardiogenic shock in the cath lab

13:15 Randomised trials in ECPR

13:30 State of the art in pediatric ECMO/ECLS

A. Amodeo, Roma

13:45 Post pump failure IAPP vs ECLS

14:00 Is pumpless ECMO still an option in lung failure

T. Müller, Regensburg

14:15 Weaning or termination of ECLS

C. Starck, Berlin

Organizers :

Perfusion



Fri 19 Oct
13:00 - 14:30

Dusk or dawn for SAVR?

Rapid Response

Michelangelo

Moderator(s) : G. Fontana, *New York*, M. Arsalan, *Frankfurt*

Objectives :

To learn about the latest developments in SAVR including sutureless valves

13:24 One-year follow up of conduction disorders after rapid-deployment aortic valve replacement

A. D'Onofrio, Padova, C. Tessari, Padova, L. Bagozzi, Padova, G. Cibir, Padua, R. Pesce, Padova, A. Francescato, Padua, G. Gerosa, Padova

13:48 Rapid-Deployment Aortic Valve in Patients with Small Aortic Root

I. Coti, Vienna, I. Damian, Vienna, S. Shabaniyan, Vienna, P. Werner, Vienna, A. Kocher, Vienna, R. Rosenhek, Vienna, G. Laufer, Vienna, M. Andreas, Vienna

13:56 Aortic Valve Replacement and Mismatch: Does Design of Valve Influence Outcomes?

S. Poddi, Rochester, L. Anwer, Chicago, R. Daly, Rochester, H. Schaff, Rochester, K. Greason, Rochester, C. Day, Rochester, J. Stulak, Rochester, S. Maltais, Rochester

14:04 Comparison of early haemodynamics and clinical outcomes of three variants of aortic valve replacement in patients with a small aortic annulus

E. Rosseikin, Penza, E. Kobzev, Penza, V. Bazylev, Penza

Organizers :

Aortic

Fri 19 Oct
13:00 - 16:15

VAD Co-Ordinators

Focus Session

Amber 3

Fri 19 Oct
13:00 - 16:15

Interventional Therapies

Techno College

Auditorium

Organizers :



Fri 19 Oct
14:45 - 16:15

The new kid in town

Abstract

Amber 5

Objectives :

Importance of frailty, frailty scores, preoperative optimisation of frail patients

14:45 Frailty and American College of Surgeons National Surgical Quality Improvement Program Risk Calculator (ACS-NSQIP) in Cardiac Surgery

M.U. Rafiq, Papworth Everard, M. Screamon, Papworth Everard, M. Gilhooly, Papworth Everard, D. Jenkins, Papworth Everard, M. Berman, Papworth Everard

15:00 Frailty, disability and comorbidity: different domains lead to different effects after surgical aortic valve replacement in the elderly

M. Piñón, Vigo, C. Rodríguez-Pascual, Brayford Pool, E. Paredes, Vigo, D. Molina, Vigo, B. Acuña, Vigo, E. Casquero, Vigo, J.J. Legarra, Vigo, G. Pradas, Vigo

15:15 Clinical Significance of Prognostic Nutritional Index after Cardiovascular Surgery

J. Hayashi, Hidaka city, H. Nakajima, Saitama, S. Ri, Yamagata, T. Uchida, Yamagata, M. Sadahiro, Yamagata

Fri 19 Oct
14:45 - 16:15

Optimised perfusion

Focus Session

Brown 2

Objectives :

Minimised circuits

Neurological outcomes in perfusion

14:45 MIECC - when and how

T. Carrel, Berne

15:00 Trials in MIECC

A. El-Essawi, Braunschweig

15:15 Is MIECC cost effective

K. Anastasiadis, Thessaloniki

15:30 Perfusion strategies to avoid delirium

S. Svenmarker, Umeå

15:45 Neuroprotection in aortic surgery

16:00 Perfusion aspects in minimal invasive surgery

M. Murzi, Massa

Organizers :

Perfusion



Fri 19 Oct
14:45 - 16:15

New solutions in mitral repair: come and see!

Rapid Response

Michelangelo

Moderator(s) : S. Benussi, Zurich, A. Garatti, San Donato Milanese

Objectives :

New strategies for the treatment of mitral regurgitation will be presented in this session. The focus will be on innovative devices and techniques as well as on optimization of minimally invasive programs.

14:53 A Team Approach to Complex Robotic Mitral Valve Repair

D. Loulmet, New York, N. Ranganath, New York, P. Neuburger, New York, R. Nampiaparampil, New York, J. Jiang, New York, A. Galloway, New York, E. Grossi, New York

15:01 Learning Curve of Totally Endoscopic Non Rib-Spreading Mitral Valve Surgery

G. Bianchi, Massa, R. Margaryan, Massa, M. Solinas, Massa

15:25 Mitral Valve Repair through nonresectional posterior leaflet remodeling

A. Anselmi, Rennes, A. Agnino, Bergamo

15:33 Evolution of perioperative outcome in minimally invasive mitral valve surgery - A single center experience of 4382 patients

M. Martin, Leipzig, A. Verevkin, Leipzig, P. Davierwala, Leipzig, B. Pfanmüller, Leipzig, D. Holzhey, Leipzig, J. Seeburger, Leipzig, F. Mohr, Leipzig, M. Borger, Leipzig

Organizers :

Mitral Valve Surgery

Fri 19 Oct
16:30 - 18:00

"Cold" Topics in Heart Transplantation

Abstract

Amber 7

Objectives :

How to increase the pool of donors for heart transplantation
To understand the benefits of organ perfusion systems
How to improve tolerance to ischemia

16:45 Donor Heart Preservation with A Novel Long-Term and Slow-Releasing Hydrogen Sulfide System

X Sun, Shanghai, Y. Wang, Shanghai, L. Pang (Shanghai)

17:30 Initial cardiac wall thickness predicts a fulminant course of acute myocarditis

G.S. Kim, Gwangju, K. Eunhong, Gwangju, K.J. Na, Gwangju, S.Y. Song, Gwangju, B.S. Oh, Gwangju, B.H. Ahn, Gwangju, S.G. Oh, Gwangju, I.S. Jeong, Gwangju

17:45 Breakthrough in cardiac xenotransplantation: Worldwide first long-term survival (up to 90 days) after orthotopic xenotransplantation of multi-transgenic pig hearts into baboons using costimulation blockade and non-ischemic cardioplegia

P. Brenner, Munich, B. Reichart, Munich, T. Mayr, Munich, L. Matthias, München, E. Wolf, Munich, C. Hagl, Munich, S. Steen, Lund, A. Jan-Michael, München

Organizers :

Heart Failure



Fri 19 Oct
16:30 - 18:00

Endocarditis: a battle in different directions

Abstract

Amber 8

Objectives :

Various aspects of valve involvement and treatment options are discussed

17:00 Timing of Surgery for Infective Endocarditis Complicated with Disseminated Intravascular Coagulation

J. Yokoyama, Osaka, Suita, D. Yoshioka, Osaka, Suita, K. Toda, Osaka, Suita, S. Miyagawa, Osaka, Suita, M. Ryohei, Osaka, Suita, T. Samura, Osaka, Suita, K. Suzuki, Osaka, Suita, Y. Sawa, Osaka, Suita

17:15 Surgical results for active endocarditis with refractory cardiogenic shock

D. Yoshioka, Suita, K. Toda, Osaka, J. Yokoyama, Suita, T. Samura, Suita, S. Miyagawa, Osaka, Y. Yoshikawa, Osaka, H. Hata, Suita, Y. Sawa, Suita

17:30 Valve selection in younger patients with infective endocarditis. Bioprosthetic or Mechanical valve? ~ analysis of propensity match~

J. Yokoyama, Osaka, Suita, D. Yoshioka, Osaka, Suita, K. Toda, Osaka, Suita, S. Miyagawa, Osaka, Suita, M. Ryohei, Osaka, Suita, K. Suzuki, Osaka, Suita, T. Samura, Osaka, Suita, Y. Sawa, Osaka, Suita



Fri 19 Oct
16:30 - 18:00

Progress in TEVAR/EVAR

Focus Session

Auditorium

Moderator(s) : B. Rylski, *Freiburg*, E. Roselli, *Cleveland*

Panellist(s) : N. Kimura, *Saitama*, S. Ronchey, *Rome*, K.H. Park, *Seongnam*

Objectives :

To learn about latest techniques in primary and redo aortic repair

16:30 Open fix of endovascular failure

M.A. Schepens, *Brugge*

16:45 Disappointing results of total aortic arch debranching

M. Grabenwöger, *Vienna*

17:00 Endovascular arch repair ready for daily routine

M. Lescan, *Tübingen*

17:15 Fenestrated and branched technology for TAAA - a new gold standard

17:30 Long term outcomes of open surgery and stent graft treatment in patients undergoing redo thoracic aortic aneurysm repair

D. Hori, *Saitama*, Y. Nomura, *Saitama*, S. Kusadokoro, *Saitama*, H. Furuhashi, *Saitama*, N. Kimura, *Saitama*, K. Yuri, *Saitama*, H. Matsumoto, *Saitama*, A. Yamaguchi, *Saitama*

17:45 The consequence of aortic arch morphometric perturbation: Tracing type 1A endoleak after zone 1 and 2 thoracic endo-vascular aortic repair

S.Y. Lee, *Seoul*, S.W. Song, *Seoul*, W. Heo, *Seoul*, T.H. Kim, *Seoul*, K.H. Lee, *Seoul*, K.J. Yoo, *Seoul*

Organizers :

Transcatheter



Fri 19 Oct
16:30 - 18:00

From basics to challenges in mitral valve surgery

Focus Session

Brown 3

Objectives :

To learn about therapeutic options for complex mitral valve disease

16:30 Repair for Rheumatic MV disease +video

T. Chotivatanapong, Nonthaburi

16:45 Treatment for Barlow disease +video

P. Perier, Bad Neustadt/Saale

17:00 How to deal with the mitral valve in HOCM +video

D. Swistel, New York

17:15 Endocarditis - repair or replace +video

C. Mestres, Zürich

17:30 Mitral annular calcification - therapeutic options +video

V. Bapat, London

17:45 Redo mitral valve surgery - tips and tricks

L. De Kerchove, Woluwe-Saint-Lambert

Organizers :

Mitral Valve Surgery



Fri 19 Oct
16:30 - 18:00

Aortic valve and root infection

Focus Session

Brown 1

Moderator(s) : E. Savage, *Weston*

Panellist(s) : G. Esposito, *Bergamo*, E. Coscioni, *Salerno*, J. Braun, *Leiden*

16:30 Factors influencing a timely surgical approach

C. Mestres, *Zürich*

16:45 Imaging: Evaluating the extent of infection

M. Sitges, *Barcelona*

17:00 Dealing with an infected root prosthesis (Bentall, VSSR)

P. Urbanski, *Bad Neustadt*

17:15 Aortic valve and mitral curtain infection: the commando operation

E. Quintana, *Barcelona*

17:30 Endocarditis in transcatheter aortic valve implantation

M. Misfeld, *Leipzig*

17:45 Urgent valve surgery improves clinical results in endocarditis patients with acute cerebral infarction

T. Samura, *Suita*, D. Yoshioka, *Suita*, K. Toda, *Suita*, S. Miyagawa, *Suita*, Y. Yoshikawa, *Suita*, H. Hata, *Suita*, S. Kainuma, *Suita*, Y. Sawa, *Suita*

Organizers :

Aortic



Fri 19 Oct
16:30 - 18:00

Key technical points in coronary surgery

Focus Session

Amber 1&2

Objectives :

Review most important technical aspects in coronary surgery. All presentations will be accompanied by videos

16:30 Patients selection for multi arterial CABG. Fit the operation to the patient (not the opposite ..)

T. Schwann, Toledo

16:45 How to use the radial artery

R. Tranbaugh, New York

17:00 How to use bilateral ITAs

E. Ruttman-Ulmer, Innsbruck

17:15 Tips and tricks in OPCABG

T. Asai, Otsu

17:30 External stents and no-touch technique: making the SV great again

S. Femes, Toronto

17:45 How to teach complex arterial grafting

A. Boening, Giessen

Organizers :

Coronary Surgery



Fri 19 Oct
16:30 - 18:00

Ventricular Assist Devices

Focus Session

Brown 2

Objectives :

Surveillance in VAD
Evolution of technology

16:30 Early detection of thrombus formation

F. Kaufmann, Berlin

16:45 Data management of VAD systems

17:00 Emerging technologies

P. Leprince, Paris

17:15 VAD in children

J. Sliwka, Zabrze

17:30 An update on heater cooler related infection

Organizers :

Perfusion

Fri 19 Oct
16:30 - 18:00

The role of the cardiac surgeon during lead extraction

Focus Session

Amber 5

Objectives :

Necessity to be co-leaderate lead extraction procedures.

16:30 Lead extraction complications: Ventricular perforation, SVC tear and subclavian veins

S. Hakmi, Hamburg

16:45 Strategies of life-saving concepts in lead extraction

E. Sandoval, Barcelona

17:00 The heart team in lead extraction from the cardiologist's view.

F. Bracke, Eindhoven

17:15 The heart team in lead extraction from the cardiac surgeon's view

B. Osswald, Düsseldorf

Organizers :

Arrhythmia



Fri 19 Oct
16:30 - 18:00

Challenges in mitral surgery

Rapid Response

Michelangelo

Objectives :

Focusing on challenging scenarios in terms of mitral pathology, surgical complications and solutions

16:30 Dehiscence of Surgical Annuloplasty Rings and Bands After Mitral Valve Repair: Incidence, Localisation and Clinical Outcome After Redo Surgery

T. Noack, Leipzig, P. Kiefer, Leipzig, F. Sieg, Leipzig, M. Marin Cuartas, Leipzig, D. Holzhey, Leipzig, M. Misfeld, Leipzig, J. Seeburger, Leipzig, M. Borger,, Leipzig

16:46 Mitral Valve Replacement after Mitraclip Failure

M. Helder, Rochester, H. Schaff, Rochester, B. Lahr, Rochester, R. Daly, Rochester, A. Pochettino, Rochester, S. Said, Rochester, S. Maltais, Rochester, S. Cicek, Rochester

16:54 Early echocardiographic results of transapical off-pump mitral valve repair with NeoChord DS 1000 device in patients with severe mitral regurgitation due to posterior leaflet prolapse

K. Wrobel, Warszawa, K. Kumicka,, Warsaw, M. Zygier, Warszawa, W. Dyk, Warszawa, R. Wojdyga, Warszawa, D. Zielinski, Warszawa, Z. Juraszynski, Warszawa, P. Pruszczyk, Warsaw

17:02 3-dimensional vs 2-dimensional endoscope for totally endoscopic mitral valve surgery: a propensity-matched comparison

I. Toshiaki, Nagoya, M. Tokoro, Nagoya

Organizers :

Mitral Valve Surgery



 Friday 19 October

Fri 19 Oct
08:15 - 09:45

Congenital Miscellaneous

Abstract

Botticelli

Objectives :

Perioperative management in CHD

08:15 The Bayley-III Scale May Underestimate Neurodevelopmental Disability After Cardiac Surgery in Infants

A. Goldstone, Philadelphia, M. Baiocchi, Stanford, D. Wypij, Boston, C. Stopp, Boston, J. Newburger, Boston, J.W. Gaynor, Philadelphia, I. Iacono, Philadelphia

08:30 Assessment of pulmonary blood flow with intra-operative transesophageal echocardiography during palliative procedure -Velocity time integral of pulmonary vein-

S. Shiraishi, Niigata city, T. Masashi, Niigata city, S. Ai, Niigata city, T. Masanori, Niigata city

09:00 Early extubation strategy improved outcomes following extracardiac total cavopulmonary connection

M. Ono, Munich, S. Georgiev, Munich, M. Burri, Munich, B. Mayr, Munich, E. Beran, Munich, J. Cleuziou, Munich, R. Lange, Munich

09:15 The influence of leukocyte-depleting filters in the arteriovenous modified ultrafiltration circuit for infants undergoing cardiac operations

S. Yamagishi, Saitama, A. Masuoka, Saitama, K. Hotoda, Saitama, T. Suzuki, Saitama

09:30 Hybrid AV-Valve replacement in infants with congenital heart disease – experience in univentricular and biventricular circulations

D. Zimpfer, Wien, C. Herbst, Vienna, D. Wiedemann, Wien, S. Greil, Vienna, E. Kitzmüller, Vienna, E. Base, Vienna, G. Laufer, Vienna, I. Michel-Behnke, Vienna

Fri 19 Oct
10:00 - 11:30

Long term outcome after surgical repair in CHD

Abstract

Botticelli

10:00 Surgery for Anomalous Aortic Origin of Coronary Arteries (AAOCA). A multicenter study from the European Congenital Heart Surgeons Association (ECHSA)

M. Padalino, Padua, M. Hazekamp, Leiden, T. Carrel, Bern, A. Frigiola, San Donato Milanese, J. Hoerer, Le Plessis-Robinson, B. Meyns, Leuven, J. Fragata, Lisbon, G. Stellin, Padua

10:15 Long-term Outcomes of Surgery for Pulmonary Artery Sling in Children

M. Yong, Melbourne, M. Zhu, Melbourne, D. Bell, Brisbane, N. Alphonso, Brisbane, Y. D'udekem, Melbourne, I. Konstantinov, Melbourne

10:30 Surgical repair of ruptured congenital sinus of Valsalva aneurysm: 10-year experience from a single center with 286 patients

X Luo, Beijing, D. Zhang, Beijing, B. Li, Beijing, L. Qi, Beijing, Y. Tang, Beijing, H. Sun, Beijing

11:00 Replacement of the ascending aorta in early childhood : surgical strategies and long-term outcome

A. Moreau De Bellaing, Paris, F. Bajolle, Paris, M. Pontallier, Paris, P. Vouhe, Paris, R. Gaudin, Paris, A. Haydar, Paris, D. Bonnet, Paris, O. Raïsky, Paris



Fri 19 Oct
13:00 - 14:30

Nightmare cases & unsolved clinical problems

Focus Session

Botticelli

Fri 19 Oct
14:45 - 16:15

Rapid Fire - Congenital 2

Rapid Response

Amber 4

14:45 Liver disease in Fontan patients: when to start screening?

K. Francois, Gent, T. Ackerman, Gent, H. Vanoverschelde, Gent, F. Hendricx, Gent, K. Vandekerckhove, Gent, R. Debruyne, Gent, T. Bové, Gent

14:53 Risk factors for Liver diseases after Fontan operation

N. Oka, Shibukawa-shi, K. Miyaji, Sagamihara, H. Ishido, Shibukawa-shi, H. Hayashi, Shibukawa-shi, T. Tomoyasu, Shibukawa-shi, T. Miyamoto, Sagamihara

15:01 Outcomes of Superior Vena Cava to Right Atrial Connection and Intra-cardiac Repair after Bidirectional Glenn Shunt

L. Qi, Beijing, K. Ma, Beijing, S. Li, Beijing, Z. Hua, Beijing, S. Zhang, Beijing, F. He, Beijing, G. Wang, Beijing, Z. Feng, Beijing

15:09 4D flow MRI blood flow energetics of the inferior vena cava-to-extracardiac conduit junction in Fontan patients

F. Rijnberg, Leiden, M. Elbaz, Chicago, J. Westenberg, Leiden, V. Kamphuis, Leiden, L. Kroft, Leiden, N. Blom, Leiden, M. Hazekamp, Leiden, A. Roest, Leiden

15:17 Long-term Results of One and a Half Ventricular Repair for Patients with Hypoplastic RV - Difference of Glenn type and Possibility of Biventricular Conversion -

T. Sakamoto, Chiba, Y. Nagase, Tokyo, M. Takiguchi, Chiba, K. Ishihara, Chiba

15:25 High prevalence of early arch reobstruction after arch repair in patients with anomalous right subclavian artery

N. Ravintharan, Parkville, Y. D'udekem, Melbourne, M. Henry, Melbourne, J. Brink, Melbourne, I. Konstantinov, Melbourne, C. Brizard, Melbourne, M. Lee, Parkville

15:33 Selective antegrade cerebral versus total body perfusion for aortic arch reconstruction in infants: a propensity score-matched study

Y. Kulyabin, Novosibirsk, I. Soynov, Novosibirsk, N. Nichay, Novosibirsk, A. Zubritskiy, Novosibirsk, A. Voitov, Novosibirsk, Y. Gorbatykh, Novosibirsk, A. Bogachev-Prokophiev, A. Karaskov, Novosibirsk

15:41 Improved Surgical Outcomes of Patients with Interrupted Aortic Arch: A Single Center Study

T. Nakano, Fukuoka, S. Oda, Fukuoka, K. Joo, Fukuoka, N. Fujimoto, Fukuoka, S. Sakaguchi, Fukuoka, H. Kado, Fukuoka

15:49 Perioperative outcomes of different temperature management in pediatric aortic arch surgery: a single center 8-year experience

Y. Tong (Beijing), L. Jinping (Beijing), L. Ruoning (Beijing)



Fri 19 Oct
16:30 - 18:00

Surgical videos 2

Abstract

Botticelli

17:00 A simplified surgical way of tricuspidization with continuous autologous pericardium for bicuspid aortic valve stenosis

B. Jia (Shanghai)

17:30 Antegrade selective cerebral and myocardial perfusion for Norwood Operation

L. Careddu, Bologna, E. Angeli, Bologna, G. Romano, Bologna, F.D. Petridis, Bologna, E.A. Gabriele, Bologna, A. Balducci, Bologna, A. Donti, Bologna, G. Gargiulo, Bologna

Friday 19 October

Fri 19 Oct
08:15 - 09:45

“Gut feeling”: management for type A dissection while awaiting evidence. PART 1

Focus Session

Raphael

Objectives :

Obtain a refreshed look at contemporary approaches to aortic dissection in regards to brain and visceral protection in the presence of associated malperfusion.

Acquire new insights in the management of patients with dissection with special emphasis in common clinical scenarios that can be dealt in different forms in the absence of scientific evidence.

Understand the benefits and risks of different approaches to deal with complex common scenarios including the operative and non-operative management of the elderly.

08:15 Biomarkers and their usefulness in acute aortic pathology

A. Parolari, Milano

08:30 Data from registries after surgery for AAA. How malperfusion affects outcomes?

M. Di Eusanio, Ancona

08:45 Decision-making in visceral / cerebral malperfusion. A clear message on what to do

K. Tsagakis, Essen

09:00 Preoperative neurologic deficit in acute Type A aortic dissection

M. Kreibich, Freiburg, N. Desai, Philadelphia, J. Bavaria, Philadelphia, H. Okamura, Saitama, N. Kimura, Saitama, A. Yamaguchi, Saitama, F. Beyersdorf, Freiburg, B. Rylski, Freiburg

09:30 Valve sparing root replacement in acute type A dissection?

M. Shrestha, Hannover



Fri 19 Oct
10:00 - 11:30

“Gut feeling”: management of type A dissection while awaiting evidence. Part 2

Raphael

Focus Session

Moderator(s) : G. Di Luozzo, *New York*

Panellist(s) : L. Di Marco, *Bologna*, H. Ogino, *Tokyo*, A. Zierer, *Linz*

Objectives :

Obtain a refreshed look at contemporary approaches to aortic dissection in regards to brain and visceral protection in the presence of associated malperfusion.

Acquire new insights in the management of patients with dissection with special emphasis in common clinical scenarios that can be dealt in different forms in the absence of scientific evidence.

Understand the benefits and risks of different approaches to deal with complex common scenarios including the operative and non-operative management of the elderly.

10:00 Total endovascular repair in acute type A dissection: extending the limits of operability.

E. Roselli, *Cleveland*

10:15 Current status of novel hybrid stents for arch repair in acute type A dissection.

H. Jakob, *Essen*

10:30 Cardiopulmonary bypass, brain and myocardial protection in type A dissection: contemporary approaches.

P. Urbanski, *Bad Neustadt*

10:45 Dissected Aorta Repair Through Stent Implantation: International Results of a Feasibility, Safety and Performance Trial

S. Bozso, *Edmonton*, J. Nagendran, *Edmonton*, M. Chu, *London*, I. El-Hamamsy, *Montréal*, A. Shahriari, *Boca Raton*, J. Kempfert, *Berlin*, C. Starck, *Berlin*, M. Moon, *Edmonton*

11:00 Comparative study of frozen elephant trunk and classical elephant trunk to supplement total arch replacement for acute type A aortic dissection

Y. Inoue, *Suita*, H. Matsuda, *Suita*, A. Omura, *Suita*, Y. Seike, *Suita*, K. Uehara, *Suita*, H. Sasaki, *Suita*, J. Kobayashi, *Suita*

11:15 Follow-up after surgery for type A dissection: how and when?

A. Geirsson, *Yale*



Fri 19 Oct
11:45 - 12:45

Let the pachyderm proboscis freeze: FET experience is increasing

Raphael

Abstract

Objectives :

After this session you will be able to indicate the differences between the various FET techniques.

11:45 Open distal anastomosis in Frozen Elephant Trunk technique: arch zone 2 versus arch zone 3

A. Leone, Bologna, L. Di Marco, Bologna, G. Coppola, Bologna, C. Mariani, Bologna, G. Barberio,, Bologna, C. Amodio, Bologna, D. Pacini, Bologna, R. Di Bartolomeo, Bologna

12:00 Multicentre experience with two commercially available frozen elephant trunk prostheses in the treatment of acute aortic dissection

R. Gottardi, Salzburg, T. Berger,, Freiburg, G. Weiss, Vienna, Z. Arnold, Vienna, A. Vötsch, Salzburg, M. Grabenwöger, Vienna, B. Rylski, Freiburg, M. Czemy, Freiburg

12:30 Distal aortic remodeling after standard and elongated frozen elephant trunk procedure

B. Kozlov, Tomsk, D. Panfilov, Tomsk, V. Saushkin, Tomsk, G. Nasrashvili, Tomsk, M. Kuznetsov, Tomsk, A. Nenakhova, Tomsk, V. Shipulin, Tomsk

Fri 19 Oct
11:45 - 12:45

Flying over the arch with a parachute on board

Rapid Response

Titian

Objectives :

After this session you will be able to incorporate the use of minimally invasive approaches in arch surgery. You will be able to better identify risks and outcomes for patients requiring aortic surgery after previous sternotomy.

11:53 Early and late outcomes with minimally invasive aortic arch surgery – two centers experience

P. Risteski, Frankfurt am Main, G. Boshkoski, Frankfurt, R. Salem, Frankfurt am Main, M. Radwan, Frankfurt am Main, A. Moritz, Frankfurt am Main, M. Depalo, Bari, T. Walther, Frankfurt am Main, G. Esposito, Bari

12:09 Post-sternotomy Deep Wound Infection after Aortic Surgery: Wound Care Strategy to Prevent Prosthetic Graft Replacement

Y. Ikeno, Kobe, S. S., Kobe, K. Yokawa, Kobe, H. Tanaka, Kobe, Y. Okita, Kobe

12:17 Outcomes of Arch Re-operation in Patients with Previous Proximal Aortic Surgery: A Single Center Experience

N. Saran, Rochester, J. Dearani, Rochester, H. Schaff, Rochester, K. Greason, Rochester, R. Daly, Rochester, A. Pochettino, Rochester

12:25 Benefit without Risk: Adding the Classic Elephant Trunk to Total Arch Replacement

E. Iannacone, New York, M. Gaudino, New York, C. Lau, New York, M. Munjal, New York, J. Leonard, New York, A. Abouarab,, New York, L. Girardi, New York



Fri 19 Oct
13:00 - 14:30

Endovascular fix of open failure

Focus Session

Raphael

Moderator(s) : M. Czemy, *Freiburg*

Panellist(s) : R. Gottardi, *Salzburg*, N. Kimura, *Saitama*, S. Ronchey, *Rome*

Objectives :

To learn about the endovascular treatment options for common immediate and late failures of open aortic repair

13:00 Iatrogenic acute aortic dissection: criteria for conservative, endovascular and open treatment

13:15 Current endovascular treatment options for late complications and failures.

M. Lescan, *Tübingen*

13:30 Optimal Coiling Pattern in Minimally Invasive Segmental Artery Coil Embolization

K. Von Aspern, *Leipzig*, J. Haunschild, *Leipzig*, U. Simoniuk, *Liverpool*, S. Kaiser, *Leipzig*, M. Misfeld, *Leipzig*, F.W. Mohr, *Leipzig*, M. Borger, *Leipzig*, C. Etz, *Leipzig*

13:45 Endovascular options in Marfan patients: what is reasonable and what should we avoid

M. Kolowca, *Rzeszow*

14:00 Fenestrated and branched stentgraft for TAAA – Live-in-a-box

14:15 Why do we need European Board Certification in open and endovascular aortic surgery?

K. Tsagakis, *Essen*



Fri 19 Oct
14:45 - 16:15

The bigger picture - from aortic surgery towards comprehensive aortic medicine

Raphael

Focus Session

Moderator(s) : D. Cameron, *Boston*

Panellist(s) : M. Jahangiri, *London*, M. Luehr, *Munich*, K. Widenka, *Rzeszow*

Objectives :

To increase the knowledge on heritable disorders of connective tissue, to foster the development of aortic centers

14:45 Surgeons and syndromes - Marfan, Loey-Dietz and others

F. Schoenhoff, *Bern*

15:00 Establishing an Aortic Center - pitfalls and safeguards

E. Roselli, *Cleveland*

15:15 Arch surgery in Marfan: always open - PRO

K. Minatoya, *Osaka*

15:20 Arch surgery in Marfan: always open - CON

M. Czemy, *Freiburg*

15:25 Discussion

15:45 Endovascular strategies in patients with connective tissue disorders

16:00 Aortic emergencies during pregnancy

M.A. Schepens, *Brugge*



Fri 19 Oct
16:30 - 18:00

Breaking old concepts on acute aortic dissections

Abstract

Raphael

Objectives :

After this session you will be able to indicate if emergency surgery is necessary in all type A dissection patients and to say how the type of treatment and the characteristics of the dissection affect outcomes after repair.

16:30 Outcomes after surgery for acute Type A aortic dissection in the elderly: Age by itself is not a rational criterion to select patients

M. Kreibich, Freiburg, B. Rylski, Freiburg, M. Czemy, Freiburg, F. Beyersdorf, Freiburg, P. Vallabhajosyula, Philadelphia, W. Szeto, Philadelphia, J. Bavaria, Philadelphia, N. Desai, Philadelphia

16:45 Differential impact of intimal tear location on aortic dilation and reintervention in acute type I aortic dissection after surgical repair

W. Heo, Seoul, S.W. Song, Seoul, T.H. Kim, Seoul, S.Y. Lee, Seoul, J.S. Lee, Seoul, K.H. Lee, Seoul, K.J. Yoo, Seoul

17:00 Type-A acute aortic dissection in elderly patients: to operate or not to operate?

H. Tsuneyoshi, Shizuoka City, C. Ueki, Shizuoka City, K. Yamanaka, Shizuoka-shi, H. Sato, Shizuoka City, M. Hirano, Shizuoka City

17:15 Survival and frequency of reoperations and reinterventions after surgery for type A dissection and ascending aortic aneurysm- a long time follow up

S. Thelin, Uppsala, P. Vikholm, Uppsala, R. Astudillo, Uppsala

17:45 Computed fine element analysis of hemodynamic stress to guide the treatment strategy in aortic dissections

D. Calcaterra, Minneapolis, K. Harris, Minneapolis, M. Bashir, Iowa City, J. Manunga, Minneapolis, A. Sharma, Minneapolis, L. Shrestha, Iowa City, S. Vignostad, Iowa City



 **Friday 19 October**

Fri 19 Oct
08:15 - 09:45

Oligometastatic disease

Focus Session

Amber 6

08:15 Update of the 8th TNM classification

P. Van Schil, Antwerp

08:30 Pro-con debate

08:30 Pro SBRT for oligometastases

08:45 Pro surgical resection

09:00 Single pulmonary metastasis from colorectal cancer: identification of prognostic factors in a multicentric retrospective series of 344 cases

F. Lococo, Reggio Emilia, C. Rapisetta, Reggio Emilia, F. Carleo, Roma, J. Kauppi, Helsinki, S. Ricciardi, Pisa, J. Räsänen, Helsinki, F. Melfi, Pisa, G. Cardillo, Roma

09:15 Brain metastases in patient with curative resected Non-Small Cell Lung Cancer: the impact of epidermal growth factor receptor mutation status and tyrosine kinase inhibitors treatment

P.J. Yun, Taipei, T.W. Huang, Taipei

09:30 New guideline for malignant pleural effusion



Fri 19 Oct
08:15 - 09:45

Non-oncology

Rapid Response

Titian

08:23 Descending mediastinitis: Is still a disease with high mortality?

K. Athanassiadi, Athens, I. Alevizakis, Athens, E. Liverakou, Athens, I. Kokkevi, Athens, M. Chroni, Athens, S. Benakis, Athens, S. Zakynthinos, Athens, V. Papastamopoulos, Athens

08:31 Salvage of Large Tracheal Defects in Children using Autologous Pedicled Pericardial Patch

M. Ramaswamy, London, N. Mcintosh, London, D. McIntyre, London, P. De Coppi, London, R. Hewitt, London, D. Roebuck, London, N. Muthialu, London

08:39 Intrathoracic prosthesis in children: role in both congenital single lung and for post-pneumonectomy syndrome

N. Bulstrode, Gerrards Cross, N. Mcintosh, Gerrards Cross, D. McIntyre, Gerrards Cross, B. Sivakumar, Gerrards Cross, C. Wallis, Gerrards Cross, M. Elliott, London, N. Muthialu, Gerrards Cross

08:47 Thoracic Outlet Decompression for the Surgical Management of Venous Thoracic Outlet Syndrome in Pediatric Patients

L. Tapias, Boston, J.A. Donahue, Boston, D.M. Donahue, Boston

09:03 Effect of early clinical assessment of dysphagia on the incidence of aspiration pneumonia in patients undergoing lung resection

J.M. Schmidt Leuenberger, Bern, B. Hokschi, Bern, G. Luder, Bern, R.A. Schmid, Bern, M.L. Verra, Bern, P. Dom, Bern

09:11 Anatomical versus non-anatomical resection in patients undergoing lung volume reduction surgery: a 10-year single centre experience

R. Hoffman, London, S. Begum, London, S. Jordan, London

Fri 19 Oct
10:00 - 11:30

Rare thoracic cancers (EUROCAN)

Focus Session

Amber 6

10:00 What is ERN - EURACAN - structural help for the centers involved

P. Van Schil, Antwerp

10:15 Thymus

10:30 Mesothelioma

10:45 Mesenchymal tumors

11:00 The levels of Matrix Metalloproteinase 9 and Tissue Inhibitor of Metalloproteinases 1 in the pleural fluid and the serum as markers for diagnosis of malignant pleural effusion

A. Allama, Shebin El-Kom, I. Ibrahim, Shebin El-Kom, D. Abou-Elela, Shebin El-Kom



Fri 19 Oct
11:45 - 14:30

Thoracic - Featured abstracts

Abstract

Amber 6

11:45 Clinical Application of a Surgical Navigation System based on Virtual Thoracoscopy for Lung Cancer Patients

S. Nakamura, Nagoya, Y. Hayashi, Nagoya, K. Kawaguchi, Nagoya, T. Fukui, Nagoya, S. Hakiri, Nagoya, N. Ozeki, Nagoya, K. Mori, Nagoya, K. Yokoi, Nagoya

12:00 Clinicopathologic features of the adenocarcinoma with cystic airspaces

W. Jung, Seongnam-si, Y.K. Lee, Seongnam-si, S. Yum., Seongnam-si, J.H. Jeon, Seongnam-si, Y. Sung, Seongnam-si, K. Kim, Seongnam-si, S. Jheon, Seongnam-si, S. Cho, Seongnam-si

12:15 Computed tomography-guided hydrogel plug marking for thoroscopic resection of nonpalpable lung nodules: a pilot study

A. Imperatori, Varese, F. Fontana, Varese, F. Piacentino, Varese, M. Desio, Varese, M. Castiglioni, Varese, M. Cattoni, Varese, L. Dominioni, Varese, N. Rotolo, Varese

12:45 Novel Management of a Radiation-Induced Tracheoesophageal Fistula

M. Sudarshan, Rochester, S. Blackmon, Rochester

13:00 Trimodality therapy for superior sulcus tumour: the experience of a single institution over 18 years

U. Shinsuke, Chūō-ku, Y. Yoshida, Chūō-ku, K. Asakura, Chūō-ku, A. Kobayashi, Chūō-ku, Y. Masaya, Chūō-ku, K. Nakagawa, Chūō-ku, S.I. Watanabe, Chūō-ku

13:30 Proposal of Novel Classification of Lymph Node in Surgically Resected Left Upper Lobe Lung Cancer

U. Hiroyasu, Tokyo, A. Hattori, Tokyo, S. Hirayama, Tokyo, K. Takamochi, Tokyo, S. Oh, Tokyo, K. Suzuki, Tokyo

13:45 The influence of Screencell detected circulating tumour cells on long term survival in operated lung cancer patients

D. Chudasama,, Harefield, J. Barr, Harefield, J. Beeson,, Harefield, R. Baranowski, Harefield, E. Karteris,, London, V. Anikin, Harefield

14:00 Negative pressure ventilation allows for successful ex vivo lung perfusion up to 24 hours

M. Buchko, Edmonton, S. Himmat,, Edmonton, N. Aboelnazar, Edmonton, C. Stewart, Edmonton, D. Freed,, Edmonton, J. Nagendran,, Edmonton



Fri 19 Oct
13:00 - 14:30

Oesophagus

Abstract

Amber 7

Moderator(s) : P. Rajesh, *Birmingham*, Y. Shen (Shanghai), L. Tapias, *Boston*

13:00 Comparison of Pulmonary function changes between Neoadjuvant Chemo and Chemo-radiation for Minimally Invasive Esophagectomy: □ A Randomized and controlled Trial

Y. Shen (Shanghai)

13:15 Prognostic value of perineural invasion in ypStage II/III esophageal squamous cell carcinoma

C.P. Hsu, Taichung, P.K. Hsu, Taipei

13:30 Identify the predictive value of intraoperative factors for complication after esophagectomy at a high-volume center

X Yong, Ningbo, S. Weiyu, Ningbo, J. Chenghua, Ningbo

13:45 Amylase level in cervical drain as a predictor of anastomotic leakage after cervical esophagogastrotomy in patients with esophageal cancer

S.Y. Park, Seoul, S. Haam, Suwon, J. Jung, Suwon, D.J. Kim, Seoul, J.W. Suh, Seoul

14:00 Intraoperative Jejunostomy Placement and Minimally Invasive Esophagectomy: An unnecessary step?

K. Tiuri, Boston, L. Tapias, Boston, C.R. Morse, Boston

14:15 Survival outcomes in patients with esophageal cancer after complete esophagogastronomies

O. Kshivets, Roshal

Fri 19 Oct
14:45 - 16:15

Open access - who is paying the bill: the reader or the writer?

Focus Session

Amber 6

14:45 The open access jungle

15:00 EU perspective

F. Beyersdorf, Freiburg

15:15 USA perspective

G. Patterson, St Louis

15:30 Why your paper was rejected

A. Sihoe, Hong Kong



Fri 19 Oct
14:45 - 16:15

Chest Wall

Rapid Response

Titian

14:53 Autologous reversed sternal plate flaps for treatment of sternal clefts: a long term follow up

H. Elsayed, Cairo, S. Soliman,, Cairo, A. Mostafa, Cairo, H.Y. El-Bawab,, Cairo, A.T. Hussein,, Cairo, M. Eldewer,, Cairo, A. Elsaka,, Cairo, A.A. El-Nori,, Cairo

15:01 Short-term treatment results of Vacuum Bell therapy for Pectus Excavatum in comparison with those of surgical corrections

E. Yi, Seoul, J. Lee, Seoul, Y. Jung, Seoul, J.H. Chung, Seoul, S. Lee, Seoul

15:09 Pectoralis minor syndrome: landing in the zone of a thoracic surgeon

H. Elsayed, Cairo, A. Mostafa, Cairo, A.A. El-Nori,, Cairo, A.M. Hamed,, Cairo, S. Soliman,, Cairo, W. Nassar, Cairo

15:17 The metal free mini Ravitch procedure for treating pectus excavatum: one hundred consecutive patients

H. Elsayed, Cairo, S. Soliman,, Cairo, A. Mostafa, Cairo, A.M. Hamed,, Cairo, H.Y. El-Bawab,, Cairo, A.A. El-Nori,, Cairo

15:25 Biological Mesh in Chest Wall Reconstruction: Clinical Applications and Results

A. Gonfiotti, Firenze, D. Viggiano, Firenze, M. Anile, Roma, D. Divisi, Teramo, T. De Giacomo, Roma, M. Lucchi, Pisa, F. Venuta, Roma, L. Voltolini, Firenze

15:49 VATS Diaphragmatic Plication

A. Habib, Cottingham, P. Ariyaratnam, Heslington, A. Hussain, Cottingham, R. Maxine, Cottingham, R. Thomson, Cottingham, S.S.A. Qadri, Cottingham, M. Loubani, Cottingham

Fri 19 Oct
16:30 - 18:00

Thymic surgery

Abstract

Amber 4

16:30 Surgery for multiple thymoma's recurrence: prognostic factors and survival analysis

M. Chiappetta, Rome, E. Zanfrini, Rome, M. Mastromarino, Rome, D. Nachira, Rome, V. Porziella, Rome, M. Congedo, Rome, E. Meacci, Rome, S. Magaritora, Rome

17:00 Surgical treatment of thymic diseases: robotic surgery versus open surgery. Analysis of our experience

R. Corzani, Siena, L. Luzzi, Siena, M. Ghisalberti, Siena, T. Ligabue, Siena, F. Meniconi, Siena, A. Astaneh, Siena, L.L. De, Siena, P. Paladini, Siena



Fri 19 Oct
16:30 - 18:00

Enhanced recovery in thoracic surgery

Focus Session

Amber 6

16:30 The birth of ERAS, where are we in thoracic surgery?

16:45 Rehabilitation in patients undergoing lung resection

P. Agostini, Bordesley Green East

17:00 How to set up an ERAS programme in your hospital

T. Batchelor, Bristol

17:15 Extending indication for thoracic surgery in high risk patients

17:30 Painmanagement within ERAS in thoracic surgery

17:45 The impact of fast-track management of elderly patients undergoing thoracic surgery

S. Shiono, Yamagata, K. Suzuki, Yamagata, K. Hayasaka, Yamagata, M. Endo, Yamagata

Friday 19 October

Fri 19 Oct
08:15 - 09:45

Expert experiences with science: starting a new project

Focus Session

Suite 5

Moderator(s) : F. Beyersdorf, *Freiburg*, G. Patterson, *St Louis*

Objectives :

1. Planning your research project to submit to a scientific meeting
2. Learning how to prepare and present your abstract

08:15 Choosing a topic for a manuscript: what is known and what do you add?

08:33 Choosing the appropriate journal and meeting for your manuscript

V. Falk, Berlin

08:51 Your abstract at a scientific meeting: from submission to applause

09:09 Presenting and writing as a non-English speaker

T. Gudbjartsson, Reykjavik

09:27 How to deal with questions from the audience

M. Turina, Zurich

Organizers :

Research



Fri 19 Oct
10:00 - 11:30

Work in Progress

Focus Session

Amber 7

Organizers :

Residents

Fri 19 Oct
13:00 - 14:30

Meta-analyses: breaking down different methods

Focus Session

Suite 5

Moderator(s) : S. Head, *Rotterdam*, M. Sousa Uva, *Lisboa*

Objectives :

1. Being able to conduct a literature search
2. Learning about different methods of conducting meta-analyses

13:00 How to conduct a literature search

A. Durko, Budapest

13:18 Meta-analyses of time-to-event data

N. Freemantle, London

13:36 Meta-regression

13:54 Individual patient-data meta-analysis

M. Gaudino, New York

14:12 Network meta-analysis

U. Benedetto, Bristol

Organizers :

Research



Fri 19 Oct
14:45 - 16:15

The propensity score: opening a black box

Focus Session

Suite 5

Moderator(s) : F. Barili, Cuneo, M. Gaudino, New York

Objectives :

1. Learning when and how to do propensity-matched analyses
2. Practicalities for using propensity scores

14:45 Why use the propensity score?

S. Grant, Blackpool

15:00 Calculating the propensity score

F. Barili, Cuneo

15:15 Matching patients and assessing balance

M. Mokhles, Rotterdam

15:30 Propensity score methods or multivariable regression?

15:45 Alternatives to propensity-score matching

U. Benedetto, Bristol

16:00 Perils of propensity-score analyses

N. Freemantle, London

Organizers :

Research

Fri 19 Oct
16:30 - 18:00

Outside the box (Residents)

Focus Session

Amber 3

16:30 ECMO everywhere: air, land, water

16:45 Teaching Congenital Heart Disease via Virtual Reality

17:00 Cardiac Surgeon and Company Founder CEO

Organizers :

Residents



Friday 19 October

Fri 19 Oct
10:00 - 11:30

Quality Improvement Using Data: International Experience

Focus Session

Suite 5

Moderator(s) : D. Pagano, *Birmingham*, G. Paone, *Detroit*

Panellist(s) : C. Bond, *Birmingham*, E. Daeter, *Nieuwegein*, D. Jenkins, *Papworth Everard*, C. Velasco García De Sierra, *Coruña (A)*

Objectives :

To share International experiences of using data for quality improvement initiatives.

Leadership in quality initiatives

Update on EACTS benchmarking database

10:00 Michigan State Collaborative Approach- Using data, meetings and openness to improve outcomes

R. Prager, Ann Arbor

10:15 Getting It Right the First Time- Using Multisource Data to Improve Outcomes and Efficiency in England

D. Richens, Nottingham

10:30 State-mandated Reporting of Cardiac Surgery Outcomes: lessons from a 13-year journey

D. Shahian, Boston

10:45 International benchmarking- an update on the EACTS Adult Database

Ö. Friberg, Örebro

11:00 Quality Improvement Opportunities with the EACTS Database

D. Pagano, Birmingham

Friday 19 October

Fri 19 Oct
11:45 - 12:45

2018 ESC/EACTS Guidelines on myocardial revascularisation

Focus Session

Auditorium

11:45 CABG or PCI in stable disease

S. Head, Rotterdam

11:57 Role of cardiac surgery in ACS

12:09 CABG or PCI in patients with associated diseases

G. Stefanini, Milan

12:21 Technical aspects of CABG

12:33 Antithrombotic therapy after revascularization



 **Saturday 20 October**

Sat 20 Oct
08:15 - 09:45

Challenges and solutions in proximal aortic diseases

Abstract

Brown 2

Objectives :

After this session you will be able to indicate the advantages of different aortic root reconstruction techniques and to indicate when and how to repair the aortic root in Marfan patients.

08:15 A proteomic analysis reveals site-specific changes in non-dilated ascending aortas from tricuspid and bicuspid aortic valve stenosis patients

A. Forte,, Naples, M. Fava, London, X Yin, London, C. Bancone,, Naples, M. De Feo, Naples, M. Mayr, London, A. Della Corte, Naples

08:30 Follow-up of Marfan patients with native aortic roots

S. Mosbahi, Bern, F. Schoenhoff, Bern, B. Langhammer, Bern, M. Yldiz, Bern, S. Jungi, Bern, T. Carrel, Bern

08:45 Early and late results after David aortic valve-sparing re-implantation versus aortic root replacement : propensity matched analysis

S. Leontyev, Leipzig, L. Schamberger, Leipzig, P. Davierwala, Leipzig, K. Von Aspern, Leipzig, S. Lehmann,, Leipzig, M. Misfeld, Leipzig, M. Borger, Leipzig

09:00 Florida sleeve repair of aortic insufficiency - our experience in fifty patients

P. Risteski, Frankfurt am Main, M. Radwan, Frankfurt am Main, N. Monsefi, Frankfurt am Main, L. Dressen, Frankfurt am Main, A. Karimian-Tabrizi, Frankfurt am Main, T. Holubec, Frankfurt am Main, A. Moritz, Frankfurt am Main, T. Walther, Frankfurt am Main

09:15 Adult Aortic reoperation in patients with Conotruncal anomalies corrected in childhood

M. Larobina, Parkville, R. Wynne, PARKVILLE, W. Wilson, Parkville, L. Grigg, Parkville, P. Skillington, Parkville



Sat 20 Oct
10:00 - 11:30

Challenging the guidelines in thoracic aortic surgery

Focus Session

Brown 2

Moderator(s) : M. Grimm, *Innsbruck*

Panellist(s) : J. Bekkers, *Rotterdam*, W.G. Ma, *New Haven*, T. Sioris, *Tampere*

Objectives :

To increase the knowledge and discuss the limits of current guidelines in thoracic aortic surgery

10:00 Quo Vadis Thoracic Aortic Surgery: The Role of Open and Endovascular Techniques in the Future (21st Century)

J. Bavaria, Philadelphia

10:15 Current guidelines for thoracic aortic surgery

A. Della Corte, Naples

10:30 Standards of reporting in open and endovascular surgery

F. Schoenhoff, Bern

10:45 Type A IMH - always surgery - PRO

A. Martens, Hannover

10:50 Type A IMH - always surgery - CON

T. Schachner, Innsbruck

10:55 Discussion

11:00 Aortic aneurysms in GUCH patients

D. Cameron, Boston

11:15 New EACTS-ESVS joint guidelines for aortic arch repair

M. Czerny, Freiburg



Sat 20 Oct
14:15 - 15:45

Aortic Arch Repair – The Brain in Focus

Focus Session

Brown 2

Objectives :

Update of techniques to prevent stroke in aortic arch open and endovascular treatment

14:15 Cerebral protection in aortic arch surgery: Optimal strategy and outcome

D. Pacini, Bologna

14:30 Effectiveness of embolic protection filter devices for cerebral protection in endovascular aortic arch repair in significant aortic atheroma patients

K. Shimamura, Osaka, K. Toru, Osaka, K. Kin, Osaka, T. Shijo, Osaka, Y. Watanabe, Osaka, M. Kenta, Osaka, M. Koichi, Osaka, Y. Sawa, Osaka

14:45 Antegrade selective cerebral perfusion reduced in-hospital mortality and permanent focal neurological deficit in patients with elective aortic arch surgery

S. Leontyev, Leipzig, P. Davierwala, Leipzig, M. Semenov, Leipzig, G. Krog, Leipzig, T. Noack, Leipzig, M. Misfeld, Leipzig, M. Borger, Leipzig

15:00 Redo aortic arch treatment: Open or Endo repair?

R. Di Bartolomeo, Bologna

15:15 The dark side of the full endovascular arch approach

J. Bavaria, Philadelphia

15:30 How to prevent cerebral embolism in endovascular arch treatment: Techniques and perspectives

T. Kölbl, Hamburg

Sat 20 Oct
16:00 - 17:30

Thoracoabdominal aorta surgery – Standards and Perspectives

Focus Session

Brown 2

Objectives :

To learn about the current standards and perspectives of thoracoabdominal aortic treatment

16:00 One or staged strategy for thoracoabdominal open aortic repair

16:15 Should thoracoabdominal aortic repair be started from the segmental arteries occlusion?

C. Etz, Leipzig

16:30 Comparison of early patency rate and long-term outcomes of various techniques for reconstruction of the segmental arteries during surgery for thoracoabdominal aorta

S. Henmi, Kobe, Y. Ikeno, Kobe, H. Tanaka, Kobe, Y. Okita, Kobe

17:00 Reversed Frozen Elephant Trunk: Technique, Indications, Perspectives

T. Kölbl, Hamburg

17:15 How to deal with aortic fistulae and graft infection: A surgeon's perspective

Y. Okita, Kobe



 **Saturday 20 October**

Sat 20 Oct
08:15 - 09:45

Evidence based decision making in TAVI

Focus Session

Brown 3

Moderator(s) : S. Bleiziffer, *Munich*, M. Antunes, *Coimbra*

Panellist(s) : G. Dahle, *Oslo*, N. Van Mieghem, *Rotterdam*, M. Taramasso, *Zürich*

Objectives :

How to impliment scientific data on your daily practice.

How to critically interpret guideline effective data.

To understand the impact of TAVI/SAVR on health care costs.

08:15 Update on national and international registries

08:30 Update on trials for low risk patients

08:45 Decision making in daily practise: SAVR/TAVI

09:00 Cost effectiveness in different health units

R. Osnabrugge, *Rotterdam*

09:15 Challenging the TAVI landmark statistical considerations

09:30 Case Presentation

M. Silaschi, *Halle (Saale)*

09:33 Case Presentation

09:36 Panel Discussion

Organizers :

Transcatheter



Sat 20 Oct
08:15 - 09:45

Heart team perspective in AF

Focus Session

Brown 1

Moderator(s) : P. Suwalski, *Warsaw*, N. Doll, *Stuttgart*

Objectives :

Teaching cardiologists and surgeons to work together for better results

08:15 AF ablation: Where we came from and where we are heading

S. Benussi, *Zurich*

08:30 Hybrid ablation in complex AF patients - VIDEO

M. La Meir, *Maastricht*

08:45 Subxiphoid approach for AF ablation - VIDEO

M.O. Zembala, *Katowice*

09:00 DEBATE: Catheter and surgical ablation: Role and limits of heart teams

09:07 DEBATE: Catheter and surgical ablation: Role and limits of heart teams

09:14 DEBATE: Catheter and surgical ablation: Role and limits of heart teams

09:21 Debate discussion

Organizers :

Arrhythmia



Sat 20 Oct
08:15 - 09:45

Aortic valve surgery made cosmetic

Focus Session

Amber 1&2

Moderator(s) : T. Folliguet, *Vandoeuvre les Nancy*

Panellist(s) : S. Canovas, *Murcia*, M. Glauber, *Milan*, A. Kocher, *Vienna*

08:15 When not to go for minimally invasive aortic valve repair

L. Menicanti, San Donato Milanese

08:30 Minimally invasive aortic valve repair made easier by improved technology CT, sutureless,

B. Gersak, Ljubljana

08:45 Right anterior minithoracotomy with sutureless valve - live-in-a-box

J. Kempfert, Berlin

09:00 Minimally invasive aortic valve surgery

T. Fischlein, Nuremberg

09:15 Minimal extracorporeal circulation in minimally invasive aortic valve repair

09:30 Totally endoscopic trans-axillary aortic valve replacement

M. Tokoro, Nagoya, I. Toshiaki, Nagoya

Organizers :

Aortic

Sat 20 Oct
08:15 - 09:45

Rare and Uncommon Diseases

Focus Session

Amber 3

08:15 Tumors of the heart: easy and tricky

L. Girardi, New York

08:30 Pulmonary artery tumour presenting as PE

S. Blackmon, Rochester

08:45 Anomalous origin of the coronary arteries: Indications and types of interventions

M. Hazekamp, Leiden



Sat 20 Oct
08:15 - 09:45

Euromacs

Focus Session

Amber 4

08:15 EACTS vision re: Quality improvement and databases

D. Pagano, Birmingham

08:20 Development and possibilities of the EUROMACS registry

08:25 Presentation of studies with EUROMACS data:

08:25 a. Gender differences

08:30 b. Derivation and Validation of a Novel Right-Sided Heart Failure Model After Implantation of Continuous Flow Left Ventricular Assist Devices

O. Soliman, Rotterdam

08:35 c. European Results with Biventricular Circulatory Support

08:40 d. Weaning study

K. Caliskan, Rotterdam

08:45 EUROMACS, use of data at national level and at European level:

08:45 a. England

08:50 b. France

A. Vincentelli, Lille

08:55 c. Italy

F. Musumeci, Rome

09:00 d. Netherlands

F. Ramjankhan, Utrecht

09:05 Vision with respect to the development of Heart Failure and its meaning for study focus in EUROMACS

F. Schönraht, Berlin

09:15 Pediatric aspects

B. Maruszewski, Warsaw

09:25 EUROMACS – IMACS cooperation



Sat 20 Oct
08:15 - 09:45

**S.O.S. - Save Our Surgeon! Critical Situations in CT Surgery
(Residents)**

Amber 5

Focus Session

Objectives :

Present your own critical case and ask for expert advice from well-known senior surgeons: how would they have proceeded?

08:15 Mitral Panelists

P. Sardari Nia, Maastricht

08:30 Aortic Panelists

08:45 Congenital Panelists

J. Kluin, Amsterdam

09:00 Thoracic Panelist

Organizers :

Residents

Sat 20 Oct
08:15 - 09:45

Myocarditis, Acute Myocardial Infarction and HOCM Remodelling

Focus Session

Suite 5

Objectives :

The hallmark of diseases treated by cardiac surgeons is the result of inflammation. The basic science behind myocardial infarction and myocarditis will be presented by a most prominent expert in the field. Moreover, we will learn that myocardial infarction is a systemic disease that manifests itself also in the brain. Last, concepts of reperfusion injury in stunned hearts and the genesis of atherosclerosis in orthotopic heart transplantation will be presented

08:15 Myocarditis and giant cell myocarditis – Basic Science and treatment including ECMO

08:45 Acute Myocardial disease is a systemic disease. The interconnection between Brain and Heart

J. Thackeray, Hannover

09:05 Reperfusion injury/ stunned heart in cardiac surgery

B. Podesser, Vienna

09:25 Atherosclerosis progression after OHT, is there a common mechanism to all patients?

Organizers :

Basic Science



Sat 20 Oct
08:15 - 09:45

Living with a VAD - living with problems?

Rapid Response

Michelangelo

Objectives :

Managing anticoagulation in VAD patients

Risk stratification in VAD therapy

08:23 Clinical features of HeartMatell patients with diabetes mellitus~Japanese National Multicenter Study~

D. Yoshioka, Suita, K. Toda, Osaka, M. Ono, Tokyo, Y. Saiki, Sendai, A. Shiose, Higashi-ku, A. Usui, Nagoya, N. Fukushima, Suita, Y. Sawa, Suita

08:39 Risk Analysis of Stroke after Left Ventricular Assist Device Implantation in Women : Insights from Japanese National Database

K. Toda, Osaka, D. Yoshioka, Suita, S. Miyagawa, Osaka, Y. Yoshikawa, Osaka, M. Ono, Tokyo, N. Fukushima, Suita, Y. Saiki, Sendai, Y. Sawa, Suita

08:47 Anticoagulation Quality and Frequency of INR Testing in Left Ventricular Assist Device Patients: A Correlation to Adverse Events and Clinical Outcomes

L. Zapusek, Wien, D. Wiedemann, Wien, J. Riebandt, Wien, K. Dimitrov, Wien, G. Laufer, Vienna, D. Zimpfer, Wien, H. Schima, Wien, T. Schläglhofer, Wien

08:55 Driveline fracture in patients supported with HeartMate II left ventricular assist device

S. Shimada, Bunkyo-ku Tokyo, K. Nawata, Bunkyo-ku Tokyo, O. Kinoshita, Bunkyo-ku Tokyo, M. Kimura, Bunkyo-ku Tokyo, H. Yamauchi, Bunkyo-ku Tokyo, S. Minegishi, Bunkyo-ku Tokyo, H. Komae, Bunkyo-ku Tokyo, M. Ono, Bunkyo-ku Tokyo

09:19 Impact of continuous flow left ventricular assist device on graft rejection and donor-specific antibodies development after heart transplant

M. Carrozzini, Padova, J. Bejko, Padova, A. Gambino, Padova, E. Cozzi, Padova, D. Gregori, Padova, T. Bottio, Padova, G. Gerosa, Padova

Organizers :

Heart Failure



Sat 20 Oct
08:15 - 09:45

Put your lead vest on: TAVI under rapid fire

Rapid Response

Titian

Objectives :

This session gives an insight on immediate and longer-term outcome in TAVI

08:31 Minimally invasive surgical aortic valve replacement versus transcatheter aortic valve replacement: a multi-center matched comparison

D. Paparella, Bari, G. Santarpino, Lecce, M. Moscarelli, Bari, P.G. Malvindi, Bari, C. Comoglio, Torino, L. Martinelli, Rapallo, A. Cremonesi, Cotignola, G. Speziale, Bari

08:39 Risk Model for Prognostic Prediction after Transcatheter Aortic Valve Implantation

K. Maeda, Osaka, K. Pak, Tokyo, K. Shimamura, Osaka, J. Yamamoto, Osaka, T. Ueno, Osaka, K. Toda, Osaka, T. Kuratani, Osaka, Y. Sawa, Osaka

08:55 Comparative survival for Surgical Transcatheter Aortic Valve Implantation approaches in the ten years United Kingdom experience

F. D'Auria, Rome, A. Myat, Brighton, U. Trivedi, Brighton, D. Hildick-Smith, Brighton

09:03 Risk factors for need of permanent pacemaker implantation after TAVI: a comprehensive analysis including calcium loading, computed tomography, procedural and clinical data

F. Pollari, Nuremberg, F. Vogt, Nuremberg, I. Großmann, Nuremberg, M. Cuomo, Nuremberg, J. Marianowicz, Nuremberg, J. Sirch, Nuremberg, T. Fischlein, Nuremberg, S. Pfeiffer, Nuremberg



Sat 20 Oct
08:15 - 11:30

Managing patients with multi-vessel disease in the modern era

Professional Challenge

Auditorium

Moderator(s) : M. Gaudino, *New York*, D. Taggart, *Oxford*

Panellist(s) : O. Bertrand, *Laval*, F. Crea, *Rome*, S. Femes, *Toronto*, C. Spadaccio, *Glasgow*, R. Tranbaugh, *New York*, A. Zentara, *Zürich*

Objectives :

Discuss the evidence on the medical, percutaneous and surgical management of patients with multivessel disease in an extended Heart Team setting

08:15 The 2018 ESC/EACTS Guidelines on myocardial revascularization

M. Sousa Uva, *Lisboa*

08:30 Do we revascularize too much? The role of medical therapy

F. Crea, *Rome*

08:45 New advances in PCI

O. Bertrand, *Laval*

09:00 Conduit selection: New evidence for an old story

M. Gaudino, *New York*

09:15 CABG controversies: OPCABG, flowmeter, and more

S. Femes, *Toronto*

09:30 CABG vs PCI in acute coronary syndromes

S. Head, *Rotterdam*

09:45 BREAK

10:00 LIVE HEART TEAM from the Catholic University of Rome – (check technical details)

M. Massetti, *Rome*, G.A. Lanza, *Rome*

10:45 Improving early outcomes after CABG

T. Schwann, *Toledo*

11:00 The skeletons in the closet: graft failure, stroke, mediastinitis

F. Bakaeen, *Cleveland*

11:15 Coronary revascularization is a palliative procedure: importance of optimal medical therapy and follow-up

A. Kulik, *Boca Raton*

Organizers :

Coronary Surgery



Sat 20 Oct
10:00 - 11:30

From tricuspid valve repair to transcatheter replacement options

Focus Session

Brown 3

Moderator(s) : T. Walther, *Frankfurt am Main*

Panellist(s) : B. Pfannmueller, *Leipzig*, N. Buzzatti, *Milan*, J. Sjogren, *Lund*

Objectives :

To learn about indications and therapeutic options for tricuspid valve disease

10:00 Diagnostic workup and indication (anatomy, pulmonary hypertension, RV function, etc.)

M. Sitges, *Barcelona*

10:15 Surgical techniques for tricuspid valve repair (Ring - flexible vs rigid vs. sutures etc.)

B. Pfannmueller, *Leipzig*

10:30 Valve replacement options: when and how ?

M. De Bonis, *Milan*

10:45 Future surgical techniques for valve replacement: matrix and beyond (+video)

V. Falk, *Berlin*

11:00 Transcatheter repair options - are they effective ?

P. Lurz, *Leipzig*

11:15 Transcatheter tricupsid valve replacement - the future ?

M. Taramasso, *Zürich*

Organizers :

Mitral Valve Surgery



Sat 20 Oct
10:00 - 11:30

LAA management in the DOAC era

Focus Session

Brown 1

Objectives :

Indications LAA occlusion

Techniques in percutaneous and epicardial approaches

10:00 Why to close the LAA: Rationale and pathophysiology

M. Castella, Barcelona

10:15 Is there a need for LAA occlusion in the era of DOAC

10:30 Percutaneous approaches to the LAA. The surgeon's view

B. Maesen, Maastricht

10:45 Is there evidence supporting surgical LAA occlusion

M. Emmert, Zürich

11:00 Minimally invasive techniques to close the LAA - VIDEO

K. Bartus, Cracow

11:15 Between leaks and stumps, the importance of achieving 100%

Organizers :

Arrhythmia



Sat 20 Oct
10:00 - 11:30

BAV repair: I do the best technique for my patient

Focus Session

Amber 1&2

Objectives :

Speakers will all develop their own approach for a specific patient with severe BAV regurgitation, moderately dilated aortic root and large annulus. Speakers should show a short movie of their technique and explain why choose this techniques. The real case like described will be send tot hem before the meeting.

10:00 Case Presentation with preoperative echo description

M. Van Dyck, Woluwe-Saint-Lambert

10:10 Anatomy of aortic annulus

J.S. Rankin, Morgantown

10:20 I will do a double external ring annuloplasty (with video)

E. Lansac, Paris

10:30 I will do a remodeling plus suture annuloplasty (with video)

H.J. Schäfers, Homburg/Saar

10:40 I will do an isolated valve repair plus annuloplasty (with video)

R. De Paulis, Rome

10:50 I will do a Reimplantation (with video)

L. De Kerchove, Woluwe-Saint-Lambert

11:00 I do not need an annulopalsty with remodeling (with video)

P. Urbanski, Bad Neustadt

11:10 Discussion

Organizers :

Aortic



Sat 20 Oct
10:00 - 11:30

The right solution for the right ventricle

Focus Session

Amber 3

Moderator(s) : T. Doenst, *Jena*, I. Netuka, *Prague*

Panellist(s) : K. Lemstrom, *Helsinki*, P. Leprince, *Paris*, A. Ranasinghe, *Birmingham*

Objectives :

To learn about the importance of right ventricular failure for decision making in TVR and VAD surgery

10:00 How to assess right heart failure prior to VAD implant

10:15 Pulmonary endarterectomy for CTEPH

10:30 Portable artificial lung - LAD soon?

10:45 Percutaneous treatment of acute right heart failure - Live-in-a-box

C. Starck, Berlin

11:00 Bivent CF - VAD - live-in-a-box

J. Schmitto, Hannover

11:15 Tricuspid valve in right heart failure surgery or intervention - when and how?

Organizers :

Heart Failure



Sat 20 Oct
10:00 - 11:30

Emerging trends in tricuspid valve repair surgery

Rapid Response

Michelangelo

Objectives :

This session will focus on new frontiers in surgical and trans-catheter treatment of tricuspid regurgitation

10:00 Bicuspidalization and double rotation of the tricuspid valve in patients with ebstein anomaly and failing right ventricle, an evolution of the cone repair

A. Veshti, Tirana, A. Baboci, Tirana, N. Kuneshka, Tirana, E. Prifti, Tirana

10:08 Early Outcomes of Transcatheter Tricuspid Valve-in-Valve Implantation: a Case Series

G. Viotto,, São Paulo, R.C. Souza,, São Paulo, L. Paim, São Paulo, J. Aprigio,, São Paulo, L. Araújo,, São Paulo, R. Arieta, São Paulo, J.H. Palma,, São Paulo, F. Jatene, São Paulo

10:16 Impact of tricuspid annuloplasty on postoperative changes of right ventricular systolic and diastolic function

T. Sakata, Funabashi, K. Mogi, Funabashi, M. Sakurai, Funabashi, K. Tani, Funabashi, M. Hashimoto, Funabashi, Y. Takahara, Funabashi

10:24 The optimal tricuspid annular size for tricuspid annuloplasty in patient with less than moderate functional TR

J.W. Choi, Seoul, K.H. Kim,, Seoul, H.Y. Hwang, Seoul

Organizers :

Mitral Valve Surgery



Sat 20 Oct
14:15 - 15:45

Strategies to improve cardiac function and other oddities in the practice of cardiac surgery

Michelangelo

Rapid Response

Objectives :

Evaluation of reoxygenation protocols to improve ventricular function
Foreign bodies left by interventional cardiologist and the role of the surgeon

14:15 Is there a renoprotective value to leukodepletion during heart valve surgery? an external feasibility randomized controlled trial

E. Khoshbin, Newcastle, S. Spencer, Bailrigg, L. Solomon, Fulwood, E. Stokes, Oxford, L. Dabner, Bristol, J. Edwards, Bristol, R. Barnaby, Bristol, C. Rogers, Bristol

14:47 Left atrial volume index in preoperative assessment of elective cardiac surgery: a concealed diastolic marker of systemic complications

C. Spadaccio, Glasgow, A. Nenna, Roma, S. Das De, Glasgow, S. Avtaar Singh, Clydebank, A. Al-Adhami, Glasgow, O. Rashwan, Glasgow, G. Bozzetti, Glasgow, V. Pathi, Glasgow

14:55 ICU Readmissions after Cardiac Surgery: Meta-Analysis Versus Institutional Case-Control Study

M. Leistner, Goettingen, S. Asch, Goettingen, K. Ort, Goettingen, B. Danner, Goettingen, H. Baraki, Goettingen, I. Kutschka, Goettingen, H. Niehaus, Goettingen

15:11 Properly Designed Cardiac Support Device Without Right Ventricular Constraint Immediately Improves Cardiac function

T. Akita, Nagoya, A. Usui, Nagoya

15:19 Evaluation of cardiovascular implantable device infections: a single-center experience with 493 procedures

Z. Arnold, Vienna, G. Weiss, Vienna, D. Geisler, Vienna, H. Pisarik, Vienna, M. Grabenwöger, Vienna, D. Santer, Vienna

Sat 20 Oct
14:15 - 17:30

The Lion's Den and emerging technologies

Techno College

Auditorium

Organizers :





 **Saturday 20 October**

Sat 20 Oct
08:15 - 09:45

Enhanced recovery after surgery (ERAS)

Focus Session

Amber 7

08:15 Enhanced recovery after thoracic surgery

Organizers :

Allied Health

Sat 20 Oct
10:00 - 11:30

Zooming in topics

Focus Session

Amber 7

10:00 Guidelines pain management

10:20 History of thoracic surgery, is smaller always better

10:40 Surgical care practitioner topic

11:00 Year in review Cardiothoracic surgery

Organizers :

Allied Health

Sat 20 Oct
10:00 - 11:30

Career Development

Focus Session

Suite 5

10:00 Clinical fellowship abroad

E. Quintana, Barcelona

10:15 Mentoring young surgeons

S. Blackmon, Rochester

10:30 Postdoctoral research fellowships

10:45 Francis Fontan Fellowship

10:50 Francis Fontan Fellowship

10:55 Francis Fontan Fellowship

Organizers :

Residents



Sat 20 Oct
12:45 - 14:00

Allied Health - Abstracts

Focus Session

Amber 7

Organizers :
Allied Health

Sat 20 Oct
14:15 - 15:45

Allied Health - Workshop

Focus Session

Amber 7

14:15 From Evidence to Translation: "keep your move in the tube"

14:30 Best Presentation Award

Organizers :
Allied Health

 **Saturday 20 October**

Sat 20 Oct
08:15 - 09:45

Single ventricle 1: Can we avoid univentricular palliation

Professional Challenge

Botticelli

08:30 **Biventricular repair after hybrid Norwood**

V. Sojak, Leiden, R. Bokenkamp, Leiden, A. Schneider, Leiden, M. Hazekamp, Leiden

08:45 **Long-term results of ventricular septation for double inlet left ventricle**

M. Shimada, Osaka, T. Hoashi, Osaka, T. Nakata, Osaka, H. Ozawa, Osaka, H. Ichikawa, Osaka

09:30 **Hypoplastic left ventricle biventricular repair or univentricular palliation**



Sat 20 Oct
10:00 - 11:30

Single ventricle 2: Can we optimise univentricular palliation?

Professional Challenge

Botticelli

10:00 Do Stage 2 Palliation-related factors influence the outcomes after Fontan completion?

K. Vitanova, Munich, S. Shiraishi, Munich, B. Mayr, Munich, J. Cleuziou, Munich, E. Beran, Munich, A. Hager, Munich, R. Lange, Munich, M. Ono, Munich

10:15 Long-term result of atrioventricular valve surgery in patients with functional single ventricle : Should we avoid valve replacement?

J.H. Lim, Seoul, K. Woong-Han, Seoul, G.K. Jae, Seoul, J. Min, Seoul, J.W. Choi, Seoul

10:30 Long-term Outcomes of Fontan Operation in Patients with Total Anomalous Pulmonary Venous Drainage

M. Yong, Melbourne, M. Zhu, Melbourne, A. Bullock, Perth, T. Homung, Auckland, D. Winlaw, Sydney, N. Alphonso, Brisbane, Y. D'udekem, Melbourne, I. Konstantinov, Melbourne

10:45 Conventional High Risk Fontan Completion Patients can achieve low perioperative risk and benefit from Total Cavopulmonary Connection 7 years out

G. Viganò, Ancona, R. Gardiner, Dublin, K. Walsh, Dublin, P. Oslizlok, Dublin, L. Nolke, Dublin, M. Redmond, Dublin, C. McMahon, Dublin, J. McGuinness, Dublin

11:00 The impact of morphological characteristics on late outcomes in patients born with hypoplastic left heart syndrome

D. Newland, Parkville, C. Poh, Parkville, D. Zannino, Melbourne, P. Elias, Parkville, C. Brizard, Parkville, K. Finucane, Auckland, D. Winlaw, Sydney, Y. D'udekem, Parkville

11:15 The super Fontan

Sat 20 Oct
14:15 - 15:45

Surgery in adults presenting with congenital heart disease

Abstract

Botticelli

14:15 Results for tricuspid valve surgery in adult with congenital heart disease other than Ebstein's anomaly

M. Lo Rito, San Donato Milanese, M. Grandinetti, San Donato Milanese, G. Muzio, San Donato Milanese, A. Varrica, San Donato Milanese, A. Frigiola, San Donato Milanese, A. Micheletti, San Donato Milanese, M. Chessa, San Donato Milanese, A. Giamberti, San Donato Milanese

14:45 Long Term Clinical Outcome and Echocardiographic Function of Homografts in the Right Ventricular Outflow Tract

J. Romeo, Rotterdam, M. Mokhles, Rotterdam, P. Van De Woestijne, Rotterdam, P. De Jong, Rotterdam, A. Van Den Bosch, Rotterdam, I. Van Beynum, Rotterdam, J.J. Takkenberg, Rotterdam, A. Bogers, Rotterdam

15:00 Evaluation of functional capacity and quality of life in adolescents and adults with Tetralogy of Fallot after pulmonary valve implantation: the importance of preserving right ventricular function

L.F. Caneo, Sao Paulo, L. Amato, Sao Paulo, A. Turquetto, Sao Paulo, D. Agostinho, Sao Paulo, R. Neirotti, Michigan, M. Barnabe, Sao Paulo, G. Liberato, Sao Paulo, J. Marcelo, Sao Paulo

15:15 Surgical Ablation of Ventricular Tachycardia in repaired Tetralogy of Fallot patients

F. Caldaroni, San Donato Milanese, M. Lo Rito, San Donato Milanese, M. Chessa, San Donato Milanese, A. Varrica, San Donato Milanese, A. Micheletti, San Donato Milanese, C. Pappone, Milan, A. Giamberti, San Donato Milanese



Sat 20 Oct
16:00 - 17:30

Rapid fire - Congenital 3

Rapid Response

Titian

16:08 Weaning in children with left ventricular assist device support: a single center experience

R. Iacobelli, Roma, A. Di Molfetta, Rome, A. Toscano, Roma, F. Drago, Roma, S. Filippelli, Roma, L. Di Chiara, Roma, F.S. Iorio, Roma, A. Amodeo, Roma

16:16 Vacuum assisted closure vs closed irrigation for deep sternal wound infection treatment in infants: propensity score matching analysis

S. Ivantsov, Novosibirsk, I. Soyrov, Novosibirsk, Y. Kulyabin, Novosibirsk, A. Voitov, Novosibirsk, I. Komilov, Novosibirsk, A. Arhipov, Novosibirsk, N. Nichay, Novosibirsk, A. Bogachev-Prokophiev, Novosibirsk

16:24 Extubation on the operating table in children with restrictive right ventricular physiology undergoing biventricular repair

P. Nawrocki, Münster, K. Wisniewski, Münster, C. Schmidt, Münster, A. Brünen, Münster, V. Debus, Münster, E. Malec, Münster, K. Januszewska, Münster

16:32 Right atrial volume predicts the recurrence of atrial arrhythmia after arrhythmia surgery with pulmonary valve replacement in adult congenital heart disease

T. Kido, Osaka

16:40 The Peacock Study: Protocol and Feasibility study For Characterisation Of The Paediatric Hypothalamic-Pituitary-Adrenal Function During and After Heart Surgery

D. Fudulu, Bristol, G.D. Angelini, Bristol, F. Papadopoulou, Bristol, T. Upton, Bristol, M. Caputo, Bristol, S.C. Stoica, Bristol, S. Lighthman, Bristol, B. Gibbison, Bristol

16:48 Outcomes and quality of life in Ross reoperations: would you make the same choice again?

A. Varrica, San Donato Milanese, F. Caldaroni, San Donato Milanese, G. Saitto, Roma, A. Satriano, San Donato Milanese, M. Lo Rito, San Donato Milanese, M. Reali, San Donato Milanese, A. Frigiola, San Donato Milanese, A. Giamberti, Milan



 **Saturday 20 October**

Sat 20 Oct
08:15 - 11:30

Anatomical segmentectomies

Techno College

Amber 6

08:15 Live surgery from Shanghai

08:30 Live in the box: R S1+2 sementectomy

08:45 Live in the box: S9+10 sementectomy

09:00 Live in the box: segmentectomy S6

A. Sihoe, Hong Kong

09:15 Live in the box: segmentectomy S1-3

A. Sihoe, Hong Kong

09:30 Live in the box: segmentectomy S7

T. Batchelor, Bristol

09:45 Live in the box: segmentectomy

T. Batchelor, Bristol

10:00 Segmental anatomy and identifying interlobular planes

M. Sato, Tokyo

10:15 Live in the box: segmentectomy and sleeve segmentectomy

M. Sato, Tokyo

10:30 Where are the pitfalls?

Sat 20 Oct
14:15 - 15:45

Surgery for Ground Glass Opacities - a waste of time?

Focus Session

Amber 6

14:15 Development of a GGO guideline

A. Sihoe, Hong Kong

14:30 Is this the final pathological classification of GGOs

14:45 Non-solid GGO: watchful waiting or resect?

M. Ibrahim, Roma

15:00 What will the upcoming studies on lobar versus sublobar resection show us?

S. Blackmon, Rochester



Sat 20 Oct
15:59 - 17:30

Film - Thoracic

Abstract

Amber 6

Moderator(s) : M. Buchko, *Edmonton*, T. Lacin, *Istanbul*, P. Rajesh, *Birmingham*

15:59 Posterior uniportal video-assisted thoracoscopic approach for left S2 resection followed by completion of lobectomy (potential catastrophic event)

D. Stamenovic, Karlsruhe, A. Messerschmidt, Karlsruhe

16:25 Hybrid Surgical Resection of a Tumor Invading the Superior Vena Cava

J. Son, Yangsan, B.S. Son, Yangsan, D. Kim, Yangsan, J.M. Park,, Yangsan-si, S.H. Lee, Yangsan

16:38 Robotic segmentectomy guided by endobronchial Indocyanine green

A.R. Dhanji, London, B. Hopper, London, H. Wilson, London, K. Lau,, London, D. Waller, London, S. Stamenkovic, London

16:51 The use of robotic assisted thoracoscopic lung volume reduction surgery with intraoperative firefly in vivo fluorescence assessment of perfusion

G. Luciano, London, S.M. Kolokotroni, London, Z. Khan, London, K. Lau, London, H. Wilson, London, S. Stamenkovic, London, D. Waller, London

17:04 Complete superior vena cava resection for invasive thymoma

N. Asadi, London, J. Barr, London, P. Perikleous, London, V. Anikin, London

17:17 Uniportal Left Upper Lobectomy Bronchoplasty. A challenging case

M. Refai, Ancona, M. Andolfi, Ancona, A. Sabbatini, Ancona