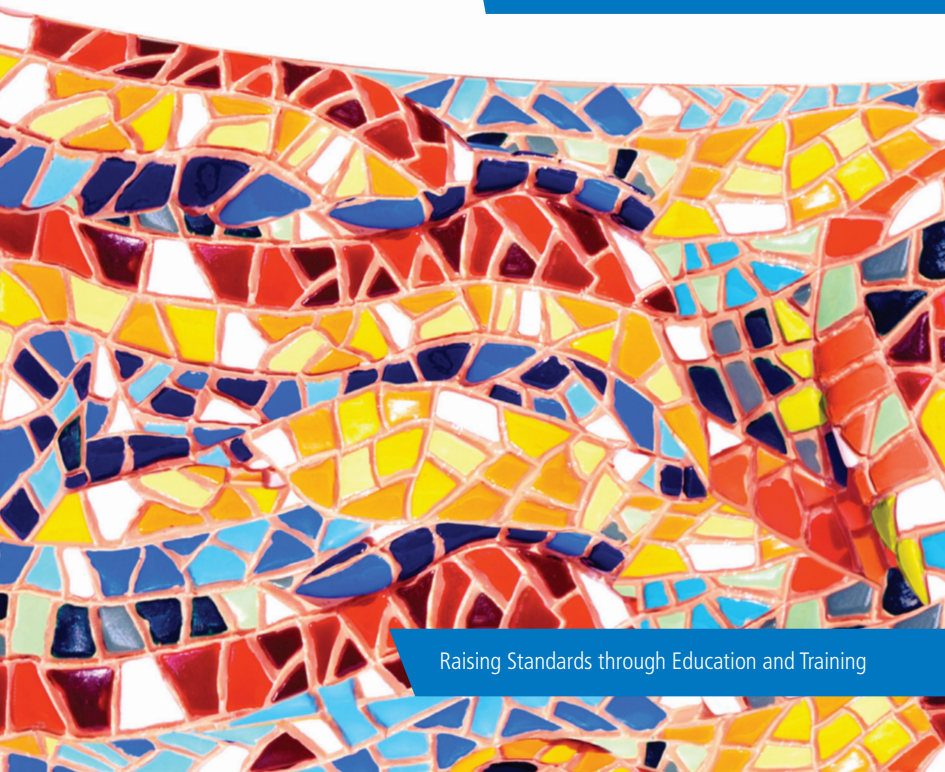
EACTS
European Association For Cardio-Thoracic Surgery

30th EACTS Annual Meeting

Barcelona, Spain
1–5 October 2016

Final Programme

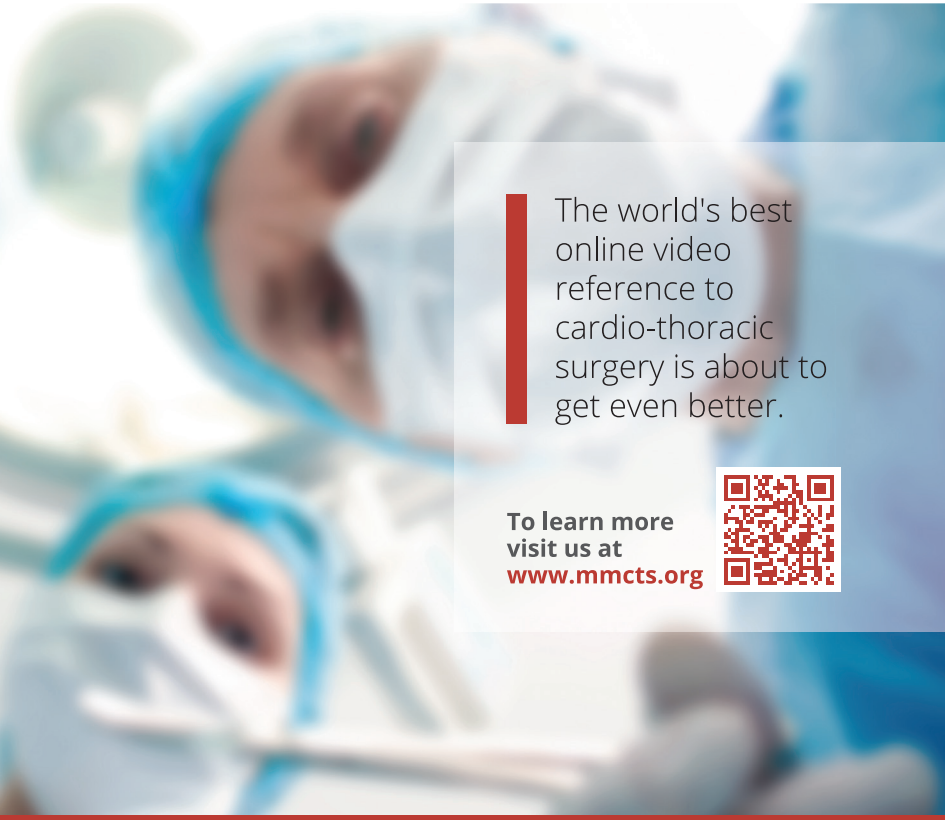


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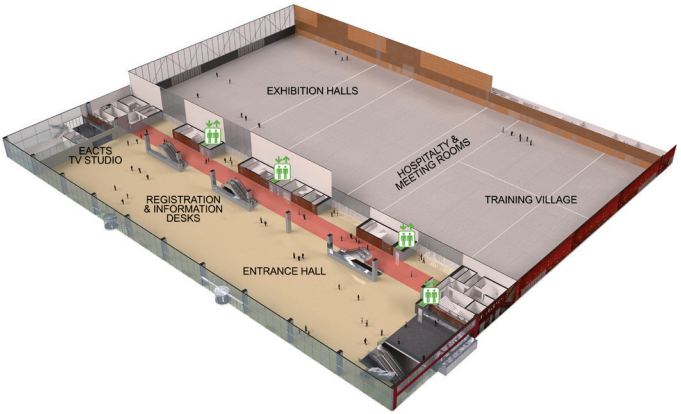
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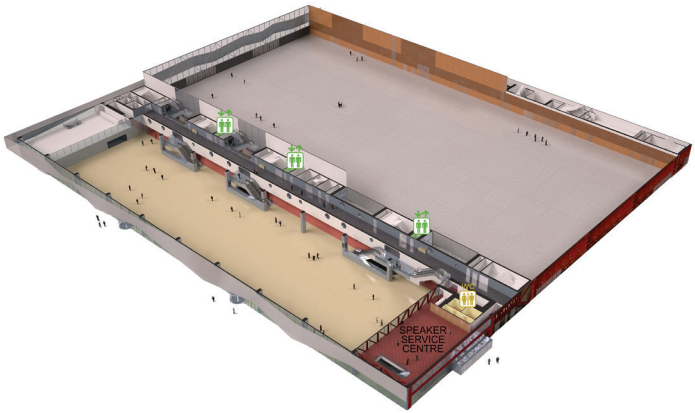
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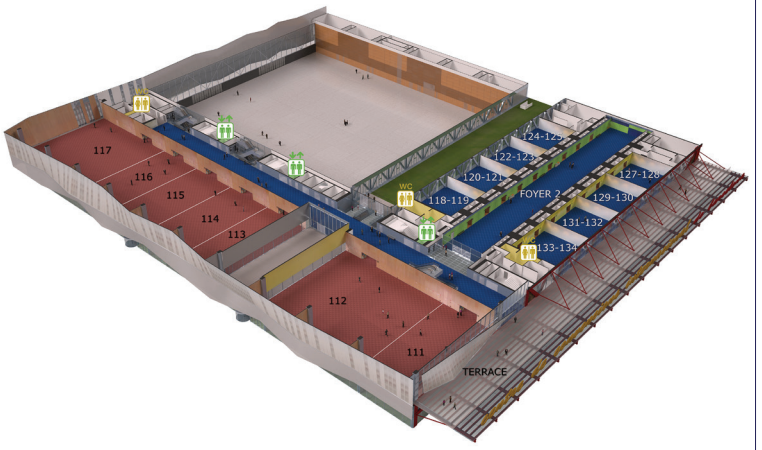
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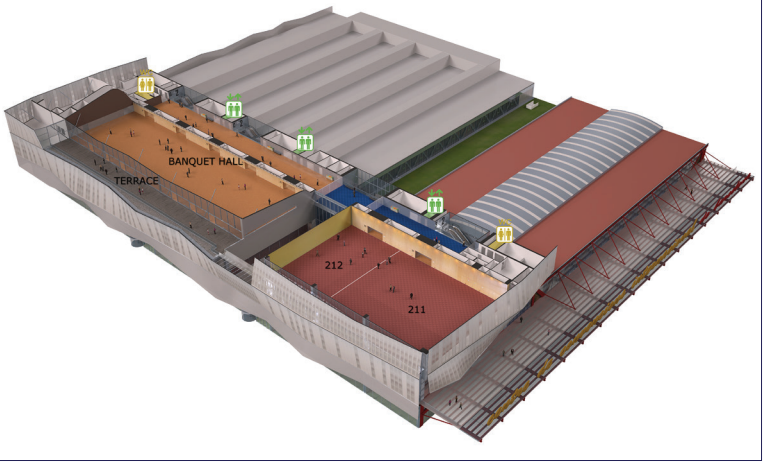
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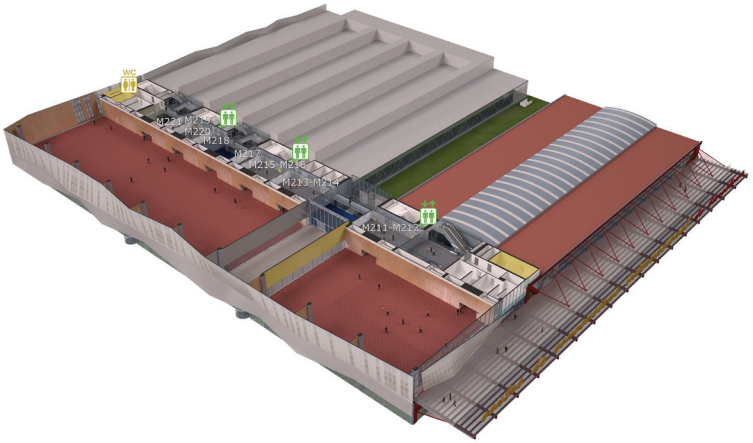
Level 2



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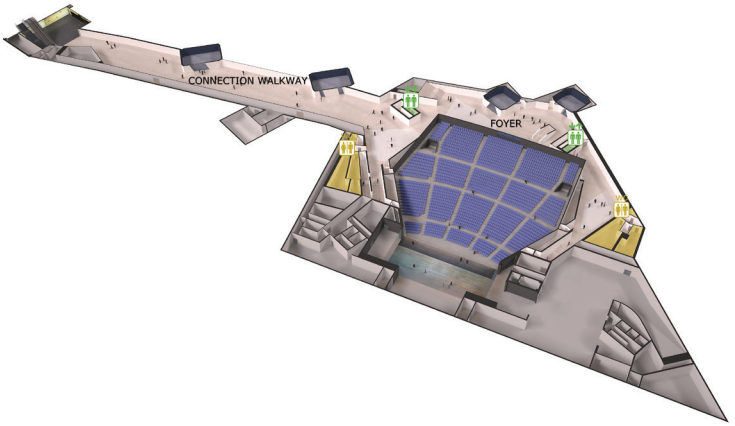
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CCIB - Forum Auditorium

Lower Level in use Saturday 1 October only - Techno-College: Acquired Cardiac Disease

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All Sessions

Domain Legend: *Acquired* *Thoracic* *Congenital* *Vascular* *Plenary* *All Domains*

Times	Session Title	Room	Session Type	Pg
Saturday 1 October 2016				
08:00-10:10	Aortic valve	Forum	Techno College	23
09:00-12:30	Beyond conventional video assisted thoracic surgery: Part 1	113	Techno College	93
10:30-12:20	Atrioventricular valve 1	Forum	Techno College	24
13:15-14:45	Aorta, Ablation, and Assist devices	Forum	Techno College	24
13:30-16:00	Beyond conventional video assisted thoracic surgery: Part 2	113	Techno College	94
14:00-17:00	Valve sparing aortic root replacement	114	Wetlab	115
15:10-18:00	Atrioventricular valve 2	Forum	Techno College	25
Sunday 2 October 2016				
08:15-09:45	Latest trials in cardiovascular medicine	116+117	Focus Session	26
08:15-10:15	Young Investigator Awards	212	Abstract	26
08:15-15:00	Perfusion Programme	115	Focus Session	27
08:15-09:45	Failing Fontan	111	Focus Session	116
08:15-09:45	State of the art in airway and esophageal endoluminal therapy	131+132	Focus Session	95
08:15-09:45	Basic science: Thoracic	120+121	Focus Session	95
08:15-09:45	EACTS/STS - Acute type A dissection	113	Professional Challenge	129
08:15-09:45	Preparing your scientific breakthrough: from abstract to paper	122+123	Focus Session	29
09:00-16:15	Allied Health Professionals' Programme	133+134	Focus Session	29
09:45-11:40	TAVR versus SAVR: David and Goliath	116+117	Focus Session	31
10:00-11:30	When strategy fails - Case based	112	Focus Session	31
10:00-11:30	Meet the experts - nightmare/complicated cases	111	Focus Session	116
10:00-11:30	Training in cardio-thoracic surgery	118+119	Focus Session	32
10:00-11:30	Neuroendocrine lung tumours: where do we stand?	131+132	Focus Session	96
10:00-11:30	EACTS/STS - Type B aortic dissection	113	Professional Challenge	130
11:45-13:15	The whole is greater than the sum of its parts: a strong team for a better outcome	116+117	Plenary	32
13:30-15:00	Jeopardy Preliminary Rounds	212	Competition	35
13:30-15:00	The mitral valve with a smile!	116+117	Focus Session	33
13:30-15:00	Latest news and research on treatment of aortic valve stenosis	112	Focus Session	33
13:30-15:00	Defining good outcomes after aortic root surgery	113	Abstract	131
13:30-15:00	Surgical videos	111	Abstract	117

Domain Legend: *Acquired* *Thoracic* *Congenital* *Vascular* *Plenary* *All Domains*

Times	Session Title	Room	Session Type	Pg
Sunday 2 October 2016				
13:30-15:00	Oncology tumor board	131+132	Focus Session	97
13:30-15:00	Treatment of patients with bicuspid aortic valves	118+119	Focus Session	34
13:30-15:00	Basic Science - Cardiac	120+121	Focus Session	34
13:30-15:00	Statistics from scratch: finding your way through the forest of options…	122+123	Focus Session	35
15:15-16:45	Expanding indications for transcatheter heart valves	116+117	Focus Session	35
15:15-16:45	Minimally invasive mitral surgery	115	Abstract	37
15:15-16:45	Arch and descending aortic pathology	113	Abstract	132
15:15-16:45	Balancing a surgical career with a family	114	Focus Session	36
15:15-16:45	Monitoring Quality in Your Unit (State of the Art)	112	Focus Session	37
15:15-16:45	Surgery for advanced infectious disease	131+132	Focus Session	98
15:15-16:45	Congenital Rapid Response - Miscellaneous	211	Rapid Response	118
15:15-16:45	Trends in aortic valve replacement	212	Rapid Response	38
Monday 3 October 2016				
08:15-11:45	Wire skills transcatheter aortic valve implantation	116+117	Professional Challenge	39
08:15-09:45	Personalized revascularization strategies	115	Focus Session	40
08:15-09:45	Aortic valve repair - When and how	114	Focus Session	40
08:15-09:45	Evidence based decision making in aortic valve surgery	112	Focus Session	41
08:15-09:45	Extra corporeal circulation/Left ventricular assist device/Transplantation 1	133+134	Abstract	41
08:15-09:45	Minimising sternal wound complication	211	Rapid Response	42
08:15-09:45	Joint Session EACTS SBCCV PASCaTS – Cardiac surgery in underserved regions	120+121	Focus Session	43
08:15-09:45	Univentricular heart - Fontan	111	Abstract	120
08:15-09:45	Oncology I	131+132	Abstract	99
08:15-09:45	Update on thymic surgery	129+130	Focus Session	100
08:15-09:45	The aorta and the bicuspid valve	113	Focus Session	133
08:15-09:45	Type A Aortic dissection from research to clinical application	212	Rapid Response	133
08:15-09:45	How to perform more advanced statistics: basics and pitfalls	118+119	Focus Session	44
08:15-09:45	Work in progress	122+123	Abstract	44
10:15-11:45	Coronary artery bypass graft and percutaneous coronary intervention	114	Abstract	45
10:15-11:45	Endocarditis	112	Abstract	46

Domain Legend: *Acquired* *Thoracic* *Congenital* *Vascular* *Plenary* *All Domains*

Times	Session Title	Room	Session Type	Pg
Monday 3 October 2016				
10:15-11:45	Nightmares in cardio-thoracic surgery	115	Focus Session	50
10:15-11:45	Your educational pathway in surgery: how can EACTS help you?	118+119	Focus Session	50
10:15-11:45	Extra corporeal circulation/Left ventricular assist device/Transplantation 2	133+134	Abstract	46
10:15-11:45	Robotics revisited	122+123	Focus Session	47
10:15-11:45	Cardiac General	211	Rapid Response	48
10:15-11:45	An update on mitral valve interventions	212	Rapid Response	49
10:15-11:45	Hypoplastic left heart syndrome	111	Abstract	121
10:15-11:45	Basic science and lung transplantation	131+132	Abstract	101
10:15-11:45	The future of early stage non-small cell lung cancer	129+130	Focus Session	102
10:15-11:45	How can we work together? Latin America, Africa and Asia Perspective	120+121	Focus Session	51
10:15-11:45	Repairing a bicuspid valve	113	Focus Session	135
11:50-12:30	Presidential Address	116+117	Plenary	51
14:15-15:45	Mitral valve repair beyond P2	116+117	Focus Session	52
14:15-15:45	Hypertrophic obstructive cardiomyopathy revisited	115	Focus Session	52
14:15-15:45	Transcatheter aortic valve implantation	114	Abstract	53
14:15-17:30	Rhythm Surgery in the upcoming decade	112	Professional Challenge	54
14:15-15:45	Blood management	133+134	Abstract	55
14:15-15:45	Developments in assist devices and transplantation	211	Rapid Response	55
14:15-15:45	Congenital miscellaneous 1	111	Abstract	122
14:15-15:45	Oesophagus	131+132	Abstract	103
14:15-15:45	VATS lobectomy	129+130	Abstract	103
14:15-15:45	How to - video session 1	113	Focus Session	136
14:15-15:45	Meta-analysis from start to finish	118+119	Focus Session	57
14:15-15:45	Jeopardy Final	212	Competition	57
16:00-17:30	Transcatheter mitral valve intervention - Our business	116+117	Focus Session	57
16:00-17:30	Improving outcomes in hypertrophic obstructive cardiomyopathy (HOCM)	115	Abstract	58
16:00-17:30	Innovations in treatment of aortic valve disease	114	Abstract	59
16:00-17:30	Minimally invasive aortic valve replacement - How to do it right in all patients	118+119	Focus Session	59
16:00-17:30	Translational vascular biology	133+134	Abstract	60

All Sessions

Domain Legend: *Acquired* *Thoracic* *Congenital* *Vascular* *Plenary* *All Domains*

Times	Session Title	Room	Session Type	Pg
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16:00-17:30	Adult Cardiac	211	Rapid Response	62
16:00-17:30	Congenital miscellaneous 2	111	Abstract	123
16:00-17:30	Diaphramatic disease	129+130	Focus Session	104
16:00-17:30	Thoracic	212	Rapid Response	105
16:00-17:30	Thoracic and thoraco-abdominal aneurysms treatment: Surgery after thoracic endovascular aortic repair and thoracic endovascular aortic repair after surgery	113	Focus Session	137
16:00-17:30	Meet the experts	122+123	Focus Session	63
18:00-18:30	EACTS General Assembly	111	Members only	18
Tuesday 4 October 2016				
08:15-11:45	Fighting infection in cardiac surgery	116+117	Professional Challenge	64
08:15-09:45	Bioprosthetic valve durability: also for younger patients?	115	Focus Session	65
08:15-09:45	Atrial fibrillation and management of the left atrial appendage	114	Focus Session	65
08:15-09:45	Tricuspid valve - repair and replacement	112	Abstract	66
08:15-09:45	Translational regenerative medicine for cardio-thoracic surgeons	118+119	Focus Session	67
08:15-09:45	Bicuspid aortic valve and its challenges	122+123	Focus Session	67
08:15-09:45	Coronary artery bypass graft: Decreasing complications & improving graft potency	211	Rapid Response	68
08:15-09:45	Management of coarctation in newborn and infants	111	Professional Challenge	124
08:15-09:45	Mesothelioma	131+132	Abstract	106
08:15-09:45	Experimental models for basic research in thoracic surgery	129+130	Focus Session	107
08:15-09:45	Connective tissue disorders and aortic disease: New Frontiers in Diagnosis and Management	113	Focus Session	138
08:15-09:45	Starting a trial: what you must know	120+121	Focus Session	69
10:15-11:45	Late tricuspid regurgitation after previous mitral valve surgery	115	Focus Session	69
10:15-11:45	Stand-alone and concomitant MAZE is an evidence based procedure	114	Abstract	70
10:15-11:45	Coronary artery bypass graft: From start to finish	112	Abstract	71
10:15-11:45	Functional mitral insufficiency	133+134	Abstract	71
10:15-11:45	Transcatheter aortic valve implantation 2	118+119	Abstract	72

All Sessions

Domain Legend: *Acquired* *Thoracic* *Congenital* *Vascular* *Plenary* *All Domains*

Times	Session Title	Room	Session Type	Pg
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10:15-11:45	Improving outcome of left ventricle assist device therapy	120+121	Focus Session	73
10:15-11:45	Risk modelling and scoring systems in cardiac surgery	212	Rapid Response	74
10:15-11:45	Management of aortic arch obstruction beyond infancy	111	Professional Challenge	124
10:15-11:45	Interdisciplinary maximally invasive thoracic surgery	131+132	Focus Session	107
10:15-11:45	Non-oncology	129+130	Abstract	108
10:15-11:45	Arch surgery: Towards a low mortality and low complications rate	113	Focus Session	139
10:15-11:45	Simulation based training	122+123	Focus Session	75
11:50-12:30	Honoured Guest lecture	116+117	Plenary	75
12:00-14:00	Resident's luncheon - The force awakens: training of the new Jedi	Banquet Hall	Plenary	75
14:15-15:45	People skills for surgeons	116+117	Focus Session	76
14:15-15:45	Coronary artery bypass graft: Minimally invasive and hybrid revascularisation	115	Abstract	76
14:15-15:45	Who will do well after aortic valve replacement?	114	Abstract	77
14:15-15:45	Designing a valve centre of excellence; not just numbers!	113	Focus Session	78
14:15-15:45	Electrophysiology and the surgeon	112	Focus Session	78
14:15-15:45	Catheter based mitral valve techniques	120+121	Abstract	79
14:15-15:45	Valves	111	Abstract	125
14:15-15:45	Chest wall and mediastinum	131+132	Abstract	109
14:15-15:45	Thoracic	212	Rapid Response	110
14:15-15:45	The old, the new, the evident in aortic surgery	211	Rapid Response	140
14:15-15:45	Interpreting randomized trial data	118+119	Focus Session	80
14:15-15:45	Pro and Cons debates	122+123	Focus Session	80
16:00-17:30	Complications in mitral valve surgery	116+117	Abstract	81
16:00-17:30	Tissue repair and myocardial homestasis	114	Abstract	82
16:00-17:30	Aortic valve replacement - rapid deployment valves	112	Abstract	83
16:00-17:30	From cardiac surgery guidelines to aircrew licensing regulations	133+134	Focus Session	84
16:00-17:30	Beyond lines and clips	212	Rapid Response	85
16:00-17:30	Tetralogy of Fallot / pulmonary atresia	111	Abstract	126
16:00-17:30	Oncology 2	129+130	Abstract	111
16:00-17:30	Future surgical approach for routine anatomical lung resections	131+132	Focus Session	112

All Sessions

Domain Legend: *Acquired* *Thoracic* *Congenital* *Vascular* *Plenary* *All Domains*

Times	Session Title	Room	Session Type	Pg
Tuesday 4 October 2016				
16:00-17:30	Endovascular competence for the cardiac surgeon. Keeping in track.	113	Focus Session	141
16:00-17:30	Complex case discussions in adult cardiac surgery	122+123	Focus Session	86
16:00-17:30	EACTS publications: Best papers	211	Focus Session	86
Wednesday 5 October 2016				
09:00-12:30	A future without suture: where we stand?	112	Focus Session	88
09:00-10:30	Multiple arterial grafting: how I do it	133+134	Focus Session	89
09:00-12:00	Controversies and catastrophes in cardiac surgery	122+123	Advanced Techniques	90
09:00-12:00	Mitral Valve Repair	111	Wetlab	91
09:00-12:00	How to do it, with live-in-a-box?	127+128	Focus Session	91
09:00-10:30	Video & Case Study 1	129+130	Abstract	113
09:00-10:30	Thoracic	131+132	Wetlab	113
11:00-12:30	Video & Case Study 2	129+130	Abstract	114
11:00-12:30	Thoracic	131+132	Wetlab	114
09:00-12:30	Aortic Valve Repair	118+119	Wetlab	142

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On Site Information

Admission Badges

For organisation and security reasons, name badges must be worn at all times at the congress venue. Changes to name badges on–site will be charged at €25. A fee of €100 will be charged for the replacement of lost badges.

Breaks (Lunch and Refreshments)

Saturday 1 October

Techno College. Lunch and refreshment breaks are included in the delegate fee and will be available in the meeting room foyers.

Sunday 2 October – Wednesday 5 October

Refreshment breaks (coffee and tea) are included in the in the registration fee. Lunch is not included. There will be cash catering points available where delegates may purchase food and drinks.

Sunday 2:
Refreshment breaks 09:45–10:15. Lunch 12:00-14:00 – Foyer areas.

Monday 3 and Tuesday 4:
Refreshment break 09:45–10:15 and 15:45–16:00. Lunch 12:45–14:00 – Exhibition Halls

Wednesday 5:
Refreshment break 10:00–10:30 depending on programmes – Foyer areas

Certificates of Attendance

Certificates of attendance are available from the registration desks or alternatively via the EACTS user area.

City Information

Visit **www.barcelonaturisme.com/wv3/en** for information on Barcelona.

CME Credit Allowance

The 'European Association for Cardio-Thoracic Surgery (EACTS)' has applied to the European Accreditation Council for Continuing Medical Education (EACCME) for accreditation of the 30th EACTS Annual Meeting. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net. CME certificates will be available from the registration desks.

Disclaimer

The European Association for Cardio-Thoracic Surgery (EACTS) cannot accept any liability for death, injury, or any loss, cost or expense suffered or incurred by any person if such loss is caused or results from the act, default or omission of any person other than an employee or agent of EACTS. In particular, the EACTS cannot accept any liability for losses arising from the provision or non-provision of services provided by hotel companies or transport operators. Nor can EACTS accept liability for losses suffered by reason of war including threat of war, riot and civil strife, terrorist activity, natural disaster, weather, flood, drought, technical, mechanical or electrical breakdown within any premises visited by delegates and/or partners in connection with the Annual Meeting, industrial disputes, governmental action, regulation or technical problems which may affect the services provide in connection with the Annual Meeting. EACTS is not able to give any warranty that a particular person will appear as a speaker or panellist.

Disclosures

Conflict of Interest statements are available at: www.eacts.org

First Aid

Should you require first aid assistance, please contact the registration desk or any uniformed member of the meeting staff.

Hotel Information

Barcelo Congresos has been appointed by EACTS as the exclusive housing agency to manage hotel accommodation for the 30th EACTS Annual Meeting:

www.barcelocongresos.com.es/eacts2016/index.html

Tel: +34 93 882 38 7

Warning: There are an increasing number of fraudulent websites that impersonate EACTS and our Annual Meeting. We would like to alert all our members and delegates to be aware of possible scams and to strongly advise you to only use the official EACTS housing agency for your accommodation bookings.

Insurance and Liability

Participants are encouraged to make their own arrangements in respect of health and travel insurance. Neither EACTS nor any of its appointed agencies can be held responsible for any personal injury, loss, damage, accident to private property or additional expense incurred as a result of delays or changes in air, rail, sea, road or other services, strikes.

Language

The official language of the Annual Meeting is English.

Mobile Phones

Please do not forget to turn your mobile phones to silent mode during sessions.

No Smoking

Smoking is strictly prohibited in all meeting, catering and foyer areas AT ALL TIMES.

Opening Hours

Scientific programme

Saturday 1 October	08:00–18:00
Sunday 2 October	08:15–16:45
Monday 3 October	08:15–17:30
Tuesday 4 October	08:15–17:30
Wednesday 5 October	09:00–12:30

Photographs and video recording

The use of any photographic or recording device in the scientific sessions is **strictly prohibited**. This includes, but is not limited to, mobile telephones, digital and still cameras, video and/or audio recording devices.

Registration

Registration desks will be located in the Entrance Foyer, Level 0, and open as follows:

Friday 30 September	14:00–18:00
Saturday 1 October	07:00–19:00
Sunday 2 October	07:30–19:00
Monday 3 October	07:45–17:30
Tuesday 4 October	07:45–17:30
Wednesday 5 October	08:30-12:00

To avoid unnecessary delay, you are strongly recommended to register and collect Meeting documentation on Friday 30 September and Saturday 1 October if possible.

Delegates who have registered prior to the event should report to the E-badge area where they will be able to print out their badge and other relevant documentation.

For information on fees please refer to: www.eacts.org/annual-meeting/registration

Residents' Lunch

The Resident's Lunch, is open to all Residents will be held on Tuesday 4 October in the Banquet Hall on Level 2. Pre booking is essential via the registration desks and is subject to availability.

Social Events

Welcome Reception

A welcome reception will be held in the exhibition halls on Sunday 2 October from 17:00-19:00.

All registered delegates are welcome to attend.

30th Anniversary Celebratory Evening

Join us in celebrating 30 years of EACTS from 19.30-24.00 on Tuesday 4 October. To mark the decade in which EACTS was founded we are holding a special 80s themed evening at the Museu Nacional d'Art de Catalunya (MNAC). A full programme of entertainment is planned, including dancing to the EACTS House Band. 80s dress is encouraged with a prize for the best outfit! Admission is by invitation only and must be purchased in advance at €90 per person (subject to availability).

Technical Exhibition

The Exhibition will take place in Halls 1, 2, & 3 on the Ground Floor as follows:

Sunday 2 October	15:00–19:00
Monday 3 October	09:00–17:00
Tuesday 4 October	09:00–17:00

Training Village

The following organisations will be holding training sessions in the Training Village in Halls 5, 6, 7 & 8 on the Ground Floor (opening times as for the Technical Exhibition above):

AtriCure Europe BV
B Braun
Edwards Lifesciences
HeartWare Inc
Johnson & Johnson Medical Ltd
LivaNova
LSI Solutions
Medtronic International Trading SÁRL
NeoChord
St Jude Medical
Terumo Cardiovascular

Venue and Travel

Centre Convencions Internacional de Barcelona (CCIB)
Plaça de Willy Brandt, 11-14
08019 Barcelona
www.ccib.es

Metro: L4 - Next to Plaça Catalunya - Urquinaona station or the metro yellow line (L4) leads directly to the CCIB by Maresme-Forum station
Tram: alight at Forum station
Bus: Lines 7, H16 will take you to the CCIB

NO SMOKING POLICY

Smoking is strictly prohibited in all meeting, catering and foyer areas **AT ALL TIMES.**

Saturday 1 October 2016 – Techno College		
Forum Auditorium	**Room 113**	**Room 114**
08:00-10:10 Aortic valve	09:00-16:00 Beyond conventional video assisted thoracic surgery	14:00-17:00 Valve sparing aortic root replacement
10:30-12:20 Atrioventricular valve 1		
13:15-14:45 Aorta, Ablation, and Assist devices		
15:10-18:00 Atrioventricular valve 2		

For detailed programme and break times refer to individual programmes and on the APP

Acquired Cardiac Disease | Thoracic Disease | Congenital Disease | Vascular Disease | All Domains

Sunday 2 October 2016												
111	112	113	114	115	116+117	118+119	120+121	122+123	124	131+132	133+134	211	212
08:15-09:45 Failing Fontan		08:15-09:45 EACTS/STS - Acute type A dissection		08:15-09:45 Perfusion - Session 1	08:15-09:45 Latest trials in cardiovascular medicine		08:15-09:45 Basic science: Thoracic	08:15-09:45 Preparing your scientific breakthrough: from abstract to paper		08:15-09:45 State of the art in airway and esophageal endoluminal therapy	09:00-09:45 Allied Health Professionals Programme - Pain		08:15-10:15 Young Investigator Awards
09:45 - 10:00 Break													
10:00-11:30 Meet the experts - nightmare/ complicated cases	10:00-11:30 When strategy fails - Case based	10:00-11:30 EACTS/ STS - Type B aortic dissection		10:00-11:30 Perfusion - Session 2	09:45-11:40 TAVR versus SAVR: David and Goliath 11:45-13:15 The whole is greater than the sum of its parts: a strong team for a better outcome	10:00-11:30 Training in cardio-thoracic surgery				10:00-11:30 Neuroendocrine lung tumours: where do we stand?	10:00-10:40 Allied Health Professionals Programme - Innovation 10:45-12:00 Allied Health Professionals Programme - Nursing		
12:00-14:00 Cash lunch available - foyer areas													

For detailed programme and break times refer to individual programmes and on the APP

Acquired Cardiac Disease | Thoracic Disease | Congenital Disease | Vascular Disease | All Domains

Sunday 2 October 2016

111	112	113	114	115	116+117	118+119	120+121	122+123	124	131+132	133+134	211	212
13:30-15:00 Surgical videos	13:30-15:00 Latest news and research on treatment of aortic valve stenosis	13:30-15:00 Defining good outcomes after aortic root surgery		13:30-15:00 Perfusion - Session 3	13:30-15:00 The mitral valve with a smile!	13:30-15:00 Treatment of patients with bicuspid aortic valves	13:30-15:00 Basic Science - Cardiac	13:30-15:00 Statistics from scratch: finding your way through the forest of options…		13:30-15:00 Oncology tumour board	13:30-14:45 Allied Health Professionals Programme - Abstracts		13:30-15:00 Jeopardy Preliminary Rounds
15:00-19:00 Exhibition Opens (Welcome Reception 17:30-18:30)													
	15:15-16:45 Monitoring Quality in Your Unit: State of the Art	15:15-16:45 Arch and descending aortic pathology	15:15-16:45 Balancing a surgical career with a family	15:15-16:45 Minimally invasive mitral surgery	15:15-16:45 Expanding indications for transcatheter heart valves					15:15-16:45 Surgery for advanced infectious disease	15:15-16:15 Allied Health Professionals Programme - Closing the day	15:15-16:45 Congenital Rapid Response - Miscellaneous	15:15-16:45 Trends in Aortic valve replacement

Acquired Cardiac Disease | Thoracic Disease | Congenital Disease | Vascular Disease | All Domains

Monday 3 October 2016 - Scientific Programme, Professional Challenges and Focus Sessions

111	112	113	114	115	116+117	118+119	120+121	122+123	124	127+128	129+130	131+132	133+134	211	212
08:15-09:45 Univentricular heart - Fontan	08:15-09:45 Evidence based decision making in aortic valve surgery	08:15-09:45 The aorta and the bicuspid valve	08:15-09:45 Aortic valve repair - When and how	08:15-09:45 Personalized revascularization strategies	08:15-11:45 Wire skills transcatheter aortic valve implantation	08:15-09:45 How to perform more advanced statistics: basics and pitfalls	08:15-09:45 Joint Session EACTS SBCCV PASCaTS – Cardiac surgery in underserved regions	08:15-09:45 Work in progress			08:15-09:45 Update on thymic surgery	08:15-09:45 Oncology I	08:15-09:45 Extra corporeal circulation/ Left ventricular assist device/ Transplantation 1	08:15-09:45 Minimising sternal wound complication	08:15-09:45 Type A Aortic dissection from research to clinical application
09:45-10:15 Break, Exhibition Halls															
10:15-11:45 Hypoplastic left heart syndrome	10:15-11:45 Endocarditis	10:15-11:45 Repairing a bicuspid valve	10:15-11:45 Coronary artery bypass graft and percutane-ous coronary intervention	10:15-11:45 Nightmares in cardio-thoracic surgery		10:15-11:45 Your educational pathway in surgery: how can EACTS help you?	10:15-11:45 How can we work together? Latin America, Africa and Asia Perspective	10:15-11:45 Robotics revisited			10:15-11:45 The future of early stage non-small cell lung cancer	10:15-11:45 Basic science and lung transplantation	10:15-11:45 Extra corporeal circulation/ Left ventricular assist device/ Transplantation 2	10:15-11:45 Cardiac General	10:15-11:45 An update on mitral valve interventions
11:50-12:30 Presidential Address - Room 116+117															
12:45-14:00 Lunch, Visit Exhibits, Satellite Symposia															

For detailed programme and break times refer to individual programmes and on the APP

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Monday 3 October 2016 - Scientific Programme, Professional Challenges and Focus Sessions

111	112	113	114	115	116+117	118+119	120+121	122+123	124	127+128	129+130	131+132	133+134	211	212
14:15-15:45 Congenital miscellaneous 1	14:15-15:45 Rhythm Surgery in the upcoming decade	14:15-15:45 How to - video session 1	14:15-15:45 Transcatheter aortic valve implantation	14:15-15:45 Hypertrophic obstructive cardiomyopathy revisited	14:15-15:45 Mitral valve repair beyond P2	14:15-15:45 Meta-analysis from start to finish					14:15-15:45 VATS lobectomy	14:15-15:45 Oesophagus	14:15-15:45 Blood management	14:15-15:45 Developments in assist devices and transplantation	14:15-15:45 Jeopardy
15:45-16:00 Break, Exhibition Halls															
16:00-17:30 Congenital miscellaneous 2		16:00-17:30 Thoracic and thoraco-abdominal aneurysms treatment: Surgery after thoracic endovascular aortic repair and thoracic endovascular aortic repair after surgery	16:00-17:30 Innovations in treatment of aortic valve disease	16:00-17:30 Improving outcomes in hypertrophic obstructive cardiomyopathy (HOCM)	16:00-17:30 Transcatheter mitral valve intervention - Our business	16:00-17:30 Minimally invasive aortic valve replacement - How to do it right in all patients	16:00-17:30 Regeneration - Preservation	16:00-17:30 Meet the experts			16:00-17:30 Diaphramatic disease		16:00-17:30 Translational vascular biology	16:00-17:30 Adult Cardiac - Rapid Response	16:00-17:30 Thoracic - Rapid Response
18:00-18:30 EACTS General Assembly, Room 111															

Acquired Cardiac Disease | Thoracic Disease | Congenital Disease | Vascular Disease | All Domains

Tuesday 4 October 2016 - Scientific Programme, Professional Challenges and Focus Sessions

111	112	113	114	115	116+117	118+119	120+121	122+123	129+130	131+132	133+134	211	212
08:15-09:45 Management of coarctation in the newborn and infants	08:15-09:45 Tricuspid valve - repair and replacement	08:15-09:45 Connective tissue disorders and aortic disease: New Frontiers in Diagnosis and Management	08:15-09:45 Atrial fibrillation and management of the left atrial appendage	08:15-09:45 Bioprosthetic valve durability: also for younger patients?	08:15-11:45 Fighting infection in cardiac surgery	08:15-09:45 Translational regenerative medicine for cardio-thoracic surgeons	08:15-09:45 Starting a trial: what you must know	08:15-09:45 Bicuspid aortic valve and its challenges	08:15-09:45 Experimental models for basic research in thoracic surgery	08:15-09:45 Mesothelioma		08:15-09:45 Coronary artery bypass graft: Decreasing complications & improving graft potency	
09:45-10:15 Break, Exhibition Halls													
10:15-11:45 Management of aortic arch obstruction beyond infancy	10:15-11:45 Coronary artery bypass graft: From start to finish	10:15-11:45 Arch surgery: Towards a low mortality and low complications rate	10:15-11:45 Stand-alone and concomitant MAZE is an evidence based procedure	10:15-11:45 Late tricuspid regurgitation after previous mitral valve surgery		10:15-11:45 Transcatheter aortic valve implantation 2	10:15-11:45 Improving outcome of left ventricle assist device therapy	10:15-11:45 Simulation based training	10:15-11:45 Non-oncology	10:15-11:45 Interdisciplinary maximally invasive thoracic surgery	10:15-11:45 Functional mitral insufficiency		10:15-11:45 Risk modelling and scoring systems in cardiac surgery
11:50-12:30 Honoured Guest Lecture - Room 116+117													
12:45-14:00 Lunch, Visit Exhibits, Satellite Symposia													
12:45-14:00 Residents' Luncheon: The force awakens: training of the new Jedi - Banquet Hall, Level 2													

For detailed programme and break times refer to individual programmes and on the APP

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Tuesday 4 October 2016 - Scientific Programme, Professional Challenges and Focus Sessions

111	112	113	114	115	116+117	118+119	120+121	122+123	129+130	131+132	133+134	211	212
14:15-15:45 Valves	14:15-15:45 Electro-physiology and the surgeon	14:15-15:45 Designing a valve centre of excellence; not just numbers!	14:15-15:45 Who will do well after aortic valve replacement?	14:15-15:45 Coronary artery bypass graft: Minimally invasive and hybrid revascularisation	14:15-15:45 People skills for surgeons	14:15-15:45 Interpreting randomized trial data	14:15-15:45 Catheter based mitral valve techniques	14:15-15:45 Pro and Cons debates		14:15-15:45 Chest wall and mediastinum		14:15-15:45 The old, the new, the evident in aortic surgery	14:15-15:45 Thoracic - Rapid Response
15:45-16:00 Break, Exhibition Halls													
16:00-17:30 Tetralogy of Fallot / pulmonary atresia	16:00-17:30 Aortic valve replacement - rapid deployment valves	16:00-17:30 Endovascular competence for the cardiac surgeon. Keeping in track	16:00-17:30 Tissue repair and myocardial homestasis		16:00-17:30 Complications in mitral valve surgery			16:00-17:30 Complex case discussions in adult cardiac surgery	16:00-17:30 Oncology 2	16:00-17:30 Future surgical approach for routine anatomical lung resections	16:00-17:30 From cardiac surgery guidelines to aircrew licensing regulations	16:00-17:30 EACTS publications: Best papers	16:00-17:30 Beyond lines and clips

Acquired Cardiac Disease | Thoracic Disease | Congenital Disease | Vascular Disease | All Domains

Wednesday 5 October 2016 - Advanced Techniques														
111	112	113	114	115	116+117	118+119	120+121	122+123	127+128	129+130	131+132	133+134	211	212
09:00-12:00 Wetlab - Mitral Valve Repair	09:00-12:30 A future without suture: where we stand					09:00-12:30 Wetlab - Aortic Valve Repair		09:00-12:00 Controversies and Catastrophes in Adult Cardiac Surgery	09:00-12:00 How to do it, with live-in-a-box?	09:00-10:30 Video and case study 1 11:00-12:30 Video and case study 2	09:00-12:30 Wetlab - Thoracic	09:00-10:30 Multiple arterial grafting: how I do it		

For detailed programme and break times refer to individual programmes and on the APP

Acquired Cardiac Disease | Thoracic Disease | Congenital Disease | Vascular Disease | All Domains

Raising Standards through Education and Training

Acquired Cardiac Disease Domain Programme

EACTS
European Association For Cardio-Thoracic Surgery

Acquired Cardiac Courses

2016

All courses to take place at EACTS House in Windsor, UK, unless stated otherwise

Fundamentals in Cardiac Surgery: Part III	24-28 October
11th European Mechanical Circulatory Support Summit (EUMS)	3-5 November, Berlin, Germany
Mitral Valve Surgery	7-9 November, Leiden, The Netherlands
Modern Perspectives on Atrial Fibrillation Surgery	24-25 November
Hospital Leadership: Head, heart and values	28-29 November
Endoscopic Port-Access Mitral Valve Repair Drylab Training	15-16 December, Maastricht,The Netherlands

2017

Fundamentals in Cardiac Surgery: Part I	6-10 February
Endoscopic Port-Access Mitral Valve Repair Drylab Training	23-24 February, Maastricht, The Netherlands
Endoscopic Port-Access Mitral Valve Repair Drylab Training	27-28 April, Maastricht, The Netherlands
Fundamentals in Cardiac Surgery: Part II	5-9 June
Ventricular Assist Device Co-ordinators Training Course	15-17 June, Berlin, Germany
Minimally Invasive Techniques in Adult Cardiac Surgery	20-22 June, Warsaw, Poland
Basic Science	30 June-1 July
Endoscopic Port-Access Mitral Valve Repair Drylab Training	7-8 September, Maastricht, The Netherlands
Fundamentals in Cardiac Surgery: Part III	23-27 October
Mitral Valve Surgery	November
12th European Mechanical Circulatory Support Summit (EUMS)	29 November-2 December, Bad Oeynhausen, Germany
Endoscopic Port-Access Mitral Valve Repair Drylab Training	14-15 December, Maastricht, The Netherlands

Chair:

Volkmar Falk, Berlin, Germany
Filip Casselman, Aalst, Belgium
Michele De Bonis, Milan, Italy
Raili Ermel, Tartu, Estonia
Maximilian Emmert, Zurich, Switzerland
Thomas Modine, Lille, France
Ludwig Müller, Innsbruck, Austria
Matthias Siepe, Freiburg, Germany
Rashmi Yadav, London, UK

08:00-10:10 Techno College

Forum Auditorium

Aortic valve

Moderators: C. Huber, Geneva; T. Folliguet, Vandoeuvre les Nancy; J. Kempfert, Berlin; F. Maisano, Zürich

Welcome & introduction
F.W. Mohr, Leipzig; T. Walther, Bad Nauheim

Introduction to aortic valve treatment
T. Walther, Bad Nauheim

New aortic valves
J. Kempfert, Berlin

New developments in transcatheter aortic valve implantation
H. Treede, Halle

Discussion

Live-in-a-box: Root replacement (ascending and hemiarch) through a right mini thoracotomy
J. Lamelas, Miami

Live-in-a-box: Triple valve redo using a sutureless valve into a freestyle root
M. Di Eusanio, Ancona

Valve in valve in homograft
G. Dahle, Oslo; N. Moat, London

Live-in-a-box: Valve in valve after sutureless aortic valve
A.G. Cerillo, Massa

Live-in-a-box: Aortic valve repair using heterologous pericardium, Ozaki technique
C. Quarto, London; O. Ghez, London; S. Ozaki, Tokyo

A novel self-expanding device using a motorized delivery system
L. Conradi, Hamburg

Live cases:

Transfemoral aortic valve in valve in a small aortic root
D Holzhey, A Linke, Leipzig

Suprasternal approach
A Kiser, Greenville; D Holzhey, A Linke, Leipzig

10:30-12:20 Techno College — Forum Auditorium

Atrioventricular valve 1

Moderators: V. Bapat, London; V Falk, Berlin; T Modine, Lille; H Treede, Halle

Introduction
V. Bapat, London

Transcatheter heart valves in mitral annular calcification
G. Dahle, Oslo

Transcatheter aortic valve device implantation after failed mitral valve repair
N. Moat, London

Transcatheter aortic valve implantation in degenerated mitral xenografts
T. Modine, Lille

Overview and failures of current transcatheter aortic valve prostheses in the mitral position
V. Bapat, London

Discussion

Live-in-a-box: 3D endoscope re-do mitral valve repair using the endoballoon technique **3D**
J. Kempfert, Berlin

Live-in-a-box: Transcatheter aortic valve implantation in open surgery
V. Bapat, London

Live-in-a-box: Redo-rethoracotomy re-repair of the mitral valve
M. Glauber, Milan

Live case

Transapical mitral valve in ring/mitral valve in valve implantation using a fully repositionable device
L Conradi, Hamburg; P Kiefer, Leipzig

Discussion

12:30-13:30
Lunch Break

13:30 - 15:10 Techno College — Forum Auditorium

Aorta, Ablation and Assist Devices

Moderators: M. Di Eusanio, Ancona; M Glauber, Massa; M Shrestha, Hannover; P Suwalski, Warsaw

Live-in-a-box: Transapical approach for aortic stent grafting (ascending and descending aorta)
H. Jakob, Essen

Early clinical success of thoracic branched devices treating zones 0 and 1: Procedural techniques and considerations
J. Bavaria, Philadelphia

Total endovascular aortic arch repair using a double-branched prosthesis
M. Czerny, Freiburg

Transapical closure of paravalvular leak and fusion imaging
G. Dahle, Oslo

Live-in-a-box: Totally thoracoscopic left atrial occlusion concomitant to endoscopic atraumatic coronary artery bypass grafting (EACAB) **3D**
P. Suwalski, Warsaw

Live-in-a-box: Transcatheter aspiration of atrial and central vein thrombi using an extracorporeal suction device
C. Starck, Berlin

Live-in-a-box: Minimally invasive off-pump implantation of a novel implantable centrifugal left ventricular assist device through a bilateral thoracotomy approach **3D**
E. Potapov, Berlin

Start-up session:

Cooling catheter for spinal cord protection
J. Elefteriades, New Haven

Re-inventing the heart valve with bioabsorbable technology
F Maisano, Zurich

New Technology Innovation Award - The Finalists

15:30-18:00 Techno College — Forum Auditorium

Atrioventricular valve 2

Moderators: A Cheung, Vancouver; J Seeburger, Leipzig; N Moat, London; T Walther, Bad Nauheim

Imaging and imaging analysis techniques to support novel mitral valve implantation
A. Duncan; S. Stephens, London

Transcatheter mitral valves in clinical trials: update
V Bapat, London; G Cohen, Toronto; N Moat, London; R Lange, Munich; L Sondergard, Copenhagen

Discussion

Transcatheter mitral valves: update
G Gerosa, Padua; N Moat, London; M Williams, New York

Discussion

Transapical beating heart mitral valve repair with artificial chordal implantation device
K. Bartus, Kraków

Live-in-a-box: Percutaneous trans-septal annuloplasty ring
S. Bolling, Ann Arbor

Live-in-a-box: Rheumatic mitral valve leaflet repair
M. Palmen, Leiden

Update on transcatheter technologies to treat the tricuspid valve
F. Maisano, Zürich

08:15-09:45 Focus Session 116+117

Latest trials in cardiovascular medicine

Moderators: N. Mokadam, Seattle; H. Reichenspurner, Hamburg

Objectives:
An update on the most recent trials relevant to adult cardiac surgery.

08:15
ACATAS: evidence for preoperative aspirin use in coronary bypass surgery.
J. Smith, Melbourne

08:30
BEST: Coronary artery bypass graft still superior to second-generation drug-eluting stents
D. Taggart, Oxford

08:45
STICHES: Coronary artery bypass graft reduces 10-year mortality for patients with ischemic cardiomyopathy
T. Doenst, Jena

09:00
Multi arterial grafts improve early major adverse cardiac and cerebrovascular event rate of patients undergoing coronary revascularization analysis of 12,615 patients with multi-vessel disease
C. Locker, Rochester

09:15
Mitral valve repair or replacement for severe ischemic mitral regurgitation?
W. R. Chitwood Jr., Greenville

09:30
Rate vs rhythm for post-surgical atrial fibrillation: neutral trial but positive message!
M. Mack, Plano

08:15-10:15 Abstract Session 212

Young Investigator Awards

Moderators: D. Pagano, Birmingham; M. Sousa Uva, Lisbon; N. Van Mieghem, Rotterdam

08:15
Twenty-year experience with rheumatic mitral surgery: Repair versus replacement
W.K. Kim[1], H.J. Kim[1], W.C. Cho[1], J. Sung Ho[1], S.J. Choo[1], C. Cheol Hyun[1], L. Jae Won[1], J.B. Kim[1]; [1]Seoul

08:30
Mitral valve-in-valve and valve-in-ring procedures versus redo surgery: a comparative analysis
M. Silaschi[1], F.S. Westhofen[2], P. Maccarthy[3], H. Reichenspurner[2], H. Treede[1], U. Schaefer[2], L. Conradi[2], O. Wendler[3]; [1]Halle (Saale), [2]Hamburg, [3]London

08:45
Heart transplantation from donation after circulatory determined death donors
S. Messer[1], A. Page[2], S. Tsui[1], S. Large[1]; [1]Papworth Everard

09:00
Does single clip implantation provide reliable durability after transcatheter edge-to-edge mitral repair?
N. Buzzatti[1], P. Denti[1], D. Schiavi[1], L. Vicentini[1], I.S. Scarfò[1], G. La Canna[1], O. Alfieri[1] ; [1]Milan

09:15
Coronary artery bypass surgery is superior to second generation drug-eluting stents in three-vessel coronary artery disease: A propensity score matched analysis
H. Tsuneyoshi[1], T. Komiya[1], T. Shimamoto[1], J. Sakai[1], T. Hiraoka[1], K. Wada[1], R. Hata[1], K. Kadota[1]; [1]Kurashiki

09:30
New apical closure device for full-percutaneous transapical valve procedures: stress-test in an animal model
E. Ferrari[1], P. Tozzi[2], D. Berdajs3, S. Demertzis[1], L. Von Segesser[2] ; [1]Lugano, [2]Lausanne, [3]Zürich

09:45
The need of cusp repair is associated with recurrent aortic regurgitation after aortic valve sparing surgery
E. Ram[1], A. Seinfeld[1], A. Kogan[1], H. Cohen[1], S. Levin[1], Z.S. Ben[1], E. Raanani[1]; [1]Ramat Gan

10:00
Robotic-assisted coronary bypass surgery: from exceptional event to routine practice. An eighteen year centre experience
V. Giambruno[1], M. Chu[1], S. Fox[1], S. Swinamer[1], R. Rayman[1], D. Boyd[2], A. Menkis[3], B. Kiaii1; [1]London, [2]Davis, [3]Winnipeg

08:15-15:00 Perfusion Programme 115

Perfusion - Session 1

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

Objectives:
State of the art information about important aspects of routine extracorporeal circulation set up, its effect on the patient's body.

08:15
Recent trials on steroids during cardiopulmonary bypass – end of story?
J. Dieleman, Utrecht

08:35
Vasoplegia during cardiopulmonary bypass: incidence and treatment
J.J. Llehot, Lyon

08:55
Bacterial growth in the heater cooler unit – relevance for patients and perfusionists
B. Hasse, Zürich

09:15
Cerebral autoregulation during cardiopulmonary bypass and its effect on postoperative cognitive decline
N. Vranken, Maastricht

Perfusion - Session 2

Moderators: A. Liebold, Ulm; L. Vercaemst, Leuven

Objectives:

Understand the span of extracorporeal circulation: from OPCAB to controlled automated reperfusion following trauma

10:00

Should mini-circuits be used in routine coronary artery bypass graft?

A. Wahba, Trondheim

10:15

OPCAB Surgery in China

Y. Yanqi, Linköping

10:30

Management of cardiopulmonary bypass during pregnancy

C. Mestres, Abu Dhabi

10:45

CARL and CIRD an update (with reference to Emergency preservation and resuscitation for cardiac arrest from trauma)

F. Beyersdorf, Freiburg

11:00

The perfusionist should be part of the team for extracorporeal life support

C. Schmid, Regensburg

Perfusion - Session 3

Moderators: P. LePrince, Paris; T. Myrmel, Tromsø; G. Trummer, Freiburg

Objectives:

Understand new developments on extracorporeal life support and type A dissection.

13:30

New developments in mechanical circulatory support

P. LePrince, Paris

13:45

Cannulation for extracorporeal life support: tips and tricks

R. Lorusso, Maastricht

14:00

Heparin management in extracorporeal life support

G. Trummer, Freiburg

14:15

Are several days of standby for cardiopulmonary bypass equipment safe?

R. Crook, London

14:30

Type A dissection: current status and future perspectives

T. Myrmel, Tromso

08:15 - 09:45 Training in Research Session 122+123

Preparing your scientific breakthrough: from abstract to paper

Moderators: U. Benedetto, Bristol; G.A. Patterson, St Louis

Objectives:
1. Planning your research project
2. Learn to write abstracts and papers

08:15
Get your abstract accepted!
F. Beyersdorf, Freiburg

08:33
Choosing a topic isn't easy
M. Siepe, Freiburg

08:51
Do's and don'ts in PowerPoint presentation
A. Kappetein, Rotterdam

09:09
Selling your manuscript so that it gets accepted
G.A. Patterson, St. Louis

09:27
How (not) to present your tables and figures in a manuscript
M. Milojevic, Rotterdam

09:00- 16:10 Allied Health Professionals Programme 133+134

09:00-09:45 Pain

Moderators: C. Bannister, Southampton; C. Ruiz-Segria, Cleveland

09:00
Opening
R. Van Valen, Rotterdam

09:05
Minimal invasive surgery, maximal pain?
G. Martinez, Papworth

09:25
Chronic pain after thoracotomy
B. Tena Blanco, Barcelona

10:00-10:40 Innovation

Moderators: C. Bannister, Southampton; C. Ruiz-Segria, Cleveland

10:00
Donation after cardiac death
A. Page, Papworth

10:20
Enhanced recovery programs
K. Graham, Glasgow

10:45-12:00 Nursing

Moderators: T. Bartley, Birmingham; J. Propper, Rotterdam

10:45
Nursing care in the theater
C. Walsøe, Copenhagen

11:05
Enhanced surgical skills in the operating room
D. Pollack, Groningen

11:25
Patient education and interventions pre and post surgery
J. White, Leeds

11:45
The role of the non medical prescriber
C. Giles, Birmingham

13:30-14:45 Abstracts

Moderators: J. Ley, San Francisco; C. Ruiz-Segria, Cleveland

13:30
Practice variation in treatment of suspected asymptomatic bacteriuria prior to cardiac surgery; are there differences in postoperative outcome?
M. de Lange, Nieuwegein

13:45
Manual clinical assessment of the sternum following median sternotomy for cardiac surgery: validity and reliability of the sternal instability scale (SIS)
D. El-Ansary, Parkville

14:00
Factors leading to chronic wound problems after cardiac surgery
N. Kumari[1], P. Mishra[1], M. Abdelaziz[1], A. Nevill[1], H. Luckraz[1]; [1]Wolverhampton

14:15
Motor vehicle driving after cardiac surgery via a median sternotomy: mechanical and neurocognitive considerations
D. El-Ansary, Parkville

14:30
First experiences of a robotic surgical care practitioner - embarking on a new thoracic robotic programme
N. Nicholson[1]; [1]Middlesbrough

15:15-16:15 Closing the day

Moderators: T. Bartley, Birmingham; J. Propper, Rotterdam

15:15
The good Samaritan
R. Dhannapuneni, Liverpool

15:35
Making a difference
J. Ley, San Francisco

16:00
Best presentation award
J.L. Pomar, Barcelona

16:10
Closing remarks

10:00-11:30 Focus Session 116+117

TAVR versus SAVR: David and Goliath

Moderator(s): A. Kappetein, Rotterdam; F. Mohr, Leipzig

09:45
Transcatheter or Surgical Aortic-Valve Replacement in Intermediate-Risk Patients
D. Brown, Dallas

09:57
TAVR or SAVR: comparing apples with oranges in the New England Journal of Medicine!
A. Boening, Giessen

10:09
TAVR versus SAVR in intermediate-risk patients: a propensity score analysis
M. Mack, Plano

10:21
A rejected letter to the Lancet, afraid to hear the truth?
F. Barili, Cuneo

10:33
Have we gone too in Europe allowing TAVI as treatment option for aortic valve stenosis in intermediate risk patients?
L. Menicanti, San Donato Milanese

10:45
Does the data justify the expansion of TAVR to intermediate risk patients in the USA?
T. Sundt, Boston

10:57
The mysterious effect of “propensity matching” a magical pixie dust that turns apples and oranges into golden pears. The editor does not believe in fairy tales!
G.A. Patterson, St. Louis

11:09
Propensity matched analysis versus randomized trial. Who is right?
N. Freemantle, London

10:00-11:30 Focus Session 112

When strategy fails - Case based

Moderators: V. Falk, Berlin

Refer to the Final Programme online for programme details.

10:00-11:30 Focus Session 118+119

Training in cardio-thoracic surgery

Moderators: I. Ilonen, Helsinki; A. Kocher, Vienna; M. Wyler Von Ballmoos, Milwaukee

Objectives:

To review surgical training programmes strengths and weaknesses around Europe.

10:00

Provisions for centres which agree to train; from competency based training to EPA's

R. Klautz, Leiden

10:17

What is wrong with present training programmes in Europe and how can they be improved?

R. Sádaba, Pamplona

10:34

Super charging cardiac surgery training with simulation

N. Mokadam, Seattle

10:51

How to select the best students in the specialty

S. Blackmon, Rochester

11:13

Flipping the classroom: Innovations in teaching

S. Kendall, Middlesbrough

11:45-13:15 Plenary 116+117

The whole is greater than the sum of its parts: a strong team for a better outcome

Moderators: B. Keogh, London; F. Mohr, Leipzig; T. Sundt, Boston

Objectives:

To understand how difficult decision making requires team approach.

11:45

Summit teams in Everest's Death Zone

Rebecca Stephens, London

12:15

Cardio-Thoracic surgery is a team effort

B. Keogh, London

12:30

The science of safety

F. Ferdinand, Albany

12:45

Choosing meaningful outcome measures

M. Mack, Plano

13:00

Mortality/Morbidity and near misses' meetings; learning from errors

R. Prager, Ann Arbor

13:30-15:00 Focus Session 116+117

The mitral valve with a smile!

Moderators: P. Perier, Bad Neustadt/Saale; M. Sitges, Barcelona

Panellists: D. H. Adams, New York, D. Glower, Durham

Objectives:

An update on imaging and surgery of the mitral valve.

13:30

Modern imaging techniques for the mitral valve

T. Noack, Leipzig

13:45

Why did I change from full sternotomy to minimally invasive surgery?

P. Perier, Bad Neustadt/Saale

14:00

Tips and tricks minimally invasive mitral valve surgery: live case from Leipzig

B. Pfannmueller, Leipzig

14:45

MitraClip and surgery should not compete

G. Dreyfus, Monte-Carlo

13:30-15:00 Focus Session 112

Latest news and research on treatment of aortic valve stenosis

Moderators: J.F. Obadia, Bron; D. Mylotte, Galway

Panellists: G. Bolotin, Haifa; J. Grau, Ridgewood

Objectives:

To review the outcomes of transcatherer aortic valve intervention including different types.

13:30

Annual outcomes with transcatheter valve therapy: from the STS/ACC TVT Registry

F. Grover, Aurora

13:45

CoreValve at three years: is transcatheter still better than surgical replacement?

M. Reardon, Houston

14:00

TAVR versus SAVR in high risk subgroups

F. Santini, Genoa

14:15

New TAVI devices, better outcome? Which device for which patient?

A. Schaefer, Hamburg

14:30

Should we worry about transcatheter heart valve durability?

D. Dvir, Vancouver

14:45

Long-term safety and effectiveness of mechanical versus biologic aortic valve prostheses in older patients; can they compete with transcatheter aortic valve implantation?

P. Kolh, Liege

13:30-15:00 Focus Session 118+119

Treatment of patients with bicuspid aortic valves

Moderators: R. Weisel, Toronto

Objectives:

To review indications and treatment modalities for ascending aortic dilatation in the presence of bicuspid aortic valve.

13:30

Case presentation of a patient with ascending aortic dilatation and bicuspid aortic valve; is it clear when to operate?

K. Kallenbach, Luxembourg

13:45

Clinical and pathophysiological implications of a bicuspid aortic valve

P. Fedak, Calgary

14:00

Effect of volume on outcome in surgery for ascending aorta dilatation; what should be the threshold for a center?

T. Myrmel, Tromso

14:15

Which operation for patients with bicuspid aortic valve? Repair or replacement?

H.J. Schäfers, Homburg/Saar

14:30

Transcatheter aortic valve replacement in bicuspid aortic stenosis: Be cautious.

A. Oo, Liverpool

14:45

Risk assessment in ascending aortic aneurysm surgery

E. Roselli, Cleveland

13:30-15:00 Focus Session 120+121

Basic Science - Cardiac

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

Objectives:

The latest research in myocardial tissue engineering and stem cell.

13:30

Stem cell reality in regenerative medicine – Current insights and future directions

M. Pavone-Gyöngyösi, Vienna

13:50

Learning from cells: development of therapeutic protein candidates for cardiac repair

K. Wollert, Hanover

14:10

Tissue engineering and bioprothesis research

S. Cebotari, Hannover

14:30

Myocardial Tissue Engineering

A. Hilfiker, Hanover

14:50

Discussion

13:30 - 15:00 Training in Research Session 122+123

Statistics from scratch: Finding your way through the forest of option

Moderators: S. Head, Rotterdam; R. Osnabrugge, Rotterdam

Objectives:

1. Learning basic baseline statistics
2. Learning how to perform outcome analyses

13:30
Insights into basic statistics
M. Milojevic, Rotterdam

13:48
Comparing baseline characteristics
M. Mokhles, Rotterdam

14:06
Kaplan-Meier estimates and log-rank testing
R. Osnabrugge, Rotterdam

14:24
Is it a risk factor? Performing univariate and multivariate analyses
M. Wyler Von Ballmoos, Milwaukee

14:42
Testing a risk model: what do you need to do?
S.W. Grant, Blackpool

13:30-15:00 Jeopardy 212

Preliminary Rounds

Round 1: Netherlands; Turkey; United Kingdom
Round 2: Finland; India; United Kingdom

15:15-16:45 Focus Session 116+117

Expanding indications for transcatheter heart valves

Moderators: D. Fullerton, Aurora; M. Sitges, Barcelona

Objectives:

Review the expanding indications of transcather valve interventions and their health economic impact.

15:15
New outcomes, new indications
M. Mack, Plano

15:30
The German Aortic Valve Registry: do registries reflect reality?
T. Walther, Bad Nauheim

15:45
Transcatheter aortic valve implantation in Europe: are economics impacting the number of procedures
R. Osnabrugge, Rotterdam

16:00
First in human results update of a novel transcatheter tricuspid valve repair solution
P. Denti, Milan

16:15
Is there still a place for balloon valvuloplasty?
D. Brown, Dallas

16:30
Transcatheter aortic valve implantation device development in Asia
S. Wan, Hong Kong

15:15-16:45 Focus Session 114

Balancing a surgical career with a family

Moderator: M. Shrestha, Hannover

Panellists: I. Deglurkar, Cardiff; T. Folliguet, Vandoeuvre les Nancy; R. Haaverstad, Bergen; S. Martin Suarez, Bologna; C. Munsch, Leeds

15:15
Continuing a surgical career after having children. Is it possible?
E. Roost, Berne

15:30
Creating a network for women in cardiac-thoracic surgery
S. Blackmon, Rochester

15:45
Family friendly surgical training
C. Merz, Hanover

16:00
Working with female colleagues, the Iceland experience
T. Gudbjartsson, Reykjavik

16:15
The gender and behavior in competitive jobs
I.S. Modrau, Aarhus

16:30
Should exceptions in working times be made for surgeons with children?
M. Grabenwöger, Vienna

Minimally invasive mitral surgery

Moderators: L. Müller, Innsbruck

Panellists: M. Glauber, Milan; M. Palmen, Leiden; S. Senay, Istanbul

Objectives:

Impact of videoscopic guidance alternative techniques.

15:15

The EACTS database: needed to get insights on valvular surgery in Europe

M. Mokhles, Rotterdam

15:30

ECHO guided transapical off pump mitral valve repair with neochord implantation: single center two-year follow-up experience

C. Andrea[1], E. Bizzotto[2], E. Manzan[1], L. Besola[1], F. Zucchetta[1], L. Bagozzi1, R. Bellu[1], G. Gerosa[1]; [1]Padua

15:45

Minimally invasive heart valve surgery: Influence on coagulation and inflammatory response

D. Paparella[1], C. Rotunno[1], P. Guida[1], M. Travascia[1], M. Depalo[1], G. Lionettti[1], A. Carrozzo[1], N. Marraudino[1]; [1]Bari

16:00

Three-port endoscopic mitral valve surgery without robotic assistance

T. Ito[1]; [1]Nagoya

16:15

3D video-assistance: a giant leap for totally endoscopic minimally invasive mitral valve repair

P. Perier[1], W. Hohenberger[1], F. Lakew[2], G. Batz[1], M. Zacher2, A. Diegeler[2]; [1]Bad Neustadt/Saale, [2]Bad Neustadt

16:30

Minimally invasive or conventional edge-to-edge repair for severe mitral regurgitation due to bileaflet prolapse in Barlow's disease: Does the surgical approach have an impact on the long-term results?

M. De Bonis[1], E. Lapenna[1], B. Del Forno[1], S. Di Sanzo[1], A. Giacomini[1], F. Pappalardo[1], G. La Canna[1], O. Alfieri[1]; [1]Milan

Monitoring Quality in Your Unit: State of the Art

Moderators: A. Ahlsson, Örebro; K. Wrobel, Jozefow

Objectives:

To understand the principles and the infrastructure to monitor quality and outcomes at surgical unit level.

15:15

Statistical methods: CUSUM, VLAD, risk adjustment, funnel plot. Which one to choose?

G. Hickey, Liverpool

15:30

Identifying triggers and investigation further

D. Pagano, Birmingham

15:45

Incident reporting, risk management and root cause analysis. Governance and risk management structure

T. Oelofse, Birmingham

16:00
Benchmarking to improve outcomes
A. Parolari, Milan

16:15
Surgical mortality as an indicator of hospital quality: the problem with small sample size
V. Badhwar, Morgantown

15:15-16:45 Rapid Response 212

Trends in aortic valve replacement

Moderators: T. Walther, Bad Nauheim; V. Zamvar, Edinburgh

Objectives:
To review the outcomes of new trends in aortic prosthesis type and choice according to patient's age.

15:15
Clinical outcomes after surgical aortic valve replacement with a new generation of bioprosthesis:
Three year follow up
A. Bilewska[1], J. Sadowski[2], J. Rosanski[1], B. Kapelak[2], M. Kusmierczyk[1], C. Giot[3], K. Bartus[2]; [1]Warsaw, [2]Kracow, [3]Nyon

15:23
Long-term results of the Mitroflow pericardial aortic bioprosthesis in over 800 patients: Durability and risk factors of structural valve deterioration
F. Ius[1], J. Becker[1], I. Ismail[1], G. Warnecke[1], M. Shrestha[1], I. Tudorache[1], A. Haverich[1], S. Cebotari[1]; [1]Hannover

15:31
Conduction disturbances after rapid-deployment aortic valve implantation: Frequency and prognosis
D. Grisoli[1], A. Theron[1], V. Gariboldi[1], E. Ravis[1], L. Messous[1], C. Amanatiou[1], F. Collart[1]; [1]Marseille

15:39
Aortic valve neo-cuspidization with autologous pericardium for dialysis patients
H. Yamashita[1], S. Ozaki[1], I. Kawase[1], S. Uchida[1], M. Takatou[1], N. Kiyohara[1]; [1]Tokyo

15:47
The Ross procedure versus the Bentall operation in patients with ascending aorta dilatation: a propensity score analysis
A. Karaskov[1], A. Bogachev-Prokophiev[1], R. Sharifulin[1], S. Zheleznev[1], I. Demin[1], A. Afanasyev[1]; [1]Novosibirsk

15:55
Aortic valve replacement in middle-aged adults (50-65 years): Mechanical replacement versus bioprostheses versus pulmonary autograft (Ross procedure)
S. Mastrobuoni[1], C. De Meester[1], L. De Kerchove[1], E. Navarra[1], S. Solari[1], G. Aphram[1], J.L. Vanoverschelde[1], G. El Khoury[1]; [1]Woluwe-Saint-Lambert

16:03
Mid-term results of minimally invasive aortic valve-resuspension in patients with aortic valve insufficiency and aortic root aneurysm
N. Monsefi[1], P. Risteski[1], A. Miskovic[1], A. Moritz[1], A. Zierer[1]; [1]Frankfurt

16:11
Excessive oversizing is associated with high gradients after Perceval S valve implantation
A.G. Cerillo[1], M. Murzi[1], G. Concistre[1], P. Farneti[1], M. Solinas[1], S. Berti[1]; [1]Massa

Wire skills transcatheter aortic valve implantation

Moderators: M. Reardon, Houston; N. Van Mieghem, Rotterdam

Objectives:
An overview of basic wires skills and how to deal with high risk cases and recognised complications.

08:15
How to select the right prosthesis for the right patient (including AR)
N. Moat, London

08:30
Wire skills: replacing the knife for the wire
O. Wendler, London

08:45
Live case from Leipzig: transfemoral
P. Kiefer, Leipzig

09:15
Pitfalls and limitations for valve-in-valve procedures
A. Cheung, Vancouver

09:30
Image fusion: angiography/echocardiography
A. Unbehaun, Berlin

09:45 Break

10:15
Endovascular stent grafting for ascending aorta repair in high-risk patients
E. Roselli, Cleveland

10:30
When to convert
V. Bapat, London

10:45
Radiation protection: ten essentials
R. Sádaba, Pamplona

11:00
Choosing the proper access sites
H. Schröfel, Freiburg

11:15
Repositioning the transcatheter valve
D. Fullerton, Aurora

08:15-09:45 Focus Session 115

Personalized revascularisation strategies

Moderators: M. Sabate, Barcelona; D. Taggart, Oxford

Objectives:
To learn the role of guidelines in treatment strategy of coronary disease. How to individualize your revascularisation strategy based on the available evidence.

08:15
When two mammary arteries are not the best solution
D. Glineur, Ottawa

08:30
Y graft configurations when and how?
G. Tavilla, Leiden

08:45
Different imaging modalities to define revascularisation strategy
M. Sabate, Barcelona

09:00
Hybrid closed chest revascularisation
N. Bonaros, Innsbruck

09:15
What is the best third graft?
J. Tatoulis, Melbourne

09:30
Is the angiogram enough? The role of fractional flow reserve guided revascularisation in coronary artery bypass graft
E. Barbato, Aalst

08:15-09:45 Focus Session 114

Aortic valve repair - When and how

Moderators: L. De Kerchove, Woluwe-Saint-Lambert; T. Holubec, Bad Nauheim; M. Siepe, Freiburg

Objectives:
an overview of indications and aortic valve repair techniques: tricuspid, bicuspid valve and valve sparing aortic surgery.

08:15
Video Tricuspid valve repair
T. Modine, Lille

08:30
Video simple bicuspid valve repair
D. Aicher, Homburg/Saar

08:45
Valve sparing surgery in acute aortic dissection
M. Borger, New York

09:00
What makes the difference between Yacoub, David, sleeve and all their modifications
J. Pepper, London

09:15
Cusp replacement in aortic valve repair
R. Lange, Munich

09:30
Should the bicuspid aortic valve be spared?
W. Morshuis, Nijmegen

08:15-09:45 Focus Session 112

Evidence based decision making in aortic valve surgery

Moderators: J. Cuenca Castillo, Coruña; P. Klein, Nieuwegein; P. Suwalski, Warsaw

Objectives:
To review preoperative selection methods for aortic valve prosthesis type, surgical access and how to deal with the small aortic root scenario.

08:15
Image based access strategy
E. Roselli, Cleveland

08:30
Image based valve selection
K. Zannis, Paris

08:45
Video assisted right anterior mini-thoracotomy aortic valve replacement and aortic root surgery
A. Melvin[1], J. Wong[1], P. Knight[1]; [1]Rochester,

09:00
Sutureless valves when and why?
T. Fischlein, Nuremberg

09:15
Procedure of choice in the small aortic root
M. Borger, New York

08:15-09:45 Abstract Session 133+134

Extra corporeal circulation/Left ventricular assist device/ Transplantation 1

Moderators: G. Gerosa, Padova

Panellists: O. Birim, Pijnacker; J. Gummert, Bad Oeynhausen; A. Zuckermann, Vienna

Objectives:
To understand challenges, complications and new therapies in mechanical circulatory support and heart transplant.

08:15
Positron emission tomography-computed tomography scans for the detection of ventricular assist device specific infections
A. Bernhardt[1], M. Barten[1], A. Schaefer[1], F. Wagner[1], H. Reichenspurner[1], T. Deuse[2]; [1]Hamburg, [2]San Francisco

08:30
The risk of gastro-intestinal bleeding events in patients with HeartWare HVAD: Does activation of the intermittent low speed (ILS) software (lavare cycle) make a difference?
B. Maxhera[1], A. Albert[1], R. Westenfeld[1], G. Petrov[1], N. Sadat[1], U. Boeken[1], A. Lichtenberg[1], D. Saeed[1]; [1]Düsseldorf

08:45
Should mitral regurgitation be corrected at the time of left ventricular assist device implantation?
H. Hata[1], H. Ishibashi-Ueda[2], T. Fujita[1], N. Fukushima[2], J. Kobayashi[1]; [1]Osaka, [2]Suita

09:00
Left ventricular decompression during extracorporeal life support: a single center experience of five different techniques
A. Lemaire[1], J. Jouan[1], C.H. Gautier[1], M.O. Bricourt[1], P. Achouh[1], A. Bel[1], J.N. Fabiani[1], C. Latremouille[1] ; [1]Paris

09:15
Vasoplegia after heart transplantation
F. Esmailian[1], M. Kittleson[1], T. Aintablian[1], Y. Li[1], M. Luu[1], J. Patel[1], L. Czer[1], J. Kobashigawa[1]; [1]Los Angeles

09:30
Off-Pump Subcostal Exchange of the HeartMate II Left Ventricular Assist Device: A novel and an improved approach
A. Gaffey[1], C. Chen[1], J. Chung[1], E. Phillips[1], M. Williams[1], J. Wald[1], M. Acker[1], P. Atluri[1]; [1]Philadelphia

08:15-09:45 Rapid Response 211

Minimizing sternal wound complication

Moderators: R. Leyh, Würzburg

Panellists: A. Cobanoglu, Istanbul; J. Schmitto, Hannover

Objectives:
Proactive and pre-emptive management of sternal wound complications.

08:15
Implantable gentamicin-collagen sponge and the risk of sternal wound infections after heart surgery: updated meta-analysis
M. Kowalewski[1], W. Pawliszak[1], K. Zaborowska[1], K. Szwed[1], A. Borkowska[1], L. Anisimowicz[1]; [1]Bydgoszcz

08:23
The SternaLock Blu study: A multi-centre, randomized trial evaluating the impact of sternal closure with rigid plate fixation versus wire cerclage on patient outcomes
K. Allen[1], V. Thourani[2], Y. Naka[3], K. Grubb[4], J. Grehan[5], M. Gerdisch[6], N. Patel[3], K. Landolfo[7]; [1]Kansas City, [2]Atlanta, [3]New York, [4]Louisville, [5]Saint Paul, [6]Indianapolis, [7]Jacksonville

08:31
Successful application of platelet rich fibrin therapy (PRF) in difficult to heal post-operative cardiac surgical infected wounds: First reported case series
S. Datta[1], A. Brazier[1], R. Hasan.[1]; [1]Manchester

08:39
The impact of differentiated preventive measures on mediastinitis: A prospective study with 2339 cardio-surgical patients
T. Madej[1], K. Matschke[1], M. Knaut[1], T. Sems-Malte[1]; [1]Dresden

08:47
Right ventricular tear following vacuum assisted closure therapy for post-operative mediastinitis: Lessons learnt
S. Datta[1], R. Hasan.[1]; [1]Manchester

08:55
Use of an allogeneic bone tissue in the treatment of severe post-sternotomy massive bone loss defects – 6 year-experience
M. Kalab[1], J. Karkoska[2], M. Kaminek[1], V. Lonsky[1], P. Santavy[1]; [1]Olomouc, [2]Brno

09:03
Rigid primary sternal fixation reduces sternal complications among patients at risk
D. Kalavrouziotis[1], S. Mohammadi[1], M. Hlal[2], F. Dagenais[2], E. Charbonneau[1], R. Baillot[1] ; [1]Quebec

08:15-09:45 Focus Session 120+121

Joint Session EACTS SBCCV PASCaTS – Cardiac surgery in underserved regions

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

Objectives:
The challenges of cardiovascular surgical services in the low-and middle-income countries (LMICs) are associated with competing priorities: the communicable (CDs) versus non communicable diseases (NCDs) as well as limited resources, prohibitively high surgical costs, affordability, accessibility and the current limited capacity. The surgeons practicing in these low-volume units are faced with easily treatable congenital and acquired heart lesions that develop to become chronic, advanced and deadly diseases. Among the topics of the interactive discussions will be the concept of developing efficient high-volume regional centres of excellence to deliver low-cost cardiovascular services in the context of north-south cooperation. These centres would forge training and continuing educational programmes, develop regional networking among the heart teams in the context of south-south cooperation to enhance transfer of knowledge and improve patient management.

08:15
Surgical strategies for rheumatic versus congenital aortic valve diseases in children and adolescents: Predictors of outcome
Z. Al Halees, Riyadh

08:33
Surgical correction of supra-cardiac total anomalous pulmonary venous connection in a 28-year-old man from rural South Africa
K. Dullabh, Durban

08:51
Two-stage hybrid procedure of a large left pulmonary artery pseudo aneurysm associated with a patent Ductus arteriousus Botalli in a 10-year-old male
M. Muhinga, Nairobi

09:09
Tuberculous constrictive pericarditis mimicking an endomyocardial fibrosis (EMF) in an 18-year-old boy from rural Sierra Leone
E. Farkas, Appleton

09:27
Emergency surgical repair of a left ventricular pseudo aneurysm in a 6-year-old child with purulent pericarditis
L. Sidali, Durban

08:15 - 09:45 Training in Research Session 118+119

How to perform more advanced statistics: basics and pitfalls

Moderators: G. Hickey, Liverpool; N. Freemantle, London

Objectives:

1. Background of advanced statistics
2. Step-by-step to performing statistics yourself

08:15

Adjusted survival analyses

A. Ahlsson, Örebro

08:30

Propensity-matched analyses: what am I doing?

S.W. Grant, Blackpool

08:45

Interaction terms are a requirement for subgroup analyses

S. Head, Rotterdam

09:00

Using repeated measurements for echocardiography data

M. Mokhles, Rotterdam

09:15

Reporting your results for publication according to guidelines

G. Hickey, Liverpool

09:30

Big data analysis impressive numbers but controversial conclusions

N. Freemantle, London

08:15 - 09:45 Abstract Session 122+123

Work in progress

Moderators: J. Coselli, Houston; B. Rylski, Freiburg

Objectives:

A mixed session aiming to review experimental techniques for tissue engineering, surgical training and surgical techniques.

08:15

Recent progress of the TEH-TUBE program: Tissue engineering of a bio-functionalized bioresorbable polymeric heart valved TUBE

D. Kalfa[1], M. Pontailler[2], B. Ahmad[3], P. Pouponneau[4], M. Blanchy[5], A. Neffe[6], V. Vanneaux[2], P. Menasché[2]; [1]New York, [2]Paris, [3]London, [4]Besançon, [5]Bordeaux, [6]Berlin

08:30

From pig to person: The true value of a pioneering simulation based enhanced learning environment for CTS trainees in the UK

L. Kenny[1], N. Moorjani[2], S. Rathinam[3]; [1]High Heaton, [2]Papworth Everard, [3]Leicester

08:45

Aortic allograft de-cellularization: First preclinical results

M. Shchatsinka[1], S. Spirydonau[1], V. Adzintsou[1], R. Smaliakova[1], A. Subach[1], V. Yudzina[1], A. Shket[1], Y. Ostrovsky[1]; [1]Minsk

09:00

Adipose-derived stem cells as an innovative method of treatment for non-option patients with ischemic heart disease

J. Konstanty-Kalandyk[1], J. Piątek[1], B. Kapelak[1], K. Bartus[1], R. Drwiła[1], A. Kędziora[1], J. Sadowski[1]; [1]Krakow

09:15

Ascending aortic length by age group and risk of type A aortic dissection

S. Heuts[1], B. Adriaans[1], S. Gerretsen[1], J. Wildberger[1], J. Maessen[1], S. Schalla[1], P. Sardari Nia[1]; [1]Maastricht

09:30

A posterior leaflet plication clip as a surgical template for mitral valve repair

I. Wamala[1], M. Saeed[1], V.N. Vasilyev[1], P. Del Nido[1]; [1]Boston

10:15-11:45 Abstract Session 114

Coronary artery bypass graft and percutaneous coronary intervention

Moderators: M. Sousa Uva, Lisbon

Panellists: T. Gudbjartsson, Reykjavik; I.S. Modrau, Aarhus

Objectives:

Contemporary comparison between revascularisation methods. Dual antiplatelet therapy after coronary artery bypass graft.

10:15

The first EACTS QUIP database results on coronary artery bypass surgery

M. Mokhles, Rotterdam

10:30

Surgical revascularisation for coronary artery disease: a report from the CADISTO trial (Coronary Artery Disease and Surgical Therapy: Long-term Follow-up)

E.M. Delmo Walter[1], R. Meyer[1], G. Siegel[1], R. Hetzer[1]; [1]Berlin

10:45

No-touch saphenous vein grafts provide a better long-term patency than radial artery grafts

M. Dreifaldt[1], J.D. Mannion[2], H. Geijer[1], M. Lindén[1], D. Souza[1]; [1]Örebro, [2]Dover

11:00

Influence of practice patterns on outcome among countries enrolled in the SYNTAX trial; five year results between percutaneous coronary intervention and coronary artery bypass grafting

M. Milojevic[1], S. Head[1], M. Mack[2], F.W. Mohr[3], M.C. Morice[4], D. Holmes[5], P. Serruys[1], A. Kappetein[1]; [1]Rotterdam, [2]Plano, [3]Leipzig, [4]Massy, [5]Rochester

11:15

Midterm results of revascularisation in patients with chronic kidney disease requiring dialysis (coronary artery bypass grafting versus percutaneous coronary intervention)

F. Roshanali[1], M.H. Mandegar[1], M. Salehi[1]; [1]Tehran

11:30

Impact of dual antiplatelet therapy after coronary artery bypass surgery on one year outcomes in the Arterial Revascularisation Trial (ART)

U. Benedetto[1], D. Taggart[2]; [1]Bristol, [2]Oxford

Endocarditis

Moderators: M. Misfeld, Leipzig

Panellists: S. Kucuker, Ankara; W. Leeuwen, Rotterdam; C. Quarto, London

Objectives:

To review contemporaneous indications and outcomes of surgery for native valve and prosthesis.

10:15

Surgery for prosthetic valve endocarditis: A nation-wide retrospective multicenter study

A. Della Corte[1], M. Di Mauro[2], G. Actis Dato[3], G. Nappi[1], C. Diego[4], F. Santini[5], R. Scrofani[6], On Behalf Of[7]; [1]Naples, [2]Chieti-Pescara, [3]Torino, [4]Bergamo, [5]Genoa, [6]Milan, [7]Italian Society of Cardiac Surgery (SICCH)

10:30

Supporting imaging modalities for improving diagnosis of prosthesis endocarditis: Preliminary results of a single-center experience with Fluorine 18-Fluorodeoxyglucose positron emission Tomography/Computed Tomography

A. Kokalova[1], J. Sindermann[1], T. Regesta[2], A.M. Dell'aquila[3]; [1]Münster, [2]Genova, [3]Muenster

10:45

Neurologic outcomes after early operation of infective endocarditis in patients combined cerebral septic embolism

D.Y. Kim[1], K.H. Jo[1], H.W. Kim[1]; [1]Seoul

11:00

Complicated infective aortic endocarditis: Comparison of different surgical strategies

M. Silaschi[1], N. Nicou[2], M. Baghai[2], R. Deshpande[2], R. Dworakowski[2], P. Maccarthy[2], O. Wendler[2]; [1]Halle (Saale), [2]London

11:15

Incidence and surgical outcome of patients with native and prosthetic aortic valve endocarditis: A single centre experience over ten years

M. Luehr[1], N. Bauernschmitt[1], A. Dashkevich[1], S. Peterss[1], E. Bagaev[1], A. Oberbach[1], M. Pichlmaier[1], C. Hagl[1]; [1]Munich

11:30

Creative solutions for complex endocarditis involving the fibrous skeleton of the heart

D. Watson[1], S. Yakubov[1]; [1]Columbus

Extra corporeal circulation/Left ventricular assist device/ Transplantation 2

Moderators: A. Simon, Harefield

Panellists: N. Howell, Birmingham; T. Krabatsch, Berlin; J. Sjogren, Lund

Objectives:

To understand the outcomes in mechanical circulatory support and heart transplantation.

10:15

Update on the EUROMACS database in 2016

J. Gummert, Bad Oeynhausen

10:30
Outcome of patients treated with left ventricular assist device as bridge to heart transplantation or bridge to candidacy vs. marginal heart transplantation
A. Loforte[1], A. Montalto[2], M. Cefarelli[1], G. Jafrancesco[1], P. Lilla Della Monica[2], F. Grigioni[1], F. Musumeci[2], G. Marinelli[1] ; [1]Bologna, [2]Rome

10:45
Biventricular assist device for critically ill patients with biventricular heart failure: Successful bridge to heart transplantation
M. Wilhelm[1], F. Enseleit[2], S. Benussi[1], N. Jurrmann[3], F. Ruschitzka[2], F. Maisano[2]; [1]Zurich, [2]Zürich, [3]Berlin

11:00
Differences in the impact of donor variables on the outcome of mechanically bridged as compared to standard heart transplant recipients
M. Urban[1], K. Booth[1], G. Macgowan[1], S. Schueler[1]; [1]Newcastle upon Tyne

11:15
Outcome of mobile extracorporeal life support for out-of-center circulatory failure in 160 consecutive patients
H. Aubin[1], G. Petrov[1], M. Richter[1], H. Dalyanoglu[1], A. Lichtenberg[1], A. Albert[1]; [1]Düsseldorf

11:30
Long term survival and quality of life after ECLS
D. Camboni[1], A. Philipp[1], B. Floerchinger[1], D. Lunz[1], A. Holzamer[1], T. Müller[1], C. Diez[1], C. Schmid[1]; [1]Regensburg

10:15-11:45 Focus Session 122+123

Robotics revisited

Moderators: N. Bonaros, Innsbruck; R. Poffo, São Paulo; S. Senay, Istanbul

Objectives:
Review the current status of robotic surgery, with demonstration of some practical applications.

10:15
Evolution in robotic technology
R. Poffo, São Paulo

10:30
Live-in-a-box: Robotic mitral valve repair
D. Loulmet, New York

10:45
Robotic mitral valve repair: A European single center experience
E. Navarra[1], P. Noirhomme[1], L. De Kerchove[1], S. Mastrobuoni[1], P. Astarci[1], G. El Khoury[1]; [1]Woluwe-Saint-Lambert

11:00
Role of robotic in revascularisation surgery
J. Bonatti, Abu Dhabi

11:15
Robotic lung cancer resection: a fifteen-year experience
S. Ricciardi[1], G. Romano[1], C. Zirafa[1], C. Brignone[1], I. Cavaliere[1], F. Davini[3], F. Melfi[1], A. Mussi[1] ; [1]Pisa,

11:30
Live in a box: robotic lobectomy
F. Melfi, Pisa

Cardiac General

Moderators: H. Baumbach, Stuttgart; M.L. Kaljusto, Oslo

Objectives:
Improved decision making and patient care in general cardiac surgery.

10:15
Results of giant left atrium reduction with suture plication versus heart auto transplantation procedure in patients with mitral valve disease
E. Rosseikin[1], V. Bazylev[1], E. Nemchenko[1], A. Lavreshin[1], V. Karnakhin[1]; [1]Penza

10:23
Sound pressure levels in cardiac recovery units. An invisible harm
D. Mccormack[1], E. Ben-David[1], P. Theodoropoulos[1], G. Soppa[1], S. Mackie[1], K. Tan[1], P. Borra[1], G. Lockwood[1]; [1]London

10:31
The Cor-knot suture fastening system in conventional open cardiac surgery: Initial eighteen-month experience
S. Das De[1], P. Kapsomenakis[1], S. Dewar[1], H. El-Shafei[1]; [1]Foresterhill

10:39
Has publishing surgeon specific mortality results impacted on training in cardiac surgery?
S.W. Grant[1], J. Zacharias[1], D. Rose[1], A. Bose[1], A. Duncan[2], M.N. Bittar[1]; [1]Blackpool, [2]London

10:47
Audit of cardiac surgical follow ups: Reduction in unnecessary recalls
S. Jones[1], D. Moffat[1], G. Russell[1], A. Oo[1]; [1]Liverpool

10:55
Biocompatible vs. Conventional perfusion strategy in patients undergoing surgery of the proximal aorta
I. Ferstenfeld[1], A. Carranza[1], A. Korach[1], E. Rudis[1], A. Elami[1], O. Shapira[1]; [1]Jerusalem

11:03
Survival and functional capacity after complex cardiac surgery: are the outcomes patient or procedure related
M. Pettinari[1], G. Tamagnini[1], R. Devotini[1], H. Gutermann[1], C. Van Kerrebroek[1], L. Merckx[1], M. Van Der Laenen[1], R. Dion[1]; [1]Genk

11:11
Can monitoring central venous saturation replace monitoring mixed venous oxygen saturation in patients after cardiac surgery
M.A. Deja[1], W. ŻAkiewicz[1], Ł. Zioła[1]; [1]Katowice

An update on mitral valve interventions

Moderators: F. Collart, Marseille; T. Hanke, Lübeck

Objectives:

Balance outcomes of mitral valve replacement vs mitral valve repair. Learn about long term follow up after mitral valve surgery.

10:15

Late onset of atrial fibrillation in patients undergoing mitral valve repair against type 2 dysfunction

N. Kawamoto[1], T. Fujita[1], H. Hata[1], Y. Shimahara[1], Y. Kume[1], Y. Matsumoto[1], K. Yamashita[2], J. Kobayashi[1]; [1]Osaka, [2]Suita

10:23

Bioprosthetic mitral valve replacement in patients aged 65 or younger: Very long-term outcomes with the Carpentier-Edwards PERIMOUNT pericardial valve

T. Bourguignon[1], F. Espitalier[1], F. Ivanes[1], C. Pantaleon[1], P. Candolfi[2], P. Lhommet[1], M. Marchand[1], M. Aupart[1] ; [1]Tours, [2]Nyon

10:31

Should the mitral valve be repaired for moderate ischaemic mitral regurgitation at the time of revascularisation surgery? A meta-analysis

M. Salmasi[1], A. Harky[1], A. Benjafield[1], M. Chowdhry[2], S. Hubbard[2], E. Raevsky[1], H. Vohra[3], F. Suker[4] [1]London, [2]Leicester, [3]Bristol,[4]Nottingham

10:39

Risk factors for neurological complications after video-assisted minimally invasive mitral valve surgery: A twelve-year experience with 2000 patients

M. Murzi[1], A.G. Cerillo[1], P. Farneti[1], G. Concistre[1], G. Bianchi[1], M. Solinas[1]; [1]Massa

10:47

Single center experience with transapical transcatheter mitral valve implantations

G. Dahle[1], K.A. Rein[2], J. Offstad[2], A. Fiane[1]; [1]Oslo

10:55

Mitral valve surgery using minimally invasive versus sternotomy approach - A propensity matched comparison

A. Cetinkaya[1], M. Richter[1], M. Schönburg[1], M. Doss[1], N. Thaqi[1], A. Skwara[1], S. Szalay[1], T. Walther[1]; [1]Bad Nauheim

11:03

Reoperation for mitral paravalvular leak: A single center experience with 200 patients

S. Said[1], H. Schaff[1], K. Greason[1], A. Pochettino[1], R. Daly[1], J. Dearani[1]; [1]Rochester

10:15-11:45 Focus Session 115

Nightmares in cardio-thoracic surgery

Moderators: F.W. Mohr, Leipzig; P. Sardari Nia, Maastricht

Objectives:
Learning from complicated and often unexpected scenarios in cardio-thoracic surgery.

10:15
Cardiac
F.W. Mohr, Leipzig

10:30
Thoracic
P. Van Schil, Antwerp

10:45
Cardiac
S. Nashef, Cambridge

11:00
Thoracic
G. Friedel, Gerlingen

10:15-11:45 Focus Session 118+119

Your educational pathway in surgery: how can EACTS help you?

Moderators: T. Graham, London; M. Turina, Zurich

Objectives:
Familiarize yourself with the various tools that EACTS can offer to enhance training in cardio-thoracic surgery. To gain more information on the European Board examination The importance of harmonizing training programs in Europe.

10:15
The new Multi-Media Manual: The online learning tool for cardio-thoracic surgeons!
J. Hunter, Austin, R. Osnabrugge, Rotterdam

10:30
Boost your career: contribute to MMCTS!
R. Lorusso, Maastricht

10:42
How to contribute to MMCTS?
C. Mackin, Windsor

10:54
Track your career with the EACTS portfolio
A. Kappetein, Rotterdam

11:06
How to prepare for the European Board examination?
T. Graham, London

11:18
The EACTS skills program: learning techniques in a responsible way
R. Klautz, Leiden

11:30
Why should we and how can we harmonize training programs in Europe?
R. Sádaba, Pamplona

How can we work together? Latin America, Africa and Asia Perspective

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

Objectives:
To identify the needs and challenges in cardio-thoracic surgery in different regions.
To present and to share experience in assistance, learning and research that could be implemented in regions with similar profile.

10:15
Health care management: public and private policies
F. Smit, Bloemfontein

10:35
Challenges and strategies in technology and development
C.N. Lee, Singapore

10:55
Improving Investigation and publication
W. Gomes, Sao Paulo

11:15
Training and education: approaching the programs in 21st century?
F. Jatene, Sao Paulo

11:50-12:30 Plenary Session 116+117

The Presidential Address

Neulich nachts in Houston
F. Mohr, Leipzig

14:15-15:45 Focus Session 116+117

Mitral valve repair beyond P2

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

Objectives:
To review techniques and complications for advanced mitral valve repair

14:15
Isolated anterior leaflet prolapse + video
S. Lyager Nielsen, Aarhus

14:30
Isolated commissural prolapse + video
P. Modi, Liverpool

14:45
Is it you Mr Barlow?
L. Müller, Innsbruck

15:00
An unwelcome guest: Uncle SAM
F. Wells, Cambridge

15:15
Can we plan better to improve outcomes?
P. Sardari Nia, Maastricht

15:30
Tips and tricks for a minimally invasive approach
F. Van Praet, Aalst

14:15-15:45 Focus Session 115

Hypertrophic obstructive cardiomyopathy revisited

Moderators: G. Dreyfus, Monte-Carlo; A. Pitsis, Thessaloniki

Objectives:
A update on classification, treatment modalities and outcomes in hypertrophic obstructive cardiomyopathy.

14:15
Different types of hypertrophic obstructive cardiomyopathy, image based therapy
C. Gruner, Zürich

14:30
Transaortic, transseptum, transmitral and transapical access for which pathology
F. Schoendube, Gottingen

14:45
Long-term clinical outcome after alcohol septal ablation for hypertrophic obstructive cardiomyopathy
J. Veselka, Prague

15:00
Video
J. Seeburger, Leipzig

15:15
Predictors of long-term outcome in symptomatic hypertrophic obstructive cardiomyopathy patients
E. Quintana, Barcelona

15:30
Edge to edge repair, mitral valve replacement or Mitraclip in hypertrophic obstructive cardiomyopathy?
O. Alfieri, Milan

14:15-15:45 Abstract Session 114

Transcatheter aortic valve implantation

Moderators: D. Brown, Dallas

Panellists: H. Amrane, Leeuwarden; C. Hamilton, Vogtareuth; H. Treede, Halle

Objectives:
A review of clinical trends and outcomes in TAVI, including transaortic, transapical approaches and valve in valve interventions.

14:15
Clinical trends in surgical, minimally invasive, and transcatheter aortic valve replacement in 2,571 patients
M. Terwelp[1], V. Thourani[2], J. Lamelas[3], Y. Zhao[1], P. Balin[1], M. Justo[1], N. Ganim[1], T. Nguyen[1]; [1]Houston, [2]Atlanta, [3]Miami

14:30
Redo procedures for degenerated stentless aortic xenografts and the role of valve-in-valve transcatheter techniques
H. Grubitzsch[1], S. Zobel[1], T. Christ[1], S. Holinski[1], K. Stangl[1], M. Laule[1], S. Treskatsch[1], V. Falk[1]; [1]Berlin

14:45
Transcatheter aortic valve implantation using transaortic access – final results of the multicenter, multinational, prospective ROUTE registry
M. Romano[1], D. Frank[2], R. Cocchieri[3], D. Jagielak[4], N. Bonaros[5], M. Aiello[6], P. Bramlage[7], V. Bapat[8]; [1]Massy, [2]Kiel, [3]Amsterdam, [4]Gdańsk, [5]Innsbruck, [6]Pavia, [7]Cloppenburg, Germany, [8]London

15:00
Transapical aortic valve replacement is a safe option in patients with poor left ventricular ejection fraction. Results from a national registry
A. D'Onofrio[1], S. Salizzoni[2], C. Filippini[2], M. Agrifoglio[3], O. Alfieri[3], M. Aiello[1], M. Rinaldi[2], G. Gerosa[1]; [1]Padua, [2]Torino, [3]Milan

15:15
Transcatheter aortic valve implantation using the ACURATE TA System – twelve months' outcomes and comparison of registries SAVI and SAVI 2
J. Börgermann[1], J. Kempfert[2], W.K. Kim[3], N. Furukawa[1], M. Thielmann[4], K. Matschke[5], S. Ensminger[1], T. Walther[3]; [1]Bad Oeynhausen, [2]Berlin, [3]Bad Nauheim, [4]Essen, [5]Dresden

15:30
Antiplatelet therapy after transcatheter aortic valve implantation – Benefit or risk during mid-term follow-up
H. Baumbach[1], A. Stan[1], K. Wachter[1], C. Rustenbach[1], S. Ahad[1], U. Franke[1]; [1]Stuttgart

Rhythm Surgery in the upcoming decade

Moderators: S. Benussi, Zurich; M. Castella, Barcelona; M. La Meir, Brussels; S. Nashef, Cambridge

Objectives:
To learn the basis for a more extended use of rhythm surgery and its expanding boundaries.

14:15
Results of catheter ablation and "ablate and pace" for refractory atrial fibrillation
J. Brugada, Barcelona

14:30
The potential of atrial fibrillation surgery after the new ESC/EACTS guidelines
S. Benussi, Zurich

14:45
Discussion

14:55
Building up a low risk thoracoscopic program: learning curve
M. Mariani, Groningen

15:10
Hybrid options
B. van Putte, Nieuwegein

15:25
Modern role and skill set for open ablation
M. Castella, Barcelona

15:40
Discussion

15:45 Break

16:00
An integrated approach to left ventricular resynchronization
I. Kassai, London

16:15
Surgical perspectives in the management of pacing/implantable cardioverter-defibrillator devices
C. Starck, Berlin

16:30
Should a high profile arrhythmia center have an arrhythmia surgeon on board? PRO
Y. Blaauw, Groningen

16:45
Should a high profile arrhythmia center have an arrhythmia surgeon on board? CON
M. Ttritto, Castellanza

17:00
Panel discussion

17:25
Wrap up

Blood management

Moderators: A. Jeppsson, Gothenburg

Panellists: F. Barili, Cuneo; D. Ngaage, Cottingham; D. Protogeros, Athens

Objectives:
To identify risk factors associated with bleeding in cardiac surgery and review blood conservation strategies.

14:15
Predicting the risk of post-operative bleeding in coronary artery bypass patients on double antiplatelet therapy
A. Della Corte[1], A. Spadafora[1], C. Bancone[1], M. Borrelli[1], N. Galdieri[1], S. Nappo Quintiliano[1], G. Nappi[1], M. De Feo[1] ; [1]Naples

14:30
Benefits of patient-blood-management in cardiac surgery
H. Deschka[1], O.L. Balogh[1], R.G. Geißler[1], A.U. Steinbicker[1], S. Martens[1], A. Hoffmeier[1]; [1]Münster

14:45
Mild Hypothermia increases blood loss and transfusion requirements post cardiac surgery
A. Khosravi[1], A. Harky[1], S. Kolvekar[1], R. Uppal[1], N. Roberts[1], K. Wong[1], A. Shipolini[1]; [1]London

15:00
Aprotinin but not tranexamic acid improves platelet function in blood samples from ticagrelor-treated patients
S. Singh[1], C.J. Malm[1], C. Hesse[1], A. Jeppsson[2]; [1]Goteborg, [2]Gothenburg

15:15
A structured blood conservation program in adult cardiac surgery
A.B. Budak[1], H.S. Gedik[1], K. Korkmaz[1], N.B. Tumer[1], O. Ustunel[1], S. Gunaydin[1], K. Cagli[1]; [1]Ankara

15:30
Effects of fibrinogen and platelet transfusion on coagulation and platelet function in cardiac surgery patients with ongoing bleeding
C. Shams Hakimi[1], S. Singh[1], C. Hesse[1], A. Jeppsson[2]; [1]Goteborg, [2]Gothenburg

Developments in assist devices and transplantation

Moderators: F. Beyersdorf, Freiburg; N. Mokadam, Seattle

Objectives:
A comprehensive review of several aspects of assist device treatment and transplantation including new technologies, mortality outcomes and quality of life measures.

14:15
Successful support of biventricular heart failure patients by new EXCOR® Adult pumps with bileaflet valves
B. Schmack[1], A. Weymann[1], M. Wilhelm[2], F. Ruschitzka2, A.K. Menon[3], R. Autschbach[4], M. Karck[5], A. Ruhparwar[1]; [1]Heidelberg, [2]Zurich, [3]Berlin, [4]Aachen, [5]Hannover

14:23

ICOMS: A new heart-synchronized, wireless and intraventricular mini-LVAD

L. Barandon[1], M. Haddadi[1], J. Calderon[1], A. Maachou[1], P. Ritter[1], S. Nailî[2], A. Mascarell[1], S. Garrigue[3]; [1]Pessac, [2]Créteil, [3]Bordeaux

14:31

Is thirty-day mortality a reasonable quality endpoint in left ventricular assist device patients?

D. Savino[1], D. Spragan[1], F. McCarthy[1], P. Groeneveld[1], K. McDermott[1], T. Dibble[1], M. Acker[1], N. Desai[1]; [1]Philadelphia

14:39

Readmissions after implantation of continuous flow left ventricular assist devices

H. Welp[1], S. Martens[1], H. Deschka[1], J. Sindermann[1], M. Scherer[1]; [1]Münster

14:47

Quality of life with LVAD destination therapy

C. Weyland[1], A. Karluß[1], S. Bucsky[1], S. Radzewitz[1], H.H. Sievers[1], S. Klotz[1]; [1]Luebeck

14:55

Four dimensional magnetic resonance imaging flow analysis of right ventricular assist device outflow graft banding in a mock circulation

D. Reineke[1], C. Nathanael[2], B. Jung[2], B. Winkler[1], H. Jenni[1], L. Englberger[1], T. Carrel[1], M. Ith[1]; [1]Berne,

15:03

A new arterial cannula for bidirectional arterial perfusion

L. Von Segesser[1], S. Abdel-Sayed[1], E. Ferrari[2], D. Berdajs[3]; [1]Lausanne, [2]Lugano, [3]Zürich

15:11

Survival of patients undergoing Extracorporeal Life Support due to refractory cardiogenic shock

D. Schibilsky[1], A. Neumann[1], S. Markwort[1], W. Jost[1], H. Häberle[1], P. Rosenberger[1], T. Walker[1], C. Schlensak[1]; [1]Tübingen

15:19

Extracorporeal membrane oxygenation support in refractory post cardiotomy cardiogenic shock: a 10-year single center experience

J. Guihaire[1], S. Dang Van[2], X. Beneux[3], A. Anselmi[3], A. Leguerrier[3], J.P. Verhoye[3], E. Flécher[3] ; [1]Le Plessis-Robinson, [2]Angers, [3]Rennes

15:27

Effect of perioperative events and blood transfusions on long-term outcomes following heart transplantation

A. Cannata[1], F. Terrieri[1], T. Colombo[1], E. Ammirati[1], L. Botta[1], F. Milazzo[1], M. Frigerio[1], C.F. Russo[1]; [1]Milan

15:35

Pharmacological preconditioning with gemfibrozil preserves cardiac function after heart transplantation

K. Benke[1], C. Matyas[1], A.A. Sayour[1], I. Hartyanszky[1], Z. Szabolcs[1], G. Szabo[2], B. Merkely[1], T. Radovits[1]; [1]Budapest, [2]Heidelberg

14:15 - 15:45 Training in Research Session 118+119

Meta-analysis from start to finish

Moderators: D. Mylotte, Galway; R. Osnabrugge, Rotterdam

Objectives:

1. Pitfalls and recommendations to perform meta-analyses
2. Statistical tutorial for meta-analyses

14:15
Common pitfalls from meta-analyses
R. Osnabrugge, Rotterdam

14:33
Finding a topic for your meta-analysis
D. Mylotte, Galway

14:51
Statistics: heterogeneity and random- or fixed-effect model analysis?
N. Freemantle, London

15:09
Making forest and funnel plots
G. Hickey, Liverpool

15:27
Complying with MOOSE and/or PRIMA guidelines
C. Heilmann, Freiburg

14:15-15:45 Jeopardy 212

Final - Winner round 1 vs Winner round 2

See Sunday 13:30 for details

16:00-17:30 Focus Session 116+117

Transcatheter mitral valve intervention - Our business

Moderators: O. Alfieri, Milan; A. Cheung, Vancouver

Objectives:

To review the current status of transcatheter mitral valve interventions.

16:00
Current transcatheter repair options
F. Maisano, Zürich

16:15
Team approach; organisation, training, quality control
T. Modine, Lille

16:30
Current limitations of percutaneous edge to edge repair
M. De Bonis, Milan

16:45
Valve in valve and valve in ring
V. Bapat, London

17:00
Video - Transcatheter mitral valve implantation: What is on the horizon
R. Yadav, London

17:15
Can a transcatheter mitral valve replacement compete with surgical mitral valve repair?
A. Cheung, Vancouver

16:00-17:30 Abstract Session 115

Improving outcomes in hypertrophic obstructive cardiomyopathy

Moderators: P. Bajona, Dallas

Panellists: T. Holubec, Bad Nauheim; P. Shekar, Boston; J. Wippermann, Cologne

Objectives:
To understand treatment options of concomitant mitral valve repair and replacement. Innovative techniques for left ventricular outflow obstruction - resection.

16:00
Surgical correction of hypertrophic obstructive cardiomyopathy in patients with severe hypertrophy, septal myocardial fibrosis and ventricular tachycardia
K. Borisov[1]; [1]Moscow

16:15
Mitral valve repair or replacement in hypertrophic obstructive cardiomyopathy patients: Prospective randomized study
A. Bogachev-Prokophiev[1], M. Fomenko[1], S. Zheleznev[1], R. Sharifulin[1], A. Afanasyev[1], A. Pivkin[1], A. Karaskov[1]; [1]Novosibirsk

16:30
Hypertrophic cardiomyopathy: the edge-to-edge mitral valve repair secures the correction of the systolic anterior motion
M. Pozzi[1], N. Basillais[1], A. Dondas[1], D. Grinberg[1], M. Barthelet[1], G. Rioufol[1], G. Finet[1], J.F. Obadia[1]; [1]Bron

16:45
Pathoanatomics findings and treatment in hypertrophic obstructive cardiomyopathy surgery: the role of mitral valve
G. Raffa[1], G. Romano[1], S. Magro[1], R. Alduino[1], D. Bellavia[1], G. Mattiucci[1], G. Montalbano[1], M. Pilato[1]; [1]Palermo

17:00
Application of cryoenergy to improve exposure during transaortic septal miectomy in hypertrophic obstructive cardiomyopathy
A. Pozzoli[1], L. Vicentini[1], S. Thelin[2], L. Nilsson[2], O. Alfieri[1]; [1]Milan, [2]Uppsala

17:15
Long-term outcomes of concomitant surgical ablation of atrial fibrillation in patients undergoing cardiac surgery for hypertrophic cardiomyopathy
E. Lapenna[1], M. De Bonis[1], A. Pozzoli[1], S. Nascimbene[1], G. La Canna[1], S. Di Sanzo[1], T. Nisi[1], O. Alfieri[1] ; [1]Milan

Innovations in treatment of aortic valve disease

Moderators: A. Bochenek, Katowice

Panellists: F. Eckstein, Basel; H. El-Shafei, Foresterhill; D. Navia, Buenos Aires

16:00
A new technique to implant a transcatheter inflatable and fully repositionable prosthesis in aortic stenosis with severe asymmetric calcification
H. Bushnaq, Rostock

16:15
First experience with transfemoral TAVI without prior balloon pre-dilatation using a latest generation repositionable and retrievable transcatheter heart valve
A. Schaefer, Hamburg

16:30
Advantages of minimal access versus conventional aortic valve replacement in elderly or severely obese patients
C. Pisano, Palermo

16:45
The COMMENCE Trial: Two-year outcomes of the Edwards RESILIA aortic bioprosthesis
J. Puskas, New York

17:00
Safety and effectiveness of a novel stented bovine pericardial tissue valve in patients with aortic valve disease
R. Klautz, Leiden

Minimally invasive aortic valve replacement - How to do it right in all patients

Moderators: T. De Kroon, Nieuwegein; C. Young, London

Objectives:
To review indications, patient selection and modalities to perform minimal invasive aortic valve replacement.

Step 1: How to assess minimally invasive aortic valve replacement feasibility

16:00
Which patients are suitable for minimally invasive surgery?
M. Glauber, Milan

16:13
What imaging techniques, and why?
P. Klein, Nieuwegein

Step 2: 'Must do' and 'preferences'

16:26
Mini-upper sternotomy
J. Strauch, Bochum

16:39
Anterior right mini-thoracotomy
M. Cassese, Bari

Step 3: Devices to enable minimally invasive aortic valve replacement

16:52
Cardiopulmonary bypass & myocardial protection
T. Doenst, Jena

17:05
Rapid deployment and sutureless valves
M. Shrestha, Hannover

Step 4: How to fast track minimally invasive aortic valve replacement patients?
P. Oses, Bordeaux

16:00-17:30 Abstract Session 133+134

Translational vascular biology

Moderators: D. Chambers, London

Panellists: N. Bonaros, Innsbruck; J. Kluin, Amsterdam; W. Mohl, Vienna

Objectives:
learning the pathophysiology of human vessels reacting on pharmacological or humoral stimuli.

16:00
The effects of hemodynamics and shear stress on the ascending aortic wall in patients with a bicuspid aortic valve: a histopathology grading study
N. Grewal[1], E. Girdauskas[2], M. Deruiter[1], J. Lindeman[1], M.J. Goumans[1], R. Klautz[1], K. Disha[3], A. Gittenberger-De-Groot[1]; [1]Leiden, [2]Hamburg, [3]Bad Berka

16:15
Does perivascular tissue of human radial artery release factor with anticontractile/ vasorelaxing properties?
K. Kociszewska[1], M.A. Deja[1], M. Malinowski[1]; [1]Katowice

16:30
Characterization of agonist induced vasoconstriction in human pulmonary artery
A. Hussain[1], R. Bennett[1], Y. Haqzad[1], S.S.A. Qadri[1], M. Chaudhry[1], M. Cowen[1], M. Loubani[1], A. Morice[1]; [1]Cottingham

16:45
Comparison of effectiveness of agents commonly used for treatment of pulmonary artery hypertension
A. Hussain[1], R. Bennett[1], Y. Haqzad[1], A. Habib[1], M. Chaudhry[1], M. Cowen[1], M. Loubani[1], A. Morice[1]; [1]Cottingham

17:00
Contractility of the right gastroepiploic artery grafts increases at the distal portion
T. Kinoshita[1], M. Tawa[1], T. Suzuki[1], Y. Aimi[1], T. Asai[1], T. Okamura[1]; [1]Otsu

17:15
Effect of CO2 insufflation on structural and functional viability of human saphenous vein endothelium - Role of calcium mobilisation and nitric oxide production
S. Hashmi[1], B. Krishnamoorthy[1], J. Nair[1], N. Devan[1], I. Dimarakis[1], R. Venkateswaran[1], J. Fildes[1], N. Yonan[1]; [1]Manchester

Regeneration - Preservation

Moderators: P. Menasche, Paris

Panellists: P. Punjabi, London; M. Siepe, Freiburg; F. Smit, Bloemfontein

Objectives:
To understand the latest developments in regenerative medicine and protecting the myocardium during cardiac surgery.

16:00
Current stats of regenerative medicine in cardiac surgery
P. Menasche, Paris

16:15
Electrospinning of a bioresorbable polymeric anisotropic valved arterial conduit for pediatric cardiac surgery
D. Kalfa[1], B. Ahmad[2], M. Pontailler[3], P. Pouponneau[4], M. Blanchy[5], K. Thibaut[6], P. Menasché[3], G. Williams[2]; [1]New York, [2]London, [3]Paris, [4]Besançon, [5]Bordeaux, [6]Brussels

16:30
Direct subendocardial implant of autologous stem cells during left ventricular restoration for ischemic heart failure
G. Stefanelli[1], A. Olaru[1], M. Meli[1], F. Pirro[1], P. Giovanardi[1], D. Trevisan[1]; [1]Modena

16:45
A single center, single blind, randomised, active-controlled phase III non-inferiority study to investigate the safety and efficacy of the cardioplegic solution Cardioplexol™
H. Tevaearai Stahel[1], M. Unger[2], L. Bütikofer[3], M. Kroll[4], G. Weiss[2], C. Chène[5], S. Trelle[3], M. Grabenwöger[2]; [1]Stansstad, [2]Vienna, [3]Berne, [4]Kleve, [5]Blaustein

17:00
Synergistic cardio-protective effects of remote pre-conditioning in conjunction with the terminal blood cardioplegia against reperfusion induced myocardial dysfunction in an in vivo piglet model of prolonged single-dose cardioplegic arrest
T. Abe[1]; [1]Tokyo

17:15
Custodial versus cold Calafiore for elective cardiac arrest in isolated aortic valve replacement: a propensity matched analysis of 7263 patients
A. Hoyer[1], S. Lehmann[1], M. Mende[1], T. Noack[1], J. Garbade[1], M. Misfeld[1], F. Bakhtiary[1], F.W. Mohr[1]; [1]Leipzig

Adult Cardiac

Moderators: M. Borger, New York; M. Reardon, Houston

Objectives:
To comprehensively review issues with aortic valve and proximal aorta surgery, including the Ross operation, outcomes recent aortic valve prostheses including starless devices, and valve sparing surgery.

16:00
Twenty years' experience with the Ross operation in middle age patients – The autologous principle is still alive
F. Costa[1], D. Fornazari[1], E. Balbi[1], R. Marchetti[1], A. Ferreira[1], M. Costa[1], G. Roderjan[1], C. Colatusso[1]; [1]Curitiba

16:08
An assessment score to facilitate selection of the optimal patient for the Ross procedure
Z. Al Halees[1], V. Pergola[1], G. Di Salvo[1], E.B. Devol[1]; [1]Riyadh

16:16
Unilateral carotid cannulation using a side graft facilitate minimal invasive surgery of the ascending aorta and aortic arch
C. Bening[1], K. Hamouda[1], D. Radakovic[1], C. Schimmer[1], M. Oezkur[1], I. Aleksic[1], A. Gorski[1], R. Leyh[1]; [1]Würzburg

16:24
Can Perceval sutureless valve reduce the patient prosthesis mismatch rate?
I. Belluschi[1], S. Moriggia[1], A. Giacomini[1], B. Del Forno[1], S. Di Sanzo[1], A. Blasio[2], A. Scafuri[3], O. Alfieri[2]; [1]Milan, [2]Milan, [3]Roma

16:32
Mid-term durability of the Trifecta bioprosthesis in a single-center experience
A. Anselmi[1], E. Flécher[1], H. Corbineau[1], T. Langanay[1], J.P. Verhoye[1], A. Leguerrier[1] ; [1]Rennes

16:40
Comparative analysis of aortic valve reoperation following stentless versus stented xenograft prostheses: Short and long-term outcomes
B. Yang[1], H. Patel[1], C. Debenedictus[1], K. He[1], W. Hornsby[1], X. Wu[1], D. Likosky[1], G. Deeb[1]; [1]Ann Arbor

16:48
Does the circumferential annloplasty influence the long-term results of valve sparing root replacement?
Y. Inoue[1], K. Minatoya[2], A. Omura[1], J. Kobayashi[2] ; [1]Suita, [2]Osaka

16:56
The impact of chronic obstructive pulmonary disease on outcome in patients undergoing transfemoral vs. transapical transcatheter aortic valve implantation - Data from the Vienna Transcatheter Aortic Valve Registry (VICTORY)
M. Mach[1], M. Koschutnik[1], D. Santer[1], A. Strouhal[1], F. Veit[1], G. Delle-Karth[1], M. Grabenwöger[1], G. Weiss[1]; [1]Vienna

Meet the experts

Moderators: A.P. Kappetein, Rotterdam

Objectives:

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

16:00

Aortic and Mitral valve reconstruction

Panellists: G. El Khoury, Woluwe-Saint-Lambert V. Falk, Berlin E. Lansac, Paris M. Misfeld, Leipzig F.W. Mohr, Leipzig

16:00 Surgical AVR for early dysfunction of TAVI

M. Morsolini[1]; A. Armaro[1]; G. Mattiucci[1]; G. Romano[1]; G. Montalbano[1]; L. Centineo[2]; M. Turrisi[1]; M. Pilato[1]

[1]Department for the treatment and study of cardio-thoracic diseases and cardio-thoracic transplanta, ISMETT, Palermo, Italy; [2]Department of anesthesia and intensive care, ISMETT, Palermo, Italy

16:15 Aortic Root Aneurysm and Mitral Valve Prolapse in a Marfan Patient with Extreme Chest Wall Deformity

T. Koler[1]; A. Korach[2]; U. Izhar[3]; O. Shapira[2]

[1]Cardio-Thoracic surgery - Hadassah Ein Karem, Bet Horon, Israel; [2]Cardio-Thoracic surgery, Hebrew University, Hadassah Medical Center/Cardio-Thoracic Surgery, Jerusalem, Israel; [3]Cardio-Thoracic surgery, Hebrew University, Hadassah Medical Center, Jerusalem, Israel

16:30

Complex aortic disease

Panellists: J. Bavaria, Philadelphia M. Grabenwöger, Vienna H. Jakob, Essen D. Pacini, Bologna

16:30 Third Cardiac Redo-Operation: Vascular Graft Infection of the Ascending Aorta with a perfused Cabrol membrane

JJ. Eulert-Grehn[1]; S. Sündermann; S. Jacobs; V. Falk; J. Kempfert

Department of Cardio-Thoracic and Vascular Surgery, German Heart Institute Berlin, Berlin, Germany

16:45 Off-pump total debranching and antegrade thoracic endovascular aortic repair (TEVAR) + CABG for the patient with severe COPD, low EF and shaggy aorta

T. Ide; Y. Watanabe; J. Yokota; K. Kin; Y. Shirakawa

Cardiovascular Surgery, Osaka General Medical Center, Osaka, Japan

17:00

Combined complex cardiac and thoracic pathology

Panellists: S. Blackmon, Rochester E. A. Rendina, Rome P. Van Schil, Antwerp P.B. Licht, Odense

17:00 Graft-esophageal fistula after total arch replacement

K. Yamanaka; N. Shiiya; N. Washiyama; K. Yamashita; D. Takahashi; N. Sakagami; K. Natsume

First department of surgery, Hamamatsu University School of Medicine/First Department of Surgery, Hamamatsu, Japan

17:15 Surgical treatment for annuloaortic ectasia and aortic dissection comorbid with pectus excavatum

J. Yokota; K. Kin; Y. Watanabe; T. Ide; Y. Shirakawa

Cardiovascular surgery, Osaka General Medical Center, Osaka, Japan

Fighting infection in cardiac surgery

Moderators: J. Bachet, Nogent-sur-Marne; M. Misfeld, Leipzig

Panellists: M. Grimm, Innsbruck

Objectives:
To review the approach to prevention and treatment of endocarditis. This session offers a unique opportunity to view cases and scenarios dealt by experts in the area.

08:15
Rationale for the endocarditis team
R. Klautz, Leiden

08:30
Timing of intervention
C. Mestres, Abu Dhabi

08:45
A case of endocarditis with neurological complications
M. De Bonis, Milan

09:00
Endocarditis after transcatheter aortic valve intervention
H.G.H. Thyregod, Copenhagen

09:15
Endocarditis surgery needs a radical approach
F. Bakhtiary, Leipzig

09:30
Extensive infective endocarditis of the aortic root and aortic-mitral continuity: a mitral valve sparing approach
A. Tomsic[1], A. Schneider[1], M. Palmen[1], T.J. Van Brakel[1], M. Versteegh[1], R. Klautz[1]; [1]Leiden

09:45 Break

10:15
Repair options in mitral and tricuspid valve endocarditis
G. El Khoury, Woluwe-Saint-Lambert

10:30
Infection of assist devices
J. Gummert, Bad Oeynhausen

10:45
Mediastinitis, prevention and treatment
R. Yadav, London

11:00
Direct sternal administration of vancomycin and gentamycin during closure prevents wound infection in a high-risk patient population
M. Andreas[1], M. Muckenhuber[1], D. Hutschala[1], G. Laufer[1], T. Fleck[1]; [1]Vienna

11:15
Managing infected pacemaker leads
C. Starck, Berlin

11:30
Graft infection after Bentall and arch replacement
U. Rosendahl, London

Bioprosthetic valve durability: also for younger patients?

Moderators: D. Aicher, Homburg/Saar; B. Alsoufi, Atlanta; D. Koolbergen, Amsterdam

Objectives:
To review the current knowledge on durability of bioprosthesis and the conundrum of implanting in younger patients.

08:15
Is it still important to prolong valve durability nowadays?
J.J. Takkenberg, Rotterdam

08:29
What's the evidence on valve durability for elderly and younger patients nowadays?
T. Bourguignon, Tours

08:43
Understanding the determinants of SVD to extend durability
J.C. Roussel, Nantes

08:57
New tissue technologies and the need for pre-clinical studies
B. Meuris, Leuven

09:11
The challenge of valve replacement in young adults: Worth an investigation?
C. Baird, Boston

09:25
Considerations for surgical aortic valve replacement re-operations
V. Bapat, London

09:39
Summarising the current knowledge
N. Van Mieghem, Rotterdam

Atrial fibrillation and management of the left atrial appendage

Moderators: S. Benussi, Zurich; P. Sommer, Leipzig; B. van Putte, Nieuwegein

Objectives:
To review the latest knowledge on surgical atrial fibrillation and management of left atrial appendage. A focus novel imaging techniques and anticoagulation strategies.

08:15
Atrial fibrillation ablation + exclusion of the left atrial appendage (video)
M. La Meir, Brussels

08:30
Left atrial appendage: We can achieve 100% closure!
M. Emmert, Zurich

08:45
The role of anticoagulation management after atrial fibrillation ablation
J. Brugada, Barcelona

09:00
Rationale of the CEASE (Combined Endoscopic Epicardial and Percutaneous) atrial fibrillation and LAAOS (Left Atrial Appendage Occlusion Study) III trials
N. Doll, Stuttgart

09:15
The perfect line
M. Castella, Barcelona

09:30
Magnetic resonance imaging guided atrial fibrillation ablation: radiation free catheter ablation
P. Sommer, Leipzig

08:15-09:45 Abstract Session 112

Tricuspid valve - repair and replacement

Moderators: G. Wimmer-Greinecker, Bad Bevensen

Panellists: W.R. Chitwood Jr., Greenville; F. Emrich, Leipzig; S. Livesey, Southampton

Objectives:
To understand innovations and outcomes in tricuspid valve surgery.

08:15
Physiological growth potential of a tricuspid valve extracellular matrix tube graft in a chronic pig model
D.M. Ropcke[1], C. Ilkjaer[1], M. Tjornild[1], S. Skov[1], S. Ringgaard[1], V. Hjortdal[1], S. Lyager Nielsen[2]; [1]Aarhus N, [2]Aarhus

08:30
Mortality after tricuspid valve procedures: A twenty-seven-year single center experience
V. Fröjd[1], G. Folino[1], E. Sheikhan[1], A. Jeppsson[1], G. Dellgren[1]; [1]Gothenburg

08:45
Simplified minimally-invasive technique for safe isolated tricuspid re-do surgery
G. Faerber[1], R. Siordia Dawson[1], M. Diab[1], T. Doenst[1]; [1]Jena

09:00
Repair and replacement for isolated tricuspid valve regurgitation
J.A. Ziegelmueller[1], T. Guenther[1], C. Nöbauer[1], R. Lange[1] ; [1]Munich

09:15
An innovative concept for treatment of tricuspid regurgitation - proof of concept
H. Lausberg[1], R. Gryszkiewicz[1], M. Kuetting[2], M. Baumgaertner[2], M. Centola[2], H.P. Wendel[1], C. Schlensak[1]; [1]Tübingen, [2]Hechingen

09:30
Long-term results (up to 14 years) of the clover technique for the treatment of complex tricuspid valve regurgitation
M. De Bonis[1], E. Lapenna[1], S. Di Sanzo[1], B. Del Forno[1], A. Castiglioni[1], A. Pozzoli[1], I. Giambassi[1], O. Alfieri[1]; [1]Milan

Translational regenerative medicine for cardio-thoracic surgeons

Moderators: A. R. Akar, Ankara; S. Hoerstrup, Zurich

Objectives:
An overview on experimental regenerative medicine for the cardio-thoracic surgeon including stem cell therapy, tissue engineering and tracheal transplantation.

08:15
Stem cell therapy still in the embryonic stage
C. Stamm, Berlin

08:30
A new milestone: embryonic stem cells entering the clinic
P. Menasche, Paris

08:45
Five year clinical results after trachea transplantation
A. Lichtenberg, Düsseldorf

09:00
Tissue engineered heart valves
M. Emmert, Zurich

09:15
First ever bio-absorbable heart valve implantation
L. Bockeria, Moscow

09:30
3D printing to simplify and improve the fabrication of human heart valve scaffolds
H. Schwandt, Berlin

Bicuspid aortic valve and its challenges

Moderators: J. Pepper, London

Panellists: R. Di Bartolomeo, Bologna; L. Ihlberg, Helsinki

Objectives:
To understand the natural history and genetics of bicuspid aortic valve and the surgical management of bicuspid aortic valve.

08:15
Natural history of bicuspid aortic valve aortopathy
L. De Kerchove, Woluwe-Saint-Lambert

08:30
When to operate on bicuspid aortic valve aorta
P. Fedak, Calgary

08:45
Genetics of bicuspid aortic valve aortopathy and other forms of aneurysm
A. Verstraeten, Antwerp

09:00
Effect of volume on outcomes in this cohort of patients
M. Czerny, Freiburg

09:15
Surgical options for bicuspid aortic valve aortopathy
H.J. Schäfers, Homburg/Saar

09:30
Fate of aorta in bicuspid aortic valve patients following isolated aortic valve replacement
A. Menander, Tampere

08:15-09:45 Rapid Response 211

Coronary artery bypass graft: Decreasing complications and improving graft potency

Moderators: T. Folliguet, Vandoeuvre les Nancy; D. Taggart, Oxford; L. Torracca, Ancona

Objectives:
To understand how to improve saphenous vein potency and stroke risk reduction.

08:15
Clinical impact of ascending aortic manipulation during off-pump coronary artery bypass grafting in patients with 3 vessel disease
A. Saito[1], H. Miyata[2], N. Motomura[1], M. Ono[3], S. Takamoto[4]; [1]Chiba, [2]Shinjuku, [3]Bunkyo, [4]Chiyoda

08:23
How to reduce neurological complication. Prospective single-center study 3454 patients
A. Marchenko[1], P. Mialiuk[1]; [1]Perm

08:31
Graft survival following coronary artery bypass grafting: a systematic review of patency between the left and right coronary artery systems
A.C. Pinho-Gomes[1], D. Taggart[2]; [1]Manchester, [2]Oxford

08:39
Graft patency is a predictor of health related quality of life after coronary artery bypass grafting
N. Samano[1], B. Lennart[1], K. Jan[1], G. Håkan[1], A. Mikael[1], S. Domingos[1]; [1]Örebro

08:47
DuraGraft, a one-time intraoperative treatment for the prevention of vein graft failure improves clinical outcomes after coronary artery bypass grafting – Long-term analysis of 2,436 consecutive patients
M. Haime[1], D. Gagnon[1], K.E. Kurgansky[1], N. Kosik[1], C. Nelson[1], K. Cho[1], M.J. Gaziano[1]; [1]Boston

08:55
Early results after external saphenous vein mesh implantation reveal bypass constriction six months after coronary artery bypass grafting
A. Zientara[1], O. Dzemali[1], D. Odavic[1], A. Haeussler[1], M. Gruszczynski[1], M. Genoni[1]; [1]Zürich

09:03
Randomised control trial comparing the effect of carbon-dioxide insufflation and histological damage on different types of vein harvesting for coronary artery bypass surgery
B. Krishnamoorthy[1], C. William[1], J. Carey[1], N. Devan[1], A. Ashworth[1], A. Caress[1], J. Fildes[1], N. Yonan[1]; [1]Manchester

09:11
Does saphenous vein grafting have a fifty percent higher death rate with triple vessel coronary disease into the late period?
A. Royse[1], Z. Pawanis[2], J. Ou-Young[1], S. Clarke[1], C. Royse[1]; [1]Parkville, [2]Surabaya

09:19
Should the radial artery be used in patients with peripheral vascular disease? Comparison with Bilateral internal thoracic artery grafting
D. Pevni[1], Y. Ben-Gal[1], R. Mohr[1], Z. Raviv[1], A. Kramer[1], Y. Paz[1], N. Nesher[1]; [1]Tel-Aviv

08:15 - 09:45 Training in Research Session 120+121

Starting a trial: what you must know

Moderators: F. Barili, Cuneo; S. Head, Rotterdam

Objectives:
1. How to set up a randomized trial
2. Insights into the statistics involved in a randomized trial

08:15
Getting your ideas funded
M. Mack, Plano

08:33
Setting up the trial: a practical example from SYNTAX and EXCEL
A. Kappetein, Rotterdam

08:51
Superiority or non-inferiority trial?
S. Head, Rotterdam

09:09
Choosing your endpoint and the sample size
M. Wyler Von Ballmoos, Milwaukee

09:27
The basic and more complex principles for analyzing the data
N. Freemantle, London

10:15-11:45 Focus Session 115

Late tricuspid regurgitation after previous mitral valve surgery

Moderators: M. Antunes, Coimbra; J.L. Pomar, Barcelona

Objectives:
To review the pathophysiology, presentation and treatment of this not uncommon and high risk surgical scenario.

10:15
Why do some patients develop late tricuspid regurgitation?
M. Sitges, Barcelona

10:30
The complex triad of pulmonary hypertension, right ventricular failure and severe tricuspid regurgitation
J. Braun, Leiden

10:45
Why are they referred too late for surgery?
M. De Bonis, Milan

11:00
The surgical challenge of repairing late tricuspid regurgitation
B. Pfannmueller, Leipzig

11:15
Forget about repair, just replace!
V. Falk, Berlin

11:30
What are the limitations of current transcatheter technologies?
N. Moat, London

10:15-11:45 Abstract Session 114

Stand-alone and concomitant MAZE is an evidence based procedure

Moderators: M. Castella, Barcelona

Panellists: S. Benussi, Zurich; F. Casselman, Aalst; B. van Putte, Nieuwegein

Objectives:
To understand the existing evidence about the concomitant and stand-alone arrhythmia surgery.

10:15
Minimally invasive Cox Maze IV ablation procedure performed entirely by bipolar clamp concomitant to mitral valve surgery through right lateral minithoracotomy
J. Mei[1], N. Ma[1], Z. Jiang[1], H. Liu[1], T. Min[1] ; [1]Shanghai

10:30
Randomized trial of concomitant maze procedure using nitrous oxide-based versus argon-based cryoablation in patients with persistent atrial fibrillation
P.W. Park[1], D.S. Jeong[1], K. Sung[1], W.S. Kim[1], Y.T. Lee[1]; [1]Seoul

10:45
Minimally invasive Cox Maze atrial ablation performed concomitant to mitral valve repair
D. Glower[1], J.S. Rankin[2]; [1]Durham, [2]Morgantown

11:00
European prospective multicenter study of hybrid thoracoscopic and transcatheter ablation of persistent atrial fibrillation: The historic atrial fibrillation trial
C. Muneretto[1], G. Polvani[2], R. Krakor[3], G. Bisleri[1], L. Giroletti[1], M. Moltrasio[2], C. Tondo[2], A. Curnis[1]; [1]Brescia, [2]Milan, [3]Witten

11:15
Thoracoscopic ablation only versus staged hybrid procedure in persistent atrial fibrillation: A prospective randomized controlled trial
C.S. Jeon[1], D.S. Jeong[1], Y.K. On[1]; [1]Seoul

11:30
One-year mortality and costs after surgical ablation for atrial fibrillation concomitant to coronary artery bypass grafting
J.S. Rankin[1], M.J. Braid-Forbes[1], D. Lerner[1], M. Ferguson[1], V. Badhwar[1]; [1]Morgantown

Coronary artery bypass graft: From start to finish

Moderators: M. Zembala, Zabrze

Panellists: T. Kieser, Calgary; A. Rastan, Rotenburg; R. Zandbergen, Amsterdam

Objectives:
To update on most recent knowledge in surgical coronary revascularization.

10:15
A new way to use transit flow measurement in coronary artery bypass grafting
N. Bonaros[1], M. Kofler[1], A. Basaran[1], J. Dumfarth[1], A. Sakic[1], O. Chevtchik[1], M. Grimm[1], T. Schachner[1]; [1]Innsbruck

10:30
Anaortic off-pump versus clampless off-pump using the PAS-Port device versus conventional coronary artery bypass grafting – Early and midterm outcomes of 5,422 unselected patients
N. Furukawa[1], K. Oliver[2], K. Preindl[1], A. Renner[1], A. Aboud[1], K. Hakim-Meibodi[1], J. Gummert[1], J. Börgermann[1]; [1]Bad Oeynhausen, [2]Düsseldorf

10:45
Preoperative atorvastatin reduces the risk of bleeding and blood products use in patients undergoing on-pump coronary artery bypass grafting: results from a large retrospective study
A. Nenna[1], C. Spadaccio[2], F. Nappi[3], M. Lusini[1], F. Prestipino[1], T. Petitti[1], M. Chello[1]; [1]Roma, [2]Clydebank, [3]Saint-Denis

11:00
Is the right internal thoracic artery superior to saphenous vein for grafting the right coronary artery. A propensity score based analysis
U. Benedetto[1], M. Caputo[1], A. Bryan[1], G.D. Angelini[1]; [1]Bristol

11:15
Does the use of a free internal mammary artery graft compromise long-term survival? A twenty-three year follow up using propensity scores
N. Vistarini[1], D. Kalavrouziotis[1], F. Dagenais[1], P. Voisine[1], J. Perron[1], E. Charbonneau[2], E. Dumont[1], S. Mohammadi[1] ; [1]Quebec

11:30
Re-modelling of the ipsilateral ulnar artery after harvesting of the radial artery graft in coronary artery bypass surgery. A prospective study
M. Lima[1], L. Lougon[1], F. Barros[1], F. Reis[1], F. Teixeira[1], H. Silva[1], W. Gomes[2]; [1]Vitória, [2]Sao Paulo

Functional mitral insufficiency

Moderators: C. Acar, Paris

Panelllists: T. Asai, Otsu; L. Conradi, Hamburg; M. Pasic, Berlin

Objectives:
To understand the importance of subvalvular apparatus in functional mitral regurgitation. Repair or replacement in functional mitral regurgitation.

10:15
The papillary muscle approximation provides stability of mitral valve repair for ischemic mitral regurgitation
A. Mikulyak[1], V. Bazylev[1], E. Rosseikin[1], F. Bartosh[1], V. Karnakhin[1], R. Babukov[1]; [1]Penza

10:30

Restrictive annuloplasty with or without papillary muscle approximation for functional mitral regurgitation: Impact on postoperative left ventricular reverse re-modelling

Y. Misumi[1], T. Masai[1], K. Toda[1], S. Kainuma[2], T. Daimon3, T. Ueno[1], T. Kuratani[1], Y. Sawa[1]; [1]Osaka, [2]Sakai, [3]Nishinomiya

10:45

Beneficial effects of restrictive annuloplasty on subvalvular geometry in patients with functional mitral regurgitation and advanced cardiomyopathy

S. Kainuma[1], T. Funatsu[1], K. Toda2, M. Nishino[1], S. Maeda[1], T. Daimon[3], Y. Sawa[2], K. Taniguchi[1]; [1]Sakai, [2]Osaka, [3]Nishinomiya

11:00

Inferior patch plasty normalizes tethering in ischemic mitral regurgitation in case of inferior aneurysm/dyskinesia

M. Pettinari[1], G. Tamagnini[1], R. Devotini[1], C. Van Kerrebroek[1], H. Gutermann[1]; [1]Genk

11:15

Mitral valve surgery: Repair versus replacement in functional and organic mitral valve disease

B. Schneider[1], C. Oezpeker[1], C. Krapf[1], J. Kilo[1], E. Ruttmann-Ulmer[1], M. Grimm[1], L. Müller[1]; [1]Innsbruck

11:30

Transfemoral system for mitral valve reconstruction - Multicentre trial result

P. Denti[1], Milan; A. Vahanian[2], Paris; G. Nickenig[3], Bonn; A. Colombo[1], Milan; K.H. Kuck[4], Hamburg; S. Baldus[5], Cologne; F. Maisano[6], Zurich; O. Alfieri[1], Milan

10:15-11:45 Abstract Session 118+119

Transcatheter aortic valve implantation 2

Moderators: M. Mack, Plano;

Panellists: S. Head, Rotterdam; D. Holzhey, Leipzig; A. Unbehaun, Berlin

Objectives:

To review the role of TAVI in intermediate risk patients, valve in valve scenario, in very elderly patients and outcomes from registries.

10:15

Predilatation in balloon-expandable transcatheter aortic valve implantation: necessity or nuisance?

K. Hamm[1], W. Reents[1], M. Zacher[1], P. Halbfass[1], S. Kerber[2], A. Diegeler[1], B. Schieffer[3], S. Barth2; [1]Bad Neustadt, [2]Bad Neustadt an der Saale, [3]Marburg

10:30

The valve-in-valve concept and the influence of patient prosthesis mismatch after surgical aortic valve implantation

P. Kiefer[1], A. Hoyer[1], T. Noack[1], J. Seeburger[1], S. Leontyev[1], A. Linke[1], F.W. Mohr[1], D. Holzhey[1]; [1]Leipzig

10:45

Transcatheter aortic valve replacement vs. surgical aortic valve replacement in patents at intermediate-high risk: A meta-analysis

M. Carnero Alcázar[1], M. Gª Bouza[1], B. Ramchandani.[1], C.J. Cobiella[1], A. Alswies[1], F. Reguillo[1], L. Maroto[1]; [1]Madrid

11:00
Transcatheter aortic valve implantation versus standard aortic valve replacement in over 85 years old patients
S. Sponga[1], L. Torracchi[1], M. Isola[1], I. Armellini[1], M. Grillo[1], M. Meneguzzi[1], E. Mazzaro[1], U. Livi[1] ; [1]Udine

11:15
Transcarotid transcatheter aortic valve implantation: Multicenter experience in France
N. Laurent[1], T. Modine[2], K. Saiydoul[1], K. Zannis[3], M. Elfarra[1], F. Vanhuyse[1], P. Maureira[1], T. Folliguet[1]; [1]Vandœuvre-lès-Nancy, [2]Lille, [3]Paris

11:30
The bicuspid aortic valve in transcatheter aortic valve implantation evaluation of clinical outcomes and management strategies
M. Doss[1], J. Koehne[1], A. Van Linden[1], M. Arsalan[1], W.K. Kim[1], C. Liebetrau[1], T. Walther[1]; [1]Bad Nauheim

10:15-11:45 Focus Session 120+121

Improving outcome of left ventricle assist device therapy

Moderators: G. Gerosa, Padua; A. Usui, Nagoya

Objectives:
To review the management of common complicated scenarios associated with left ventricular assist device therapy. A presentation of the EuroMACS project.

10:15
Management of pump thrombosis
T. Krabatsch, Berlin

10:30
Dealing with right heart failure
A. Vincentelli, Lille

10:45
Tailored implantation techniques and device selection
J. Schmitto, Hannover

11:00
How to deal with aortic insufficiency in left ventricular assist devices
A. Simon, Harefield

11:15
Update on EUROMACS data
T. De By, Berlin

11:30
Shifts in indications
G. Wieselthaler, San Francisco

Risk modelling and scoring systems in cardiac surgery

Moderators: T. Gudbjartsson, Reykjavik; S. Nashef, Cambridge

Objectives:
To review the results of implementation of known and the presentation of new risk models predicting outcomes in cardiac surgery.

10:15
Internal validation of a novel risk score to predict the need for nutrition support after cardiac surgery
T. Crawford[1], R. Ohkuma[1], A. Suarez-Pierre[1], A. Brown[1], S. Snyder[1], P. Brown[1], G.J. Whitman[1]; [1]Baltimore

10:23
Improved early identification of most severe cardiac surgery-associated acute kidney injury by combined determination of Creatinine, Neutrophil Gelatinase-Associated Lipocalin and Cystatin C
J. Kališnik[1], E. Hrovat[2], T. Tumpaj[2], J. Zibert[2], A. Jerin[2], M. Skitek[2], G. Santarpino[1], T. Klokocovnik[2]; [1]Nuremberg, [2]Ljubljana,

10:31
EuroSCORE II predicts mid-term morbidity and mortality in coronary artery bypass surgery
R. Ma[1], B. Li[1], J. Eng[1], H.D. Luo[1], O.C. Ooi[1] ; [1]Singapore

10:39
Which patient characteristics would predict renal replacement therapy after cardiac surgery
G. Drossos[1], A. Boutou[1], L. Karagounis[1], F. Ampatzidou[1] ; [1]Thessaloniki

10:47
Performance of the EuroScore-II and the STS score in predicting preoperative mortality after surgical aortic valve replacement in a contemporary cohort from a single institution
S. Mastrobuoni[1], C. De Meester[1], J. Baert[1], L. De Kerchove[1], E. Navarra[1], P. Astarci[1], P. Noirhomme[1], G. El Khoury[1] ; [1]Woluwe-Saint-Lambert

10:55
Is it time to determine EuroSCORE II risk category boundaries?
D. Nezic[1], T. Spasic[1], S. Micovic[1], D. Kosevic[1], I. Petrovic[1], M. Borzanovic[1]; [1]Belgrade

11:03
Preoperative psoas muscle area is associated with long-term survival after heart valve surgery
H. Okamura[1], N. Kimura[1], K. Yuri[1], K. Adachi[1], H. Matsumoto[2], A. Yamaguchi[1], H. Adachi[1]; [1]Saitama, [2]saitama

11:11
Modified model for end-stage liver disease predicts death within one year in patients with severe heart failure awaiting heart transplantation
B. Szygula Jurkiewicz[1], J. Pacholewicz[1], P. Nadziakiewicz[1], W. Szczurek[1], M. Skrzypek[1], M. Zakliczynski[2], M. Zembala[2], M. Gasior[1]; [1]Katowice, [2]Zabrze

10:15 - 11:45 Focus Session 122+123

Simulation based training

Moderators: D. Pagano, Birmingham; R. Sádaba, Pamplona

Objectives:
Simulation-based training: Airline pilot training and translation to cardio-thoracic surgery.

10:15
Simulation and training of pilots at KLM: lessons that we learned
H. Hello, Amsterdam

10:45
Simulation-based training in cardio-thoracic surgery
P. Sardari Nia, Maastricht

11:15
Future of cardio-thoracic training
R. Sádaba, Pamplona

11:50-12:30 Plenary 116+117

The Honoured Guest Lecture

Speed and Perfection
R. Battellini, Buenos Aires

11:50-12:30 Resident's luncheon Banquet Hall

The force awakens: training of the new Jedi

Table I: Masters of minimally invasive mitral valve surgery
P. Perier, Bad Neustadt/Saale H. Vanermen, Woluwe Saint Lambert

Table II: Masters of transcatheter interventions
S. Kats, Maastricht T. Walther, Bad Nauheim

Table III: Masters of GUCH
B. Davies, London M. Hazekamp, Leiden

Table IV: Masters of uniportal VATS
D. Gonzalez, la Coruña P.B. Licht, Odense

Table V: Masters of Robotics in cardio-thoracic surgery
T. Folliguet, Vandoeuvre les Nancy; B. Maesen, Maastricht

Table VI: Masters of aortic surgery
F. Beyersdorf, Freiburg D. Pacini, Bologna

Table VII: Masters of VADS
M. Morshuis, Bad Oeynhausen

Places at the Resident's luncheon is limited and must be pre-booked the registration desks. Registration is free

14:15-15:45 Focus Session 116+117

People skills for surgeons

Moderators: N. Mokadam, Seattle; M. Sitges, Barcelona

Objectives:
To reflect on challenges of communications with patients and work-life balance issues facing surgeons.

14:15
Human factors in patient safety
J. Coselli, Houston

14:30
Succeeding with difficult conversations
D. Pagano, Birmingham

14:45
Work-Life balance makes us better doctors
D. Wood, Seattle

15:00
Burn-out: Another challenge for the cardio-thoracic surgeon
R. Benetis, Kaunas

15:30
The beauty of humanitarian medicine
E. Farkas, Appleton

14:15-15:45 Abstract Session 115

Coronary artery bypass graft: Minimally invasive and hybrid revascularisation

Coronary artery bypass graft: Minimally invasive and hybrid revascularisation
Moderators: F. Casselman, Aalst

Panellists: H. Arai, Tokyo; M. Cikirikcioglu, Geneva; A. Repossini, Brescia

Objectives:
To review the current knowledge on minimally invasive and hybrid coronary artery revascularization.

4:15
Hybrid coronary revascularisation in 2016
A. De Souza, London

14:30
Hybrid coronary revascularisation versus off-pump coronary artery bypass grafting: Comparative effectiveness analysis with long-term follow-up
V. Giambruno[1], P. Jones[1], M. Chu[1], F. Khaliel[1], P. Teefy[1], K. Sridhar[1], S. Lavi[1], B. Kiaii[1]; [1]London

14:45
Hospital and mid-term results of prospective randomized controlled trial MICSREVS (Minimally Invasive Cardiac Surgery REVascularization Strategy)
A. Ziankou[1], Y. Ostrovsky[2], M. Laiko[1], K. Vykhrystsenka[3], V. Chuyashou[1], A. Zhyhalkovich[2]; [2]Vitebsk, [2]Minsk, [3]Віцебск

15:00
Perioperative outcomes of off-pump minimally invasive cardiac surgery/coronary artery bypass with bilateral internal thoracic arteries under direct vision
K. Keita[1], L. Tao[1], K. Atsushi[2], M. Makoto[3]; [1]Wuhan, [2]Yamato, [3]Connecticut

15:15
Multi-vessel video-assisted small thoracotomy coronary artery bypass grafting using in-situ bilateral internal thoracic arteries and gastroepiploic artery
A. Ziankou[1], Y. Ostrovsky[2]; [1]Vitebsk, [2]Minsk

15:30
Multi arterial minimally invasive coronary artery bypass graft: benefits and drawbacks
P. Davierwala, Leipzig

14:15-15:45 Abstract Session 114

Who will do well after aortic valve replacement?

Moderators: O. Jegaden, Abu Dhabi

Panellists: B. Gersak, Ljubljana; P. Kolh, Liege; D. Wendt, Essen

Objectives:
Outcomes in aortic valve replacement.

14:15
Three-year outcome after surgical and transcatheter aortic valve interventions for aortic valve disease in 13,260 patients - An analysis of the nationwide German Aortic Valve Registry
A. Welz[1], F. Mellert[1], C. Hamm[2], T. Walther[2], H. Moellmann[2], J. Cremer[3], A. Beckmann[4], F.W. Mohr[5]; [1]Bonn, [2]Bad Nauheim, [3]Kiel, [4]Berlin, [5]Leipzig

14:30
Predictors of left ventricular recovery following surgical intervention for aortic insufficiency
S. Mohajeri[1], K. Mclean[1], J. Kapralik[1], V. Chan[1], T. Coutinho[1], M. Boodhwani[1]; [1]Ottawa

14:45
Outcome of treatment decisions in patients with severe aortic stenosis
C. Lloyd[1], J. Villaquiran[1], E. Mohamed-Ahmed[1], M. Dalrymple-Hay[1]; [1]Plymouth

15:00
The bicuspid aortic root: Replace, retain, or re-implant
K. Milewski[1], A. Habertheuer[1], T. Wallen[1], A. Chou[1], C. Komlo[1], N. Desai[1], J. Bavaria[1], P. Vallabhajosyula[1]; [1]Philadelphia

15:15
Prospective randomized comparison of two supraannular aortic valve xenografts using stress echocardiography
A. Van Linden[1], M. Arsalan[1], T. Körschgen[1], J. Blumenstein[2], F. Hecker[1], J. Kempfert[3], T. Walther[1]; [1]Bad Nauheim, [2]Dortmund, [3]Berlin

15:30
Outcomes of isolated aortic valve replacement in a rheumatic population. Are the guidelines appropriate for the majority of patients in the developing world?
J. Scherman[1]; [1]Cape Town

14:15-15:45 Focus Session 113

Designing a valve centre of excellence; not just numbers!

Moderators: G. Dellgren, Gothenburg; J. Sjogren, Lund

Objectives:
To address the debate on the definition and the design, including process, infrastructure and outcome monitoring of valve centre of excellence.

14:15
Volume outcome relationship: The importance of numbers
C. Acar, Paris

14:30
Cardiology support: Principles and setting the standards
D. Mylotte, Galway

14:45
Mitral valve surgery: Defining hospital volume, repair rates, and mortality
J. Grau, Ridgewood

15:00
Volume outcome relationship in new procedures: how to get the best outcome starting aortic valve repair
E. Lansac, Paris

15:15
Same for transcatheter aortic valve implantation? Better in-hospital outcomes with higher volumes?
D. Brown, Dallas

15:30
Showing the results: Standards for registries, follow-up, and reporting
J. Nilsson, Lund

14:15-15:45 Focus Session 112

Electrophysiology and the surgeon

Moderators: C. Muneretto, Brescia; C. Starck, Berlin

Panellists: M. Kolowca, Rzeszow

Objectives:
Describe common complex electrophysiology scenario that might require surgical input.

14:15
Lead extraction with high frequency laser sheaths: a single-center experience
S. Pecha[1], M. Linder[1], N. Gosau[1], S. Willems[1], H. Reichenspurner[1], S. Hakmi[1]; [1]Hamburg

14:30
Tricuspid valve regurgitation after laser lead extraction
S. Hakmi[1], S. Pecha[1], M. Linder[1], L. Castro[1], H. Treede[2], H. Reichenspurner[1]; [1]Hamburg, [2]Halle (Saale)

14:45
Leadless pacing
P. Sommer, Leipzig

15:00
Lead extraction: Laser assisted or mechanical assistance?
C. Kennergren, Gothenburg

15:15
Epicardial lead placement where and when
C. Kik, Rotterdam

15:30
Ventricular ablation: A case for the surgeon?
B. Maesen, Maastricht

14:15-15:45 Abstract Session 120+121

Catheter based mitral valve techniques

Moderators: D. H. Adams, New York

Panellists: G. D'Ancona, Berlin; G. Lutter, Kiel; S. Sündermann, Berlin

Objectives:
To understand the implications of transcatheter mitral valve repair. Techniques of transcatheter mitral valve repair.

14:15
State of the art and Future of transcatheter mitral valve techniques
V. Badhwar, Pittsburgh

14:30
Identification of candidates to transcatheter valve-in-valve or valve-in-ring mitral procedures regardless of risk-scores: insights from a multicenter European redo-registry
F. Onorati[1], D. Reichart[2], A. Perrotti[3], G. Gatti[4], G. Mariscalco[5], A. Rubino[6], A. Salsano[7], G. Santarpino[8]; [1]Verona, [2]Hamburg, [3]Besançon, [4]Trieste, [5]Leicester, [6]Pedara, [7]Genova, [8]Nuremberg

14:45
Transapical transcatheter valve in valve implantation vs minimally invasive surgery for failed mitral bioprostheses
A.G. Cerillo[1], M. Murzi[1], M. Solinas[1], S. Berti[1] ; [1]Massa

15:00
What happens after Mitraclip implantation: is it really safe in young patients?
G. Beattie[1], H. El-Shafei[2]; [1]Clydebank, [2]Foresterhill

15:15
First experience with a transcatheter mitral valve with apical tether
G. Dahle[1], K.A. Rein[2], T. Helle-Valle[1], A. Fiane[1]; [1]Oslo,

15:30
Will minimally invasive or transcatheter mitral valve repair play a role in asymptomatic mitral valve insufficiency?
S. Hunter, Sheffield

14:15 - 15:45 Training in Research Session 118+119

Interpreting randomised trial data

Moderators: R. Klautz, Leiden; A. Parolari, Milan

Objectives:
1. Statistical interpretation of trial data
2. Clinical evaluation of trial conclusions

14:15
Different ways of reporting differences (absolute, relative, etc.)
G. Hickey, Liverpool

14:33
The P value is <0.05, but is it (clinically) significant?
S. W. Grant, Blackpool

14:51
No significant difference, but an underpowered trial is no evidence…
R. Klautz, Leiden

15:09
Crossovers and intention-to-treat or as-treated?
N. Freemantle, London

15:27
Beware of the non-inferiority margin!
S. Head, Rotterdam

14:15 - 15:45 Focus Session 122+123

Pro and Cons debates

Moderators: B. Arabkhani, Leiden; I. Ilonen, Helsinki; A. Newcomb, Melbourne

Objectives:
To inform the debate on current cardio-thoracic clinical issues, including role of TAVI in intermediate risk patients, minimally invasive mitral repair and uniportal VAT lobectomy.

14:15
Transcatheter aortic valve implantation for intermediate risk patients - PRO
H. G. H. Thyregod, Copenhagen

14:20
Transcatheter aortic valve implantation for intermediate risk patients - CON
J. Pepper, London

14:35
Minimally invasive mitral valve repair for all patients with degenerative mitral valve - PRO
F.W. Mohr, Leipzig

14:40
Minimally invasive mitral valve repair for all patients with degenerative mitral valve - CON
P. Sardari Nia, Maastricht

14:55
Sutureless valves for a 65-year-old patient - PRO
M. Glauber, Milan

15:00
Sutureless valves for a 65-year-old patient - CON
R. Sádaba, Pamplona

15:15
Uniportal lobectomy for all - PRO
A. Sihoe, Hong Kong

15:20
Uniportal lobectomy for all - CON
P. Van Schil, Antwerp

16:00-17:30 Abstract Session 116+117

Complications in mitral valve surgery

Moderators: G. Wimmer-Greinecker, Bad Bevensen

Panellists: V. N. Diana, Córdoba; J. Herreros, Pamplona; G. Van Nooten, Ghent

Objectives:
To learn about the management of common complications and treatment options for paravalvular leak.

16:00
Impact of failed mitral valve repair on hospital outcome of redo-mitral procedures
F. Onorati[1], G. Gatti[2], A. Perrotti[3], G. Mariscalco[4], D. Reichart[5], A. Rubino[6], A. Salsano[7], E. Della Ratta[8]; [1]Verona, [2]Trieste, [3]Besançon, [4]Leicester, [5]Hamburg, [6]Pedara, [7]Genova, [8]Naples

16:15
Semi-rigid mitral annuloplasty rings have better myocardial stress adaptation and same remodelling effect as rigid rings that might decrease risk of ring dehiscence
S.N. Skov[1], D.M. Ropcke[1], M. Tjornild[1], C. Ilkjaer[1], J. Rasmussen[1], H. Nygaard[2], M. O. Jensen[3], S. Lyager Nielsen[2]; [1]Aarhus N, [2]Aarhus, [3]Fayetteville

16:30
Systolic anterior motion and mitral valve repair: A predicting computational model
P. Denti[1], A. Geretto[1], L. Vicentini[1], N. Buzzatti[1], A. Pozzoli[1], F. Monaco[1], M. De Bonis[1], O. Alfieri[1]; [1]Milan

16:45
Early and late outcomes after conservative approach to mitral annulus calcification during mitral valve replacement surgery
R. Ben-Avi[1], B. Orlov[1], L. Sternik[1], A. Kogan[1], M. Feinberg[1], A. Shalabi[1], R. Kuperstein[1], E. Raanani[1]; [1]Ramat Gan

17:00
Mitral periprosthetic leakage: Contemporary results of surgical correction in the era of transcatheter therapy
L. Botta[1], B. De Chiara[1], S. Quattrocchi[1], F. Nicolo'[1], V. Margari[1], A. Costetti[1], A. Moreo[1], C.F. Russo[1]; [1]Milan

17:15
Circumflex artery distortion following mitral valve surgery: A prospective study to identify high risk anatomy and its management
I. Birdi[1], V. Caruso[1], A. Bivona[1], J. Dada[1], B. Middleton[1], W. Serino[1], S. Gedela[1]; [1]Basildon

Tissue repair and myocardial homeostasis

Moderators: G. Steinhoff, Rostock

Panellists: C. Stamm, Berlin; B. Winkler, Berne; R. Zandbergen, Amsterdam

Objectives:
To learn pathophysiology of repair, metabolism and gene expression in experimental clinical setup, relevant to cardiac surgery.

16:00
Metabolomic profiling in patients undergoing off-pump or on-pump coronary bypass surgery
H. Kirov[1], M. Schwarzer[1], S. Neugebauer[1], G. Faerber[1], T. Sandhaus[1], M. Diab[1], M. Kiehntopf[1], T. Doenst[1]; [1]Jena

16:15
In rat hearts, respiratory chain acceleration compensates for Levosimendan-induced decrease of mitochondrial ATP-synthesis due to mitoK+ATP channel opening
S. Sommer[1], M. Leistner[1], I. Aleksic[1], C. Schimmer[1], R. Leyh[1], S.P. Sommer[2]; [1]Würzburg, [2]Rostock

16:30
Gene expression profiling in non-syndromic acute type A aortic dissection followed by in vitro assessment
N. Kimura[1], K. Futamura[2], M. Arakawa[3], F. Emrich[4], A. Matsuda[2], H. Adachi[1], K. Matsumoto[2], M. Fischbein[3]; [1]Saitama, [2]Tokyo, [3]Palo Alto, [4]Leipzig

16:45
Quantitative proteomics highlights decrease of matricelullar proteins post implantation of left ventricular assist device
J. Shahinian[1], M. Grapow[1], O. Reuthebuch[1], K. Brehm[2], F. Eckstein[1], F. Beyersdorf[2], M. Siepe[2], O. Schilling[2]; [1]Basel, [2]Freiburg

17:00
Implantable and biodegradable mesoporous iron oxide scaffold for efficient regeneration and repair of myocardial infarction
W. Wang[1], H. Tao[1], B. Kong[1], L. Wei[1], C. Wang[1]; [1]Shanghai

17:15
Investigation of paracrine potential of stromal vascular fraction cells to recover cardiomyocyte function after exposure to hypoxia
M. Mytsyk[1], C. Giulia[1], G. Martin[1], F. Eckstein[1], A. Marsano[1]; [1]Basel

Aortic valve replacement - rapid deployment valves

Moderators: T. Walther, Bad Nauheim

Panellists: D. Calcaterra, Minneapolis; G. Santarpino

Objectives:

To learn about new technology (rapid deployment valves) in aortic valve replacement.

16:00

Long-term outcomes of a rapid deployment aortic valve: up to five year follow up

G. Laufer[1], A. Haverich[2], A. Kocher[1], F.W. Mohr[3], T. Walther[4], M. Shrestha[2], C. Giot[5], T. Wahlers[6]; [1]Vienna, [2]Hannover, [3]Leipzig, [4]Bad Nauheim, [5]Nyon, [6]Cologne

16:15

Minimally access versus conventional aortic valve replacement: A meta-analysis comparison of outcomes based on propensity matched studies

S.E. Shehada[1], Y. Elhmidi[2], Ö. ÖZtürk[2], N. Puluca[2], F. Mourad[1], J. Benedik[1], M. Thielmann[1], H. Jakob[1]; [1]Essen, [2]Munich,

16:30

Perceval S valve: A useful tool for aortic valve replacement in degenerated prostheses

B.X. Ruyra[1], E. Berastegui Garcia[1], S. Badia[2], R.M.L. Camara[1], R.L.J. Delgado[1], G.C. Fernandez[1], F.B. Romero[1], A.I. Julia[1]; [1]Badalona, [2]Barcelona

16:45

Surgical treatment of aortic stenosis with rapid-deployment aortic valve replacement: One-year clinical outcomes in 147 patients

E. Ravis[1], A. Theron[1], V. Gariboldi[1], D. Grisoli[1], L. Messous[1], C. Amanatiou[1], F. Collart[1]; [1]Marseille

17:00

Minimally invasive aortic valve surgery. Multicenter registry initial experience

S. Badia[1], F. Estevez[2], S. Canovas[3], E. Castedo[4], G. Reyes[4], J.A. Hernandez[5], M. Tauron[1], J.M. Melero[6]; [1]Barcelona, [2]Coruña, [3]Murcia, [4]Madrid, [5]Sevilla, [6]Málaga

17:15

Anterolateral mini-thoracotomy and partial upper hemisternotomy versus median sternotomy in isolated aortic valve replacement

S. Semsroth[1], Y. Rodriquez Raith[1], M. Grimm[1], L. Müller[1], R. Matteucci-Gothe[2], E. Ruttmann-Ulmer[1]; [1]Innsbruck, [2]Hall in Tirol

From cardiac surgery guidelines to aircrew licensing regulations

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

Objectives:
To understand the criteria for the "fit-to-fly" eligibility of aircrew after cardiac surgery. To understand the cardiac surgery options available when considering cardiac surgery in aircrew. To learn the difference between cardiac surgery guidelines and aircrew licensing regulations. To learn the surgical limitations between civil and military aircrew.

16:00
Introduction
J. Pepper, London

16:05
Cardiac assessment of display pilots
S. Mitchell, London

16:20
Cardiac health in the air - the NATO perspective
E. Nicol, Henlow

16:35
British airways pilots with cardiac issues and the impact on flight operations
R. Caddis, London

16:50
Competitive flow in coronary artery bypass grafting and current flight crew licensing regulations: Really?
T. Syburra, Lucerne

17:05
Preoperative diagnostic cardiac magnetic resonance imaging in pilots before surgery
J. d'Arcy, Oxford

17:20
Panel discussion

17:30
Conclusion
J. Pepper, London

Beyond lines and clips

Moderators: M. La Meir, Brussels; S. Salzberg, Zurich

Objectives:
To understanding the controversies about appropriate lines, energy sources and appendage occlusion during arrhythmia surgery.

16:00
Long term incidence of thromboembolic complications after minimally invasive treatment of stand-alone atrial fibrillation without left atrial appendage exclusion
G. Bisleri[1], L. Giroletti[1], F. Rosati[2], L. Di Bacco[1], C. Muneretto[1]; [1]Brescia, [2]Bordeaux

16:08
Evaluation of a novel open-ended left atrial appendage management device; the AtriClip PRO·V and a novel hoop-less delivery system; the AtriClip PRO2
M. Mumtaz[1], G. Kim[2], A. Sticca[2]; [1]Harrisburg, [2]Cincinnati

16:16
Surgical ablation for atrial fibrillation concomitant to mitral valve surgery. Insights from more than 350 patients
S. Pecha[1], S. Willems[1], H. Reichenspurner[1], F. Wagner[1]; [1]Hamburg

16:24
Surgical ablation for persistent atrial fibrillation in concomitant cardiac surgery, Mid-long term results
W. Gu[1], H. Guo[1], C. Lu[1], H. Huang[1], J. Liu[1], J. Liu[1], B. Xie[1], J. Zhuang[1]; [1]Guangzhou

16:32
Concomitant surgical ablation for atrial fibrillation in patients with age >75 years. Worth the effort?
S. Pecha[1], S. Hakmi[1], S. Willems[1], H. Reichenspurner[1], F. Wagner[1]; [1]Hamburg

16:40
Cox-Maze versus pulmonary vein isolation for persistent atrial fibrillation concomitant with non-mitral valve surgery
S. Kainuma[1], M. Masataka[2], K. Toda[3], T. Daimon[2], T. Masai[3], K. Taniguchi[1], Y. Miyamoto[2], Y. Sawa[3]; [1]Sakai, [2]Nishinomiya, [3]Osaka

16:48
Long-term results (more than 5 years) of Maze IV surgery for lone refractory persistent atrial fibrillation
A. Pozzoli[1], S. Benussi[2], E. Lapenna[1], I. Giambuzzi[1], L. Vicentini[1], S. Nascimbene[1], P. Della Bella[1], O. Alfieri[1]; [1]Milan, [2]Zurich,

16:56
Epicardial clip occlusion of left atrial appendage during cardiac surgery provides optimal surgical results and long term stability
V. Kurfirst[1], A. Mokráček[2], J. ČAnádyová[1], R. Frána[1], P. Zeman[1], L. Pešl[1]; [1]České Budějovice, [2]Ceske Budejovice

16:00 - 17:30 Focus Session 122+123

Complex case discussions in adult cardiac surgery

Moderators: V. Falk, Berlin

Panellists: O. Alfieri, Milan; X. Freixa, Barcelona; J.L. Pomar, Barcelona; M. Sitges, Barcelona; P. Tornos, Barcelona

Objectives:

Cases being presented and discussed between cardiologists and cardiac surgeons. The cases will be collected during the year and presented by residents.

Refer to the Final Programme online for programme details.

16:00-17:30 Focus Session 211

EACTS publications: Best papers

Moderators: F. Beyersdorf, Freiburg, M. Siepe, Freiburg

16:00

"Hybrid versus open repair of aortic arch aneurysms: comparison of postoperative and mid-term outcomes with a propensity score-matching analysis" by Y. Tokuda et al

M. Borger, New York

16:10

"Uniportal video-assisted thoracoscopic lobectomy versus other video-assisted thoracoscopic lobectomy techniques: a randomised study" by V. Perna et al

G. Rocco, Naples

16:20

"No difference between aspirin and warfarin after extracardiac Fontan in a propensity score analysis of 475 patients" by A J. Iyengar et al

T. Karl, Saint Petersburg

16:30

"The incidence and mortality of acute thoracic aortic dissection: results from a whole nation study" by I H. Melvinsdottir et al

C. Mestres, Abu Dhabi

16:40

"Long-term support of patients receiving a left ventricular assist device for advanced heart failure: a follow-up analysis of the Registry to Evaluate the HeartWare Left Ventricular Assist System" by J D. Schmitto et al

A. Wahba, Trondheim

16:50

"A prospective comparison of mid-term outcomes in patients treated with heart transplantation with advanced age donors versus left ventricular assist device implantation" by E. Ammirati et al

A. R. Akar, Ankara

17:00
Best Evidence Topics: “What dose of tranexamic acid is most effective and safe for adult patients undergoing cardiac surgery” by S. Hodgson et al
R. White, Middlesbrough

17:10
“Hybrid two-stage repair of thoracoabdominal aortic aneurysm” by R. Di Bartolomeo et al
R. Lorusso, Maastricht

17:20
“Anomalous aortic origin of coronary arteries: ‘anatomical’ surgical repair” by R. Gaudin et al
R. Prêtre, Lausanne

A future without suture: where we stand?

Moderators: G. Fontana, Los Angeles; M. Glauber, Milan; T. Fischlein, Nuremberg

Objectives:
To learn several starless techniques for valve implantation, and their pitfalls.

09:00
How I select my aortic valve replacement patients with rapid deployment valves
J. Kempfert, Berlin

09:15
How I select my aortic valve replacement patients with sutureless valves
B. Gersak, Ljubljana

09:30
The best option for future transcatheter aortic valve replacement?
D. Dvir, Vancouver

09:40
Decalcification and sizing: technical aspects improve performance in rapid deployment and sutureless valves
T. Fischlein, Nuremberg

09:50
Ballooning in sutureless and rapid deployment valves: different concept?
W. R. Chitwood Jr., Greenville

10:00
My best and my worst case with rapid deployment valve
G. Laufer, Vienna

10:10
My best and my worst case with sutureless valve
A. Miceli, Milan

10:20
Training program to learn new technologies
S. Kats, Maastricht

10:30
Sutureless and transcatheter aortic valve implantation: reimbursement and health economic aspects of new technologies
T. Folliguet, Vandoeuvre les Nancy

10:40
Break

11:10
Sutureless and rapid deployment in redo procedures
M. Glauber, Milan

11:25
Sutureless and transcatheter aortic valve implantation: latest evidence at a glance driving patient selection for aortic valve replacement in low-medium risk aortic valve replacement patients
C. Muneretto, Brescia

11:40
Sutureless and traditional valves: latest evidence at glance driving patient selection in medium-high risk aortic valve replacement patients
S. Subramanian, Nashville

11:55
New controlled randomized trial for sutureless valves and transcatheter aortic valve replacement

12:10
Panel discussion
R. Lorusso, Maastricht

09:00-10:30 Focus Session 133+134

Multiple arterial grafting: how I do it

Moderators: P. Davierwala, Leipzig; D. Glineur, Ottawa

Objectives:
To learn techniques for multiples arterial grafting, including indications, conduit choice and how to do it.

09:00
Where and how to do a composite Y grafting with 2 internal thoracic arteries
D. Glineur, Ottawa

09:15
In-situ right internal thoracic artery, above or below the aorta?
J. Grau, Ridgewood

09:30
Sequential arterial grafting on the lateral wall, is it safe?
H. Nakajima, Saitama

09:45
Where should the radial artery be re-implanted: aorta vs left internal thoracic artery?
W. Shi, Melbourne

10:00
Is the gastroepiploic artery still a good graft option?
G. Tavilla, Leiden

10:15
Complete arterial revascularisation, do we need two or three grafts?
M. Gaudino, New York

Controversies & Catastrophes in Adult Cardiac Surgery

Moderators: M. Shrestha, Hannover

Objectives:
The objective of this session is to discuss in different controversial topics in adult cardiac surgery in an objective way. Faculty members are experts in different fields of cardiac surgery and will be talking about 'controversial' topics.

09:00
Introduction
M. Shrestha, Hannover

09:10
Transcatheter aortic valve implantation alternative routes seen from the CT surgeon: Transcarotid transcatheter aortic valve implantation the way to go?
T. Folliguet, Vandoeuvre les Nancy

09:25
The heart department: the days of separate cardiology and cardiac surgery department are over?
B. Scheiffer, Marburg

09:40
Tricuspid valve reconstruction with Cormatrix
S.C. Malaisrie, Chicago

09:55
Cardiac valve prosthesis: fact and fallacy
J. McKenna, Inchinnan

10:10
Living with Warfarin is not as bad as perceived
B. Rajbanshi, Kathmandu

10:25 Break

10:55
Implications of Brexit on Cardio-Thoracic Surgery in the UK and in Europe?
C. Munsch, Leeds

11:10
Catastrophic infections following aortic surgery
J. Umminger, Hannover

11:25
Catastrophic aortic re-operations: Getting in and getting out
P. Bajona, Dallas

11:40
Why surgery for functional mitral regurgitation has failed, will percutaneous MVR be better
G. Fontana, Los Angeles

11:55
Closing remarks
M. Shrestha, Hannover

09:00-12:00 Focus Session 127+128

How to do it, with live in box?

Moderators: O. Alfieri, Milan; I. Ilonen, Helsinki; J. Pepper, London

Objectives:
A collection of complex surgical cases relavant to cardio-thoracic surgery.

09:00
Extensive thoracic wall resection and reconstruction
G. Friedel, Gerlingen

09:15
Uniportal lobectomy
A. Sihoe, Hong Kong

09:30
Minimally invasive atrial septal defect
B. Davies, London

09:45
Transposition of the great arteries
O. Raisky, Paris

10:00
Root surgery for endocarditis
E. Quintana, Barcelona

10:15
Frozen elephant trunk
M. Czerny, Freiburg

10:30
Robotic coronary artery bypass graft
A. Kiser, Greenville

10:45
Valve-in-valve transcatheter aortic valve implantation
S. Kats, Maastricht

09:00-12:00 Wetlab 111

Mitral Valve Repair

Moderators: M. De Bonis, Milan

Objectives:
To learn the principes of mitral valve repair, including leaflet resuspension and ring annuloplasty.

This wetlab will be restricted to 40 participants.

Registration is required and will be available at the on-site registration desks.

Fee €20.

Raising Standards through Education and Training

Thoracic Disease Domain Programme

EACTS
European Association For Cardio-Thoracic Surgery

Thoracic Courses

2016

All courses to take place at EACTS House in Windsor, UK, unless stated otherwise

Modern Perspectives on Atrial Fibrillation Surgery	24-25 November
Hospital Leadership: Head, heart and values	28-29 November

2017

Thoracic Surgery: Part I	27-31 March
Video-Assisted Thoracoscopic Surgery (VATS)	18-19 May, Berlin, Germany
Thoracic Surgery: Part II	12-14 June
Basic Science	30 June-1 July
Thoracic Surgery: Part III	4-6 December

Chair:

Peter Licht, Odense, Denmark
Giuseppe Cardillo, Rome, Italy
Ilkka Ilonen, Helsinki, Finland
Tunc Lacin, Istanbul, Turkey
Richard Milton, Leeds, UK
Pala Rajesh, Birmingham, UK
Eric Roessner, Mannheim, Germany
Ralph Schmid, Berne, Switzerland

09:00-12:30 Techno College 113

Beyond conventional video assisted thoracic surgery: Part 1

Moderators: P.B. Licht, Odense; L. Molins, Barcelona; R. Schmid, Berne

Live Surgery from Shanghai

Uniportal video-assisted thoracic surgery lobectomy
D Gonzales-Rivas, la Coruña

Uniportal anatomical segmentectomy
D Gonzales-Rivas, la Coruña

Uniportal subxiphoid lobectomy
Dr Zhao, Shanghai

Presentations:

Is there a role for 3D video-assisted thoracic surgery?
J. Räsänen, Helsinki

New developments in robot-assisted thoracic surgery
F. Melfi, Pisa

Vessel management: should you always use staplers?
T. Lacin, Istanbul

Beyond conventional video assisted thoracic surgery: Part 2

Moderators: S. Blackmon, Rochester; P.B. Licht, Odense; R. Schmid, Berne

Presentations:

Advanced stapling techniques/ microcutters
J. Dunning, Middlesbrough

Prevention and management of video-assisted thoracic surgery complications
H. Decaluwe, Leuven

Single-port pneumonectomy
G. Kocher, Berne

Uniportal video-assisted thoracoscopic surgery sleeve resections
D Gonzales-Rivas, la Coruña

CATS hybrid approach for pulmonary nodules
E. Roessner, Mannheim

New 3D imaging may assist surgeons before video assisted thoracic surgery-lobectomy
P. Sardari Nia, Maastricht

08:15-09:45 Focus Session 131+132

State of the art in airway and oesophageal endoluminal therapy

Moderators: I. Ilonen, Helsinki; D. Mathisen, Boston

Objectives:
An update in the latest treatment modalities for airway and oesophageal endoluminal therapy: patient selection, technical discussion, pitfalls and outcome.

08:15
Stenting in oesophageal malignancy
J. Räsänen, Helsinki

08:30
Stenting in central airway obstruction
D. Wood, Seattle

08:45
Oesophageal perforations: To stent or to operate
G. Kähler, Mannheim

09:00
Lasers and cryotherapy in the airways
F. Stanzel, Hemer

09:15
Advanced techniques for closing tracheao-oesophageal fistulas
M. Boada Collado, Barcelona

08:15-09:45 Focus Session 120+121

Basic science: Thoracic

Moderators: H. J. Ankersmit, Vienna, R. Schmid, Berne

08:15
Chemokines and chemokine ligands in lung cancer – biomarker and potential target
T. Ploenes, Essen

08:35
Biomarkers in patients with pulmonary metastases
T. Schweiger, Vienna

08:55
Lung cancer and stem cells
T. Marti, Berne

09:15
The role of growth factors and their receptors in malignant pleural mesothelioma
M. A. R. Hoda, Vienna

09:35
Discussion

08:15-09:45 Training in Research Session 122+123

Preparing your scientific breakthrough: from abstract to paper

See page 29 for details

10:00-11:30 Focus Session 131+132

Neuroendocrine lung tumours: where do we stand?

Moderators: G. Cardillo, Rome; E. Roessner, Mannheim

Objectives:
An update in the latest developments in neuroendocrine lung tumours: classification, investigations, and optimal treatment.

10:00
Pathology overview
S. Trotter, Birmingham

10:15
Investigations including positron emission tomography scan: which tracer?
S. Annunziata, Rome

10:30
Typical and atypical carcinoids: which surgical approach?
G. Marulli, Padua

10:45
Large cell neuroendocrine tumors
P. Solli, Forli

11:00
Small cell lung tumors: a non-surgical disease?
D. Farrugia, Cheltenham

10:00-11:45 Focus Session 118+119

Training in cardio-thoracic surgery

See page 32 for details

11:45-13:15 Plenary Session 116+117

The whole is greater than the sum of its parts: a strong team for a better outcome

See page 32 for details

13:30-15:00 Focus Session 131+132

Oncology tumour board

Moderators: G.A. Patterson, St Louis, P. Rajesh, Birmingham

Panellists: D. Farrugia, Cheltenham, F. Gleeson, Cambridge, R. Marrades, Barcelona, R. Rami-Porta, Barcelona, S. Senan, Amsterdam

Objectives:
Tumour boards are now considered the gold standard for clinical decisison making in lung cancer. This session will illustrate how the ideal tumor board interacts in controversial clinical scenarios.

13:30
Management of oligometastatic disease
P.B. Licht, Odense

13:45
Who gets induction therapy in non-small cell lung cancer?
M. Jimenez, Salamanca

14:00
Surgery for stage IIIaN2 disease
D. Mathisen, Boston

14:15
Surgery for localized mesothelioma
R. Hatz, Munich

14:30
Surgery for metastatic thymic carcinoma
J. Lutz, Berne R. Schmid, Berne

13:30-15:00 Jeopardy 212

Preliminary Rounds

Round 1: Netherlands; Turkey; United Kingdom
Round 2: Finland; India; United Kingdom

13:30-15:00 Training in Research Session 122+123

Statistics from scratch: Finding your way through the forest of options

See page 35 for details

15:15-16:45 Focus Session 131+132

Surgery for advanced infectious disease

Moderators: S. Rathinam, Leicester; S.V. Srikrishna, Bengaluru

Objectives:
Surgery for infectious disease is increasing rapidly in Europe. This session includes an update in the most advanced clinical scenarios: investigations and optimal management.

15:15
Video-assisted thoracic surgery for hydatid cysts
T. Lacin, Istanbul

15:30
Surgery for destroyed lung
P. Yablonskii, Saint-Petersburg

15:45
Is there a role for thoracostoma fenestrations and thoracoplasty?
R. Santosham, Chennai

16:00
Surgery for aspergiloma
D. Subotic, Belgrade

16:15
Accelerated treatment of post pneumonectomy empyema
W. Weder, Zurich

15:15-16:45 Focus Session 114

Balancing a surgical career with a family

See page 36 for details

15:15-16:45 Focus Session 112

Monitoring Quality in Your Unit: State of the Art

See page 37 for details

Oncology I

Moderators: G. Cardillo, Rome; F. Di Chiara, Oxford

08:15

Validation of the 8th edition of TNM staging system for lung cancer in 2043 surgical treated non-small cell lung cancer patients

C. Kezhong[1], H. Chen[1], X. Sui[1], F. Yang[1], J. Wang[1]; [1]Beijing

08:30

Exhaustive pre-operative staging increase survival in resected ardenal oligometastatic non-small cell lung cancer: multicentric study

J. De Wolf[1], J. Bellier[1], F. Lepimpec-Barthes[2], F. Tronc[3], C. Peillon[4], A. Bernard[5], A. Chapelier[6], H. Porte[1] ; [1]Lille, [2]Paris, [3]Lyon, [4]Bois-Guillaume, [5]Dijon, [6]Suresnes

08:45

External validation of a prognostic model of survival for resected typical bronchial carcinoid tumors

M. Cattoni[1], L. Brown[2], F. Farjah[1], A. Imperatori[3], A. Siciliani[4], K. Costas[5], M. Hubka[1], B. Louie[1] ; [1]Seattle, [2]Davis, [3]Varese, [4]Roma, [5]Everett

09:00

Gender differences in the recurrence timing of patients undergoing resection for non-small cell lung cancer

K. Watanabe[1], K. Sakamaki[1], T. Nishii[1], T. Yamamoto[1], T. Woo[1], T. Maehara[1], H. Nakayama[1], M. Masuda[1]; [1]Yokohama

09:15

Modifiable factors may be key to improving ninety-day mortality following lung cancer resection

N. Oswald[1], J. Halle-Smith[1], M. Kalkat[1], R. Steyn[1], P. Rajesh[1], E. Bishay[1], B. Naidu[1]; [1]Birmingham

09:30

Surgery for T4 lung cancer invading the thoracic aorta: do we push the limits?

G. Marulli[1], E.A. Rendina[2], W. Klepetko[3], F. Zaraca[4], G. Maurizi[5], T. Klikovits[3], R. Perkmann[4], F. Rea[1]; [1]Padua, [2]Rome, [3]Vienna, [4]Bolzano, [5]Roma

08:15-09:45 Focus Session 129+130

Update on thymic surgery

Moderators: E. Bishay, Birmingham; F. Melfi, Pisa; P. Van Schil, Antwerp

Objectives:
With increased use of minimally invasive techniques the preferred surgical approach in surgery for myasthenia gravis is changing. This focus session provides an update in the neurologist perspective as well as a pro and con debate on open versus VATS or robotic techniques.

08:15

Surgery for myasthenia gravis: Neurologist perspective pre and postoperatively
H. Andersen, Aarhus

08:30

Surgery for myasthenia gravis: Which surgical technique is state of the art? Pro robotics
J. Rückert, Berlin

08:45

Surgery for myasthenia gravis: Which surgical technique is state of the art? Pro video-assisted thoracic surgery
P. Rajesh, Birmingham

09:00

Surgery for myasthenia gravis: Which surgical technique is state of the art? Pro open
M. Lucchi, Pisa

08:15-09:45 Training in Research Session 118+119

How to perform more advanced statistics: basics and pitfalls

See page 44 for details

08:15-09:45 Focus Session 122+123

Work in progress

See page 44 for details

Basic science and lung transplantation

Moderators: H.J. Ankersmit, Vienna; D. Eaton, Dublin; E. Roessner, Mannheim

Objectives:
Abstract session with audience discussion.

10:15

LINE-1 hypomethylation as potential biomarker of poor prognosis for resected stage I lung cancer
A. Imperatori[1], N. Rotolo[1], N. Sahnane[1], F. Franzi[1], E. Nardecchia[1], F. Sessa[1], L. Dominioni[1], D. Furlan[1]; [1]Varese

10:30

Cardiac remodeling in patients after bilateral lung transplantation for idiopathic pulmonary arterial hypertension
J. Salman[1], F. Ius[1], W. Sommer[1], C. Kuehn[1], M. Avsar[1], A. Haverich[1], I. Tudorache[1], G. Warnecke[1]; [1]Hannover

10:45

Various methods of extracorporeal support prior to lung transplantation. Is it a bridge to far?
B. Zych[1], D. Garcia-Saez[1], A. Popov[1], F. De Robertis[1], A. Reed[1], S. Soresi[1], M. Carby[1], A. Simon[1]; [1]Harefield

11:00

Anti-tumor effect of C-terminus of Hsp70 interacting protein (CHIP) by degradation of c-MET in small cell lung cancer
J.I. Kim[1], S.H. Cho[1], S.D. Park[1]; [1]Busan

11:15

ENOS uncoupling in lung ischemia-reperfusion injury
J. Gielis[1], D. Cappoen[1], L. Quirynen[1], J. Briedé[2], P. Cos[1], P. Van Schil[3]; [1]Antwerpen, [2]Maastricht, [3]Antwerp

11:30

Serum tumour markers (CEA, NSE, Cyfra 21-1) as prognostic factors for patients on the wait list for lung transplantation
H. Seokjin[1], H.C. Paik[2], J.G. Lee[2]; [1]Suwon-si, [2]Seoul

10:15-11:45 Focus Session 129+130

The future of early stage non-small cell lung cancer

Moderators: M. Ibrahim, Rome; G. Kocher, Berne; P.B. Licht, Odense

Objectives:
Up to date on the latest surgical and non-surgical treatment modalities for early stage lung cancer, which is rapidly changing.

10:15

Stereotactic body radiation therapy versus surgery - Pro Surgery
M. Dusmet, London

10:37

Stereotactic body radiation therapy versus surgery - Pro Stereotactic body radiation therapy
S. Senan, Amsterdam

10:59

Lobar vs sublobar resection - Pro Sublobar
D. Wood, Seattle

11:21

Lobar vs sublobar resection - Pro lobectomy
R. Milton, Leeds

10:15-11:45 Focus Session 115

Nightmares in cardio-thoracic surgery

See page 50 for details

10:15-11:45 Focus Session 120+121

How can we work together? Latin America, Africa and Asia Perspective

See page 51 for details

11:50-12:30 Plenary Session 116+117

The Presidential Address

Neulich nachts in Houston
F. Mohr, Leipzig

14:15-15:45 Abstract Session 131+132

Oesophagus

Moderators: S. Andersson, Helsinki; T. Lerut, Leuven; G.A. Patterson, St Louis

Objectives:
Abstract session with audience discussion.

14:15
Intrathoracic anastomotic leakage after Ivor-Lewis oesophagectomy for oesophageal cancer: a single institution review of over seven years
L. Miao[1], J. Xiang[1], H. Chen[1]; [1]Shanghai

14:30
Perioperative risk factors of anastomotic leak after Ivor Lewis operation for oesophageal squamous cell carcinoma
E. Yi[1], J.H. Chung[1], S. Lee[1], S. Yangki[2], J. Sanghoon[3]; [1]Seoul, [2]Daegu, [3]Seongnam-si

14:45
Weekday effect: Is it a factor affecting surgical outcomes after oesophagectomy?
B. Li[1]; [1]Shanghai

15:00
Robot-assisted totally minimally invasive oesophageal resection and reconstruction in oesophageal cancer after overcoming learning period
J.S. Bok[1]; [1]Seoul

15:15
Stomach pullup for burnt out oesophagus, an experience of forty-four cases
A. Bilal[1]; [1]Peshawar

15:30
Primary Repair of oesophageal Perforation, An experience of fifty-four cases
A. Bilal[1]; [1]Peshawar

14:15-15:45 Abstract Session 129+130

VATS lobectomy

Moderators: P.B. Licht, Odense; J. Räsänen, Helsinki; P. Tcherveniakov, Leeds

Objectives:
Abstract session with audience discussion.

14:15
Impact of trainee-led thoracoscopic lobectomies on patient outcomes
P. Ariyaratnam[1], R. Milton[1], N. Chaudhuri[1], E. Kefaloyannis[1], P. Tcherveniakov[2]; [1]Leeds, [2]Sofia

14:30
Micro lobectomy, a novel form of VATS lobectomy
J. Dunning[1], M. Elsaegh[1]; [1]Middlesbrough

14:45
Thoracoscopic anatomic lung segmentectomy using three-dimensional computed tomography simulation without tumour markings for non-palpable and non-visualized small-sized lung nodules
H. Kato[1], H. Oizumi[1], J. Suzuki[1], A. Hamada[1], H. Watarai[1], M. Sadahiro[1]; [1]Yamagata

15:00
Comparison of postoperative pulmonary complications and rehabilitation requirements following lobectomy via video-assisted thoracoscopic Vs open thoracotomy; a propensity score matched study
P. Agostini[1], K. Adams[1], P. Rajesh[1], R. Steyn[1], M. Kalkat[2], B. Naidu[1], E. Bishay[1]; [1]Birmingham, [2]Birmingham

15:15
Clinical outcomes of thoracoscopic lobectomy in patients with moderate and severe comorbidity
R. Zhang[1], T. Kyriss[1], G. Friedel[1]; [1]Gerlingen

15:30
Midterm outcomes of single incisional thoracoscopic surgery in major pulmonary resection
K.N. Han[1], H.K. Kim[1], Y.H. Choi[1]; [1]Seoul

16:00-17:30 Focus Session 129+130

Diaphragmatic disease

Moderators: L. Carbone, Rome; M. Jimenez, Salamanca; T. Lacin, Istanbul

Objectives:
Diaphragmatic diseases are rare. This focus session introduced the audience to the latest developments.

16:00
Plication – surgical techniques
J. Dunning, Middlesbrough

16:15
Pacing for spinal cord disorders/amyotrophic lateral sclerosis
T. Lacin, Istanbul

16:30
Catamenial pneumothorax
K. Tsakiridis, Thessaloniki

16:45
Diaphragmatic hernias
J. Räsänen, Helsinki

17:00
New technique of VATS diaphragm plication, the Demmy stitch
N. Ismail[1], M. Elsaegh[1], J. Dunning[1]; [1]Middlesbrough

Thoracic

Moderators: K. Nowak, Mannheim; G.A. Patterson, St Louis; P. Rajesh, Birmingham

Objectives:
Abstract session with audience discussion.

16:00
The clinical utility of objective chest tube management after pulmonary resection based on the digital monitoring of air flow and intra-pleural pressure
K. Takamochi[1], S. Oh[1], T. Matsunaga[1], K. Suzuki[1]; [1]Tokyo

16:08
Comparison of outcome and cost in open and thoracoscopic pneumonectomy: a thirteen-year multicenter study
A. Jan[1], M.B. Baloch[1], S. Shah[1], S. Rehman[1], N. Ahmed[2], G. Faggian[2]; [1]Peshawar, [2]Verona

16:16
Recurrences following staple line coverage after bullectomy for idiopathic spontaneous pneumothorax: the role of oxidized regenerated cellulose sheet
R. Miyata[1], M. Omasa[1], R. Fujimoto[1], H. Ishikawa[1], M. Aoki[1]; [1]Kobe

16:24
The impact of three-dimensional thoracoscopy in major pulmonary resection: Propensity-matched analysis
K.N. Han[1], H.K. Kim[1], Y.H. Choi[1]; [1]Seoul

16:32
Pectus excavatum repair in adolescents and adults: risk comparison with other age groups
S. Choi[1], H.J. Park[2]; [1]Seongnam-si, Gyeonggi-do, [2]Seoul

16:40
Metal free mini Ravitch patient choice based surgery for pectus excavatum: a report of thirty cases
H. Elsayed[1], S. Soliman[1], A. Mostafa[1], H.Y. El-Bawab[1], A.A. El-Nori[1], A. Elkerdany[1]; [1]Cairo

16:48
Clinical features, diagnosis and thoracoscopic surgical treatment of thymic cyst
C. Kezhong[1], X. Wang[1], Y. Li[1], G. Jiang[1], J. Wang[1]; [1]Beijing

16:56
Thoracic war injuries. An experience of 10,836 patients over the period of fourteen years
A. Bilal[1]; [1]Peshawar

17:04
Are inflammatory parameters a prognostic factor in patients with Stage I non-small cell lung cancer
K. De Schaetzen[1], J. Govaerts[1], L. Haest[1], P. Van Schil[1], J. Gielis[1], J. Hendriks[1], P. Lauwers[1]; [1]Antwerp

17:12
Synchronous lung adenocarcinomas presented as multiple ground-glass nodules define a unique clinic pathologic subtype of non-small-cell lung cancer
Y. Zhang, H. Chen[1]; [1]Shanghai

Mesothelioma

Moderators: F. Facciolo, Rome; I. Ilonen, Helsinki; A. Nakas, Leicester

Objectives:
Abstract session with audience discussion.

08:15
Pleurectomy-decortication in malignant pleural mesothelioma: is the effort justified? Results from a multicenter study
G. Marulli[1], C. Breda[2], G.B. Ratto[3], M. Alloisio[4], L. Pariscenti[5], L. Luzzi[6], A. Oliaro[7], L. Spaggiari[8]; [1]Padua, [2]Mestre, [3]Genova, [4]Rozzano, [5]Brescia, [6]Siena, [7]Turin, [8]Milan

08:30
Is less also better? A single-institution experience on surgical treatment of early stage malignant pleural mesothelioma
P. Bertoglio[1], V. Aprile[1], S. Korasidis[1], A. Vizziello[1], P. Dini[1], M. Lucchi[1], M.C. Ambrogi[1], A. Mussi[1]; [1]Pisa

08:45
Extended pleurectomy decortication for malignant pleural mesothelioma in the elderly - the need for an inclusive yet selective approach
A. Sharkey[1], R. Bilancia[1], A. Nakas[1], S. Tenconi[1], D. Waller[1]; [1]Leicester

09:00
Management of loco-regional recurrence of malignant pleural mesothelioma after multimodality therapy
A. Zuin[1], D. Zampieri[1], P. Romanello[1], E. Faccioli[1], G. Marulli[1], M. Schiavon[1], F. Stocca[1], F. Rea[1]; [1]Padua

09:15
The prognostic significance of glucose transporter-1 protein in malignant pleural mesothelioma
L. Alpay[1], T. Dogruyol[1], D. Gurer[1], A. Ersev[1], H. Kiral[1], C. Atinkaya[1], V. Baysungur[1], I. Yalcinkaya[1]; [1]Istanbul

09:30
It's never too late to operate – An analysis of salvage surgery for progressing malignant pleural mesothelioma
A. Sharkey[1], R. Bilancia[1], A. Nakas[1], S. Tenconi[1], D. Waller[1]; [1]Leicester

08:15-09:45 Focus Session 129+130

Experimental models for basic research in thoracic surgery

Moderators: H.J. Ankersmit, Vienna; B. Naidu, Birmingham; E. Roessner, Mannheim

Objectives:
Basic science is a cornerstone in general thoracic research. This focus session introduces the audience for experimental models that may be used for future studies.

08:15
Possibilities and limitations of the isolated ventilated human lung model
K. Nowak, Mannheim

08:30
Rodent model for bronchial anastomotic healing
E. Roessner, Mannheim

08:45
Animal tumour models
H.J. Ankersmit, Vienna

09:00
Porcine model for chest wall surgery
P. Zardo, Magdeburg

09:15
Animal models for malignant pleural mesothelioma
tba

09:30
3-D printing in experimental thoracic research
M. Yuksel, Istanbul

08:15-09:45 Training in Research Session 120+121

Starting a trial: what you must know

See page 69 for details

10:15-11:43 Focus Session 131+132

Interdisciplinary maximally invasive thoracic surgery

Moderators: A. Combalia, Barcelona; J. Fontdevila, Barcelona; R. Schmid, Berne

Objectives:
Surgery for advanced T-stage NSCLC is increasing and multidisciplinary approaches may be needed for complete resections and reconstructions. This focus session brings you up to date.

10:15
Surgery for tumours with invasion of the vertebral body
E. Fadel, Le Plessis-Robinson

10:30
Surgery for tumours with invasion of the apex
L. Spaggiari, Milan

10:45
Surgery for tumours with invasion of the aorta
M. Czerny, Freiburg

11:00
Surgery for tumours with invasion of the chest wall
M. Kalkat, Birmingham

11:15
When is extrahepatic cholangiocarcinoma necessary for surgical resections
G. Friedel, Gerlingen

10:15-11:45 Abstract Session 129+130

Non-oncology

Moderators: E. Belcher, Oxford; R. Milton, Leeds

Objectives:
Abstract session with audience discussion.

10:15
The feasibility of anatomical segmentectomy for the treatment of congenital lung malformations in prenatal diagnosed group
D. Kim; Yangsan

10:30
Thoracic surgery – An essential adjunct to extracorporeal membrane oxygenation service
E. Heward[1], S. Hashmi[1], P. Fawcett[1], I. Malagon[1], E. Fontaine[1], R. Shah[2], J. Barker[1], K.S. Rammohan[1]; [1]Manchester, [2]London

10:45
Surgical treatment of bilateral pulmonary echinococcosis
B. Shirtaev[1], M. Sundetov[1], T. Eshmuratov[1], R. Kassenbayev[1], D. Voronin[1]; [1]Almaty

11:00
Twenty cricotracheal resections for benign post-intubational laryngotracheal stenosis: three year single centre experience
A. Mostafa[1], A.A. El-Nori[1], A. Elkerdany[1], H.Y. El-Bawab[1], H. Elsayed[1]; [1]Cairo

11:15
Surgical intervention in treatment failure multidrug resistant tuberculosis
A. Bilal[1]; [1]Peshawar

11:30
Role of pulmonary endarterectomy in chronic thromboembolic disease
B. Yıldızeli[1], Ş. Olgun Yıldızeli[1], S. Taş[1], M. Yanartaş[1], A. Erkılınç[1], B. Mutlu[1], C. Kaymaz[1], H. Sunar[1]; [1]Istanbul

10:15-11:45 Focus Session 122+123

Simulation based training

See page 75 for details

11:50-12:30 **Plenary Session** 116+117

The Honoured Guest Lecture

Speed and Perfection

R. Battellini, Buenos Aires

11:50-12:30 **Resident's luncheon** Banquet Hall

The force awakens: training of the new Jedi

See page 75 for details

14:15-15:45 Abstract Session 131+132

Chest wall and mediastinum

Moderators: M. Kalkat, Birmingham; M. Yuksel, Istanbul

Objectives:

Abstract session with audience discussion.

14:15

Changes in scoliosis after pectus excavatum repair

J.H. Chung[1], H.J. Park[1], K.T. Kim[1]; [1]Seoul

14:30

Chest wall stabilization in ventilator-dependent traumatic flail chest patients: Who benefits?

G. Kocher[1], S. Sharafi[1], R. Schmid[2]; [1]Berne

14:45

Short and long-term results of sternectomy for sternal tumors

S. Bongiolatti[1], A. Gonfiotti[1], D. Viggiano[1], S. Borgianni[1], G. Tancredi[1], G. Menichini[1], M. Innocenti[1], L. Voltolini[1]; [1]Firenze

15:00

The validity of intentional limited resection for thymic epithelial tumors: The extent of lymph node dissection and thymectomy

I. Matsumoto[1], M. Tamura[1], S. Kakegawa[1], S. Yoshida[1], D. Saito[1], Y. Tanaka[1], H. Takemura[1]; [1]Kanazawa

15:15

Long term outcomes of surgical resection in thymoma patients with pleural dissemination

J.S. Bok[1]; [1]Seoul

15:30

Robot-assisted thymectomy in Miastenia Gravis: surgical and neurological outcomes

I. Cavaliere[1], V. Aprile[1], C. Zirafa[2], P. Bertoglio[2], M. Lucchi[2], F. Melfi[2], A. Mussi[1] ; [1]Pisa

Thoracic

Moderators: S. Blackmon, Rochester; R. Milton, Leeds

Objectives:
Abstract session with audience discussion.

14:15
Long segment pulmonary artery resection to avoid pneumonectomy: long-term results after prosthetic replacement
A. D'Andrilli[1], G. Maurizi[1], A.M. Ciccone[1], C. Andreetti[1], M. Ibrahim[1], C. Menna[1], C. Vanni[1], E.A. Rendina[1]; [1]Rome,

14:23
Simplified determination in the serum of microRNAs candidate biomarkers of early lung cancer
L. Dominioni[1], E. Gini[1], P. D'antona[1], N. Rotolo[1], A. Poli[2], M. Nicolis[2], D.M. Noonan[1], P. Campomenosi[1]; [1]Varese, [2]Verona

14:31
Risk factors for postoperative pulmonary complications in lung cancer patients following video- assisted thoracoscopic lobectomy
P. Agostini[1], K. Adams[1], D. Aktuerk[1], P. Rajesh[1], R. Steyn[1], M. Kalkat[1], B. Naidu[1], E. Bishay[1]; [1]Birmingham,

14:39
Near-Infrared imaging to identify phrenic nerve in robotic thymectomy
V. Aprile[1], C. Zirafa[1], A. Vizziello[1], I. Cavaliere[1], G. Romano[3], F. Davini[1], A. Mussi[2], F. Melfi[2]; [1]Pisa,

14:47
Clinical benefit of comprehensive preoperative pulmonary rehabilitation including intensive nutritional support through an interdisciplinary team approach
H. Harada[1], Y. Yamashita[1], T. Mimura[1]; [1]Kure

14:55
In complete inter lobar fissure: prognosis and protective factors in patients underwent pulmonary lobectomy for non-small-cell lung cancer
C. Menna[1], M. Ibrahim[1], C. Andreetti[1], F. Cassiano[1], A.M. Ciccone[1], A. D'Andrilli[1], E.A. Rendina[1]; [1]Rome

15:03
Surgery for complete/near complete response after induction treatment in patients with NSCLC: An exceptionally favourable long term survival
H. Melek[1], H.V. Kara[2], Ö. Berker[2], M.M. Erol[2], A.S. Bayram[2], A. Turna[2], A. Toker[2], C. Gebitekin[2]; [1]Bursa, [2]Istanbul

15:11
VATS Lobectomy demonstrated significant reduction in the incidence of post operative atrial fibrillation compare to open lobectomy for lung cancer
M. Khalil[1], S.S.A. Qadri[1], A. Hussain[1], M. Chaudhry[1], A. Cale[1], M. Cowen[1], M. Loubani[1]; [1]Cottingham

15:19
Long-term oncological effects of positive malignant cells in pleural lavage cytology for respectable lung cancer
B.K. Chong[1], S.H. Choi[2], H.R. Kim[2], D.K. Kim[2], S.I. Park[2], D.G. Yoo[3], S.W. Ryu[4], Y.H. Kim[2]; [1]Seoul, [2]Seoul, [3]Gangneung-si, [4]Suncheon-si

14:15-15:45 Focus Session 116+117

People skills for surgeons

See page 76 for details

14:15-15:45 Training in Research Session 118+119

Interpreting randomised trial data

See page 80 for details

14:15-15:45 Focus Session 122+123

Pro and Cons debates

See page 80 for details

16:00-17:30 Abstract Session 129+130

Oncology 2

Moderators: T. Lacin, Istanbul; R. Rami-Porta, Barcelona

Objectives:
Abstract session with audience discussion.

16:00
Prognostic implication of histologic subtypes in resected stage IIIA lung adenocarcinoma
Y. Ting[1], J. Shujun[1], X. Jiaqing[1], Z. Yawei[1], C. Haiquan[1]; [1]Shanghai

16:15
Lobectomy or not lobectomy? A single-institution comparison between left upper lobe, trisegmentectomy and lingulectomy
V. Aprile[1], P. Bertoglio[1], C. Brignone[1], S. Ricciardi[1], P. Dini[1], M.C. Ambrogi[1], M. Lucchi[1], A. Mussi[1]; [1]Pisa

16:30
Safety and effectiveness of limphadenectomy during video-assisted thoracic surgery lobectomy: analysis from national database
A. Gonfiotti[1], M. Nosotti2, R. Borrelli[1], D. Viggiano[1], S. Bongiolatti[1], A. Droghetti[3], L. Voltolini[1], R. Crisci4; [1]Firenze, [2]Milan, [3]Mantova, [4]L'Aquila

16:45
Nodal upstaging evaluation in patients treated by robotic lobectomy
C. Brignone[1], C. Zirafa[1], S. Ricciardi[1], P. Bertoglio[2], A. Vizziello[1], M. Lucchi[1], F. Melfi[1], A. Mussi[1] ; [1]Pisa,

17:00
Optimal evaluation of the solid component in pulmonary tumor with clinical stage IA on thin section computed tomography
S. Hirayama[1], K. Suzuki[1], T. Matsunaga[1], K. Takamochi[1], S. Oh[1]; [1]Tokyo

17:15
Assessing the one-dimensional mean computed tomography value on high-resolution images to predict the tumor invasiveness in patients with clinical stage IA lung adenocarcinoma
M. Tamura[1], I. Matsumoto[1], D. Saito[1], S. Yoshida[1], S. Kakegawa[1], H. Takemura[1]; [1]Kanazawa

16:00-17:30 Focus Session 131+132

Future surgical approach for routine anatomical lung resections

Moderators: G.A. Patterson, St Louis; D. Mathisen, Boston

Objectives:
Minimally invasive techniques are replacing thoracotomy for routine anatomical lung resections in many centres but remains controversial. Get the latest update.

16:00
Pro Thoracotomy
E. A. Rendina, Rome

16:15
Pro multiport VATS
T. Schmid, Innsbruck

16:30
Pro uniport VATS
F. Di Chiara, Oxford

16:45
Pro RVATS
S. Stamenkovic, Newcastle upon Tyne

17:00
Pro 3D VATS
J. Räsänen, Helsinki

16:00-17:30 Focus Session 211

EACTS publications: Best papers

See page 86 for details

09:00–10:30 Focus Session G109

Video & Case Study 1

Moderators: P. Rajesh, Birmingham; T. Lacin, Istanbul; R. Milton, Leeds

Objectives:
Video session with audience discussion.

09:00
Video-assisted thoracoscopic resection of the posterior segment of the right upper lobe using a uniportal posterior approach
D. Stamenovic1, A. Messerschmidt1; 1Karlsruhe

09:15
VATS continuous lymphnode dissection from right middle lobe to superior and inferior mediastinum
Y. Sato[1], K. Nakaoka[1], Y. Saeki[1], S. Kitazawa[1], N. Kobayashi[1], S. Kikuchi[1], Y. Goto[1], H. Ichimura[1]; [1]Tsukuba

09:30
Video Assisted left upper lobectomy for cancer after coronary artery bypass grafting surgery
A. Viti[1], L. Bertolaccini[1], A. Terzi[1]; [1]Negrar

09:45
Hybrid Bilobectomy
P. Perikleous[1], R. Bilancia[1], I. Oey[1], S. Tenconi[1], A. Darbar[1], D. Waller[1]; [1]Leicester

10:00
Three dimensional printing model for tracheal resection
K. Matsumoto[1], N. Yamasaki[1], T. Tsuchiya[1], T. Miyazaki[1], R. Kamohara[1], G. Hatachi[1], T. Nagayasu[1]; [1]Nagasaki

10:15
Angiomatosis of soft-tissues: an unusual supraclavicular tumor
J. Guihaire[1], A. Martin[2], B. De Latour[2] ; [1]Le Plessis-Robinson, [2]Rennes

09:00-10:30 Wetlab 131+132

Thoracic

Moderators:

Objectives:
Learn advanced surgical techniques for resection of T4 tumors with vascular or spinal involvement.

09:00
T4 tumors: Vascular and spinal reconstructions
M. Czerny, Freiburg

This wetlab will be restricted to 50 participants.

Registration will be via the On-Site registration desks. A fee of €20 will be charged.

11:00-12:30 Abstract Session 129+130

Video & Case Study 2

Moderators: P.B. Licht, Odense; E. Roessner, Mannheim; R. Schmid, Berne

Objectives:
Video session with audience discussion.

11:00
Video-assisted thoracoscopic fissureless resection of the apical segment of the right lower lobe using a uniportal posterior approach
D. Stamenovic[1], A. Messerschmidt[1]; [1]Karlsruhe

11:15
Intercostal muscle flap to reinforce the bronchial stump after thoracoscopic right pneumonectomy
L. Rosso[1], D. Tosi[1], P. Mendogni[1], A. Palleschi[1], A. Mariolo[1], M. Nosotti[1]; [1]Milan

11:30
Transcervical Minimal Invasive Right pulmonary artery ligation: New technique, indications and outcome
V. Popescu[1], C. Bolca[1], I. Cordos[1], V. Pavaloiu[1], A. Mihai[1], C. Paleru[1] ; [1]Bucureşti

11:45
Repair of large defects of the trachea: our new technique
N. Asadi[1], R. Madhavan[1], M. Elliott[1], R. Hewitt[1], C. Mclaren[1], D. Roebuck[1], N. Muthialu[1]; [1]London

12:00
Surgical repair of a traumatic tracheobronchial injury in a pediatric patient under venoarterial ECMO support
J.W. Suh[1], J.G. Lee[1], H.J. Shin[2], C.Y. Lee[1], S.H. Song[1], K.S. Narm[1]; [1]Seoul, [2]Cheongju-si

12:15
Tracheo-innominate artery fistula. Successful intervention of a fatal complication of tracheostomy
F. Caushi[1], A. Xhumari[1], M. Petrela[1], P. Gjergo[1]; [1]Tirana

11:00-12:30 Wetlab 131+132

Thoracic

Moderators: M. Czerny, Freiburg, E. Fadel, Le Plessis-Robinson

Objectives:
Learn advanced surgical techniques for resection of T4 tumors with vascular or spinal involvement.

11:00
T4 tumors: Vascular and spinal reconstructions
M. Czerny, Freiburg

Raising Standards through Education and Training

Congenital Heart Disease Domain Programme

EACTS
European Association For Cardio-Thoracic Surgery

Congenital Courses

2016

All courses to take place at EACTS House in Windsor, UK, unless stated otherwise

Fundamentals in Cardiac Surgery: Part III	24-28 October
11th European Mechanical Circulatory Support Summit (EUMS)	3-5 November, Berlin, Germany
Mitral Valve Surgery	7-9 November, Leiden, The Netherlands
Congenital Heart Disease	15-18 November
Modern Perspectives on Atrial Fibrillation Surgery	24-25 November
Hospital Leadership: Head, heart and values	28-29 November
Endoscopic Port-Access Mitral Valve Repair Drylab Training	15-16 December, Maastricht,The Netherlands

2017

Fundamentals in Cardiac Surgery: Part I	6-10 February
Endoscopic Port-Access Mitral Valve Repair Drylab Training	23-24 February, Maastricht, The Netherlands
Endoscopic Port-Access Mitral Valve Repair Drylab Training	27-28 April, Maastricht, The Netherlands
Fundamentals in Cardiac Surgery: Part II	5-9 June
Ventricular Assist Device Co-ordinators Training Course	15-17 June, Berlin, Germany
Basic Science	30 June-1 July
Endoscopic Port-Access Mitral Valve Repair Drylab Training	7-8 September, Maastricht, The Netherlands
Fundamentals in Cardiac Surgery: Part III	23-27 October
Mitral Valve Surgery	November
Congenital Heart Disease	November
12th European Mechanical Circulatory Support Summit (EUMS)	29 November-2 December, Bad Oeynhausen, Germany
Endoscopic Port-Access Mitral Valve Repair Drylab Training	14-15 December, Maastricht, The Netherlands

Chair:

Emre Belli, Paris, France
Konrad Brockmeier, Cologne, Germany
Ben Davies, London, UK
Lorenzo Galletti, Bergamo, Italy
Mark Hazekamp, Leiden, The Netherlands
Morten Helvind, Copenhagen, Denmark
Jürgen Hörer, Le Plessis-Robinson, France
Christian Pizarro, Wilmington, USA

14:00-17:00 Wetlab

114

Valve sparing aortic root replacement

Moderators: E. Belli, Paris; R. De Paulis, Rome; M. Hazekamp, Leiden

Objectives:

The valve sparing aortic root replacement techniques in both native and post-repair aortic wall abnormalities and valve regurgitation.

08:15-09:45 Focus Session 111

Failing Fontan

Moderators: Y. D'udekem, Parkville; N. Blom, Amsterdam

Objectives:
Understand the pathophysiology and clinical consequences of Failing Fontan. Address the more recent principles of treatment for this condition.

08:15
Definition and pathophysiology
N. Blom, Amsterdam

08:30
Technical aspects of Fontan conversion and arrhythmia surgery
T. Ebels, Groningen

08:45
Results of circulatory support and transplantation
Y. D'udekem, Parkville

09:00
How to optimise mechanical support for single ventricle?
A. Di Molfetta, Rome

09:15
Late Fontan: Not only the heart fails
M. Ladouceur, Paris

09:30
Discussion

08:15-09:45 Training in Research Session 122+123

Preparing your scientific breakthrough: from abstract to paper

See page 29 for details

10:00-11:30 Focus Session 111

Meet the experts - nightmare/complicated cases

Moderator: E. Belli, Le Plessis-Robinson

Panellists: V. Hraska, Milwakee, O. Raisky, Paris, V. Tsang, London

Objectives:
Share the experience in treatment of particularly complicated cases.

10:00
Tributes to C. Planché and C. Schreiber
E. Belli, Le Plessis-Robinson, F. Lacour-Gayet, Muscat

10:15
Case 1
J. Hörer Le Plessis-Robinson

10:30
Case 2 (Adult congenital)
A. Giamberti, Milan

10:45
Case 3 (UVH)
D. Barron, Birmingham

11:00
Case 4
V. Hraska, Milwaukee

10:00-11:45 Focus Session 118+119

Training in cardio-thoracic surgery

See page 32 for details

11:45-13:15 Plenary Session 116+117

The whole is greater than the sum of its parts: a strong team for a better outcome

See page 32 for details

13:30-15:00 Abstract Session 111

Surgical videos

Moderators: R. Mair, Linz

Panellists: S. Cicek, Istanbul; E. Garcia Torres, Madrid; G. Sarris, Athens

Objectives:
Surgical videos, debate on surgical techniques.

13:30
Aortic valve reconstruction after failed balloon valvuloplasty
P. Myers[1], T. Sologashvili[1], M. Beghetti[1], R. Prêtre[2]; [1]Geneva, [2]Lausanne

13:45
Modified Nikaidoh in double switch
C. Pérez Negueruela[1], J. Mayol[2], G. Ventosa-Fernandez[1], J. Carretero[2], S. Cesar[2], S. Segura[2], F. Prada[2], J.M. Caffarena[1]; [1]Barcelona, [2]Esplugues de Llobregat

14:00
Atrioventricular groove patch plasty for pulmonary stenosis after arterial switch operation with right coronary artery crossing right ventricular outflow tract
H. Chou[1], S. Huang[1]; [1]Taipei

14:15
Video
C. Pizarro, Wilmington

14:30
Cono-truncal rotation
O. Raisky, Paris

13:30-15:00 Training in Research Session 122+123

Statistics from scratch: finding your way through the forest of options

See page 35 for details

13:30-15:00 Jeopardy 212

Preliminary Rounds

Round 1: Netherlands; Turkey; United Kingdom
Round 2: Finland; India; United Kingdom

15:15-16:45 Rapid Response 211

Congenital Miscellaneous

Moderators: M. Hazekamp, Leiden; V. Hraska, Milwaukee

Objectives:
Complex lesions, palliative surgery.

15:15
Double Outlet Right Ventricle Repair: A new story
G. Ferro[1], H. Haapanen[2], J. Marek[2], V. Tsang[2], T.Y. Hsia[2], M. Kostolny[2]; [1]Taormina, [2]London

15:23
Extra anatomic bypass in complex and recurrent aortic coarctation and hypoplastic arch
E.M. Delmo Walter[1], M. Javier[1], R. Hetzer[1]; [1]Berlin

15:31
Factors influencing pulmonary arteries growth between bidirectional cavopulmonary anastomosis and total cavopulmonary connection
L. Careddu[1], E. Angeli[1], F.D. Petridis[1], E. Mariucci[1], A. Balducci[1], L. Ragni[1], M.A. Fucà[1], G. Gargiulo[1]; [1]Bologna

15:39
Preliminary experience with bovine ADAPT treated pericardium for aortic and non-aortic reconstruction in children
B. Bierbach[1], A. Müller[2], C. Arenz[1], L. Dübener[3], M. Schneider[1], B. Asfour[3], V. Hraska[4]; [1]Sankt Augustin, [2]Bonn, [3]Sankt Augustin, Germany, [4]Milwaukee

15:47
Risk factors for neurological and renal complications after aortic arch surgery in infants
I. Kornilov[1], I. Soynov[1], Y. Sinelnikov[2], D. Ponomarev[1], Y. Kulyabin[1], N. Nichay[1], A. Gorbatykh[1], A. Omelchenko[1]; [1]Novosibirsk, [2]Perm

15:55
Vertical right axillary mini-thoracotomy for correction of ventricular septal defects and complete atrioventricular canal defects: a comparative study
P.P. Heinisch[1], M. Veit[1], B. Winkler[1], F. Schoenhoff[1], D. Hutter[1], J.P. Pfammatter[1], T. Carrel[1], A. Kadner[1]; [1]Berne

16:03
Staged weaning from Berlin Heart EXCOR– a pediatric case report
J. Sliwka[1], S. Pawlak[1], R. Przybylski[1], A. Grzybowski[1], J. Rycaj[1], A. Wierzyk[1]; [1]Zabrze

16:11
Aortic Root and Hemiarch replacement in a patient with Loeys-Dietz Syndrome and a Fontan circulation for hypoplastic left heart syndrome
E. Mohamed Ahmed[1], S. Hristo[2], S. Graham[2], S.C. Stoica[2]; [1]Plymouth, [2]Bristol

16:19
Aortic dissection type A complicating a Glenn procedure
S.E. Mendoza[1], M.C. Basto[1], V.R. Castillo[1]; [1]Floridablanca

16:27
A novel bioabsorbable vascular graft in modified Fontan procedure - mid-term results
L. Bockeria, Moscow

15:15-16:45 Focus Session 114

Balancing a surgical career with a family

See page 36 for details

15:15-16:45 Focus Session 112

Monitoring Quality in Your Unit: State of the Art

See page 37 for details

Univentricular heart - Fontan

Moderator: Y. D'udekem, Parkville

Panellists: A. Amodeo, Rome; T. Hoel, Oslo

Objectives:
Management of univentricular heart, associated lesions, complications.

08:15
Bidirectional cavopulmonary anastomosis and additional pulmonary blood flow: good or bad pre-Fontan strategy
N. Nichay[1], Y. Gorbatykh[1], A. Gorbatykh[1], I. Soynov[1], S. Ivantsov[1], A. Voitov[1], I. Kornilov[1], A. Bogachev-Prokophiev[1]; [1]Novosibirsk

08:30
The Fontan Circulation In Sheep: A Survival Model
J. Van Puyvelde[1], F. Rega[1], T. Minami[1], B. Cools[1], M. Gewillig[1], P. Claus[1], B. Meyns[1]; [1]Leuven

08:45
Impact of early Fontan completion on postoperative outcomes in patients with functional single ventricle
M. Ono[1], J. Cleuziou[1], J. Pabst Von Ohain[1], E. Beran[1], M. Burri[1], A. Hager[1], C. Schreiber[1], R. Lange[1]; [1]Munich

09:00
Long-term outcome of patients with right atrial isomerism performed common atrio-ventricular valve plasty
K. Imai[1], M. Murata[1], Y. Ide[1], H. Ito[1], K. Kanno[1], M. Ishidoh[1], R. Fukuba[1], K. Sakamoto[1]; [1]Shizuoka

09:15
Ventricular Assist Device Support in Patients with Single Ventricles
C. Poh[1], R. Chiletti[1], S. Horton[1], I. Konstantinov[1], D. Zannino[2], C. Brizard[2], J. Millar[1], Y. D'udekem[1]; [1]Parkville, [2]Melbourne

09:30
The unnatural history of failing univentricular hearts: outcomes up to twenty five years after heart transplantation
C. Marrone[1], P. Ferrero[1], A. Iacovoni[1], R. Sebastiani[1], C. Vittori[1], A. Terzi[1], L. Galletti[1]; [1]Bergamo

How to perform more advanced statistics: basics and pitfalls

See page 44 for details

Work in progress

See page 44 for details

10:15-11:45 Abstract Session 111

Hypoplastic left heart syndrome

Moderator: C. Pizarro, Wilmington;

Panellists: H. Akintürk, Giessen; F. Lacour-Gayet, Muscat; S. Sano, Okayama

Objectives:
Surgical management of hypoplastic left heart syndrome, Norwood procedure.

10:15
Hypoplastic left heart syndrome: a novel surgical strategy for dummies?
M. Pontailler[1], M. Lenoir[1], R. Gaudin[1], A. Haydar[1], D. Kraiche[1], D. Bonnet[1], P. Vouhe[1], O. Raisky[1]; [1]Paris

10:30
Long term results of hybrid stage I vs Norwood procedure for hypoplastic left heart syndrome — Analysis of Japan Congenital Heart Surgery Database
Y. Hirata[1], N. Hirahara[2], H. Miyata[2], A. Murakami[3], H. Kado[4], K. Sakamoto[5], S. Sano[6], S. Takamoto[7]; [1]Bunkyo, [2]Shinjuku, [3]Kanazawa, [4]Fukuoka, [5]Shizuoka, [6]Okayama, [7]Chiyoda

10:45
Unplanned surgery after the Norwood procedure: can we expect a true 3-stage palliation?
E. Sames-Dolzer[1], G. Gierlinger[1], M. Kreuzer[1], R. Gitter[1], C. Prandstetter[1], J. Schrempf[1], G. Tulzer[1], R. Mair[1]; [1]Linz

11:00
Congenital pulmonary lymphangiectasia as an early cause of mortality after stage I reconstruction procedures
J. Herrmann[1], M. Irons[1], C. Mascio[1], J. Rychik[1], T. Spray[1], J.W. Gaynor[1], J. Pogoriler[1]; [1]Philadelphia

11:15
25th year managing hypoplastic left heart syndrome
W.I. Norwood, Greenville

10:15-11:45 Focus Session 115

Nightmares in cardio-thoracic surgery

See page 50 for details

10:15-11:45 Focus Session 120+121

How can we work together? Latin America, Africa and Asia Perspective

See page 51 for details

11:50-12:30 Plenary Session 116+117
The Presidential Address

Neulich nachts in Houston
F. Mohr, Leipzig

14:15-15:45 Abstract Session 111

Congenital miscellaneous 1

Moderators: A. Bogers, Rotterdam

Panellists: M. Danton, Glasgow, A. Kadner, Berne; M. Padalino, Padua

Objectives:
Fundamental research and treatment of complex lesions.

14:15

Granulocyte colony stimulating factor (G-CSF) significantly decreases density of hippocampal Caspase-3 positive nuclei, thus ameliorating apoptosis-mediated damage, in a model of ischemic neonatal brain injury
P. Pastuszko[1], G. Schears[2], J. Kubin[3], A. Pastuszko[3], D. Wilson3; [1]Kansas City, [2]Rochester, [3]Philadelphia

14:30

Absorbable Polydioxanone pulmonary artery banding: a strategy for reducing re-operations
M. Daley[1], C. Brizard[1], I. Konstantinov[2], J. Brink[1], Y. D'udekem[2]; [1]Melbourne, [2]Parkville

14:45

C1 esterase inhibitor in pediatric cardiac surgery with cardiopulmonary bypass plays a vital role in activation of the complement system
T. Miyamoto[1], S. Ozaki[1], A. Inui[1], Y. Tanaka[1], S. Yoshitake[1], Y. Yamada[1], N. Matsumoto[1]; [1]Shibukawa

15:00

The hemi-Mustard, bidirectional Glenn and Rastelli procedure as anatomical repair for congenitally corrected transposition of the great arteries/left ventricular outflow tract obstruction with positional heart anomalies
K. Ma[1], S. Zhang[1], S. Li[1], Z. Hua[1], K. Yang[1], J. Yan[1], H. Zhang[1], L. Qi[1]; [1]Beijing

15:15

Eigteen years' experience with biventricular repair of atrioventricular septal defect with tetralogy of fallot or double-outlet right ventricle
Q. Chen[1], S. Li[1], Z. Hua[1], K. Yang[1], J. Yan[1], H. Zhang[1], K. Ma[1], S. Zhang[1]; [1]Beijing

15:30

No graft conduit for truncus arteriosus repair, no monocusp too?
R. Gaudin[1], M. Pontailler[1], M. Lenoir[1], P. Vouhe[1], O. Raisky[1]; [1]Paris

14:15-15:45 Training in Research Session 118+119

Meta-analysis from start to finish

See page 57 for details

14:15-15:45 Jeopardy 212

Final - Winner round 1 vs Winner round 2

See Sunday 13:30 for details

Congenital miscellaneous 2

Moderator: R. Prêtre, Lausanne

Panellists: O. Ghez, London; T. Mroczek, Krakow; M. Nosal, Bratislava

Objectives:
Fundamental research, surgical indications and techniques.

16:00

Risk factor for in-hospital mortality and shunt thrombosis in infants weighing less than 3 kg with univentricular heart and anticipated univentricular palliation undergoing a modified Blalock-Taussig shunt
V. Chittithavorn[1], P. Doungpakdee[2]; [1]Hat Yai, [2]Songkhla

16:15

Midterm outcomes in unbalanced atrio ventricular septal defect
M. Nathan[1], R. Ijsselhof[1], H. Liu[1], K. Gauvreau[1], S. Emani[1], P. Del Nido[1]; [1]Boston

16:30

Early and late outcomes after surgical repair of congenital supravalvar aortic stenosis. A European Congenital Heart Surgeons Association (ECHSA) multicentric study
M. Padalino[1], M. Comisso[1], A. Frigo[1], V. Vida[1], G. Sarris[2], J. Fragata[3], G. Stellin[1]; [1]Padua, [2]Athens, [3]Lisbon

16:45

Does exercise capacity depend on the size of the shunt? A study of adults with small, unrepaired ventricular septum defects
M. Maagaard[1], J. Heiberg[1], F. Eckerström[1], B. Asschenfeldt[1], V. Hjortdal[1]; [1]Aarhus

17:00

Single coronary artery and neonatal arterial switch operation: Early and long term outcomes
M. Pontailler[1], S. Gerelli[1], R. Gaudin[1], D. Tamisier[1], M. Bensemlali[1], D. Bonnet[1], P. Vouhe[1], O. Raisky[1]; [1]Paris

17:15

Is there a role for durable mechanical ventricular assist devices in children?
M. Nassar[1], C. Pergolizzi[1], T. Chila[1], F. De Rita[1], N. Wrightson[1], S. Schueler[1], A. Hasan[1], B. Murtuza[1]; [1]Newcastle upon Tyne

Meet the experts

See page 63 for details

08:15-09:45 Professional Challenge 111

Management of coarctation in newborn and infants

Moderators: B. Asfour, Sankt Augustin; O. Ghez, London

Objectives:
Understand key points for treatment of neonatal arch obstruction and establish the role of percutaneous treatment.

08:15
Keynote lecture
M. Helvind, Copenhagen

08:30
Surgical options
T. Karl, Saint Petersburg

08:45
Interventional options
O. Krogmann, Duisburg

09:00
Mid-term outcomes of repair of coarctation of aorta with hypoplastic arch in neonates: Extended end-to-side anastomosis technique
E.R. Kim[1], N. Jinhae[1], C. Kwangho[2], W.S. Jang[3], K. Woong-Han[1]; [1]Seoul, [2]Busan, South Korea, [3]Daegu

09:15
The modified Amato procedure revisited: mid-term results in neonates with aortic coarctation and distal transverse arch hypoplasia
E. Cetrano[1], M. Trezzi[1], S.B. Albanese[1], A. Polito[1], A. Carotti[1]; [1]Roma

09:30
Modified reverse aortoplasty vs extended anastomosis in surgery for coarctation of aorta: long term results of prospective randomized study
I. Soynov[1], Y. Sinelnikov[2], Y. Gorbatykh[1], A. Omelchenko[1], A. Voitov[1], Y. Kulyabin[1], A. Bogachev-Prokopiev[1], A. Karaskov[1]; [1]Novosibirsk, [2]Perm

08:15-09:45 Training in Research Session 120+121

Starting a trial: what you must know

See page 69 for details

10:15-11:45 Professional Challenge 111

Management of aortic arch obstruction beyond infancy

Moderator: L. Galletti, Bergamo

Panellists: G. Butera, Milan; A. Bogers, Rotterdam; J.L. Zunzunegui Martinez, Madrid

Objectives:
Understand key points for treatment of arch obstruction beyond neonatal age. Establish the role of percutaneous treatment in adolescents and adults.

10:15
Surgical options
D. Cameron, Baltimore

10:30
Interventional options
G. Butera, Milan

10:45
Case 1 (infant)
L. Galletti, Bergamo O. Krogmann, Duisburg; J. M. Caffarena, Barcelona

11:05
Case 2 (child)
L. Galletti, Bergamo J. L. Zunzunegui Martinez, Madrid J. Hoerer, Le Plessis-Robinson

11:25
Case 3 (adult)
L. Galletti, Bergamo G. Butera, Milan A. Bogers, Rotterdam

10:15-11:45 Focus Session 122+123

Simulation based training

See page 75 for details

11:50-12:30 Plenary Session 116+117

The Honoured Guest Lecture

Speed and Perfection
R. Battellini, Buenos Aires

12:30-14:00 Resident's luncheon Banquet Hall

The force awakens: training of the new Jedi

See page 75 for details

14:15-15:45 Abstract Session 111

Valves

Moderator: S. Cicek, Istanbul;

Panellists: J. Fragata, Lisbon; I. Mattila, Helsinki; B. Meyns, Leuven

Objectives:
Surgical management of congenital valve disease.

14:15
The ordeal of left atrio-ventricular valve replacement in children under 1 year of age
E. Sawan[1], J. Soquet[2], M. Liava'a[1], C. Brizard[1], I. Konstantinov[2], J. Brink[1], Y. D'udekem[2]; [1]Melbourne, [2]Parkville

14:30
Predictors of midterm outcomes following mitral valve repair
E. Martin[1], P. Del Nido[1], M. Nathan[1]; [1]Boston

14:45
Mid-term outcomes of congenital mitral valve surgeries: Unveiling the Shone syndrome impact
K. Sughimoto[1], I. Konstantinov[2], Y. D'udekem[2], J. Brink[3], M. Cheung[3], C. Brizard[3]; [1]Sagamihara, [2]Parkville, [3]Melbourne

15:00
Fifteen year experience with the use of artificial chords in valve reconstruction in children
J. Kluin[1], R. Heijnen[2], R. Boon[3], V. Sojak4, D. Koolbergen[1], M. Hazekamp[4]; [1]Amsterdam, [2]Amsterdam-Zuidoost, [3]Zwolle, [4]Leiden

15:15
Contemporary results of aortic valve repair for congenital disease: Lessons for management and staged strategy
M. Vergnat[1], B. Asfour[2], B. Bierbach[2], C. Arenz[2], P. Suchowerskyj[2], E. Schindler[2], M. Schneider[2], V. Hraska[3]; [1]Le Plessis-Robinson, [2]Sankt Augustin, [3]Milwaukee

15:30
Common Atrioventricular Valve Failure During Single Ventricle Palliation
G. King[1], K. Du Plessis[1], G. Wheaton[2], R. Justo[3], D. Winlaw[4], T. Gentles[5], R. Cordina[4], Y. D'udekem[6]; [1]Melbourne, [2]Adelaide, [3]Brisbane, [4]Sydney, [5]Auckland, [6]Parkville

14:15-15:45 Focus Session 116+117

People skills for surgeons

See page 76 for details

14:15-15:45 Training in Research Session 118+119

Interpreting randomised trial data

See page 80 for details

14:15-15:45 Focus Session 122+123

Pro and Cons debates

See page 80 for details

16:00-17:30 Abstract Session 111

Tetralogy of Fallot / pulmonary atresia

Moderator: M. Kostolny, London

Panellist: Y. D'udekem, Parkville; B. Davies, London; M. Schweiger, Zürich

Objectives:
Surgical management, of tetralogy of Fallot and Pulmonary Atresia with VSD.

16:00

Long-term outcome of staged repair with complete unifocalization for pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries

T. Sakamoto[1], M. Nagashima[1], G. Matsumura[1], S. Akiyama[1], T. Nishimori[1], Y. Matsuzaki[1], J. Ikarashi[1], K. Yamazaki[1]; [1]Tokyo

16:15

Surgical treatment of pulmonary atresia with major aortopulmonary collateral arteries in 83 consecutive patients: single center experience

O. Babliak[1], Y. Mykychak[1], I. Yemets[1]; [1]Kiev

16:30

Outcomes of palliative right ventricle to pulmonary artery connection for pulmonary atresia with ventricular septal defect

M. Lenoir[1], M. Pontailler[1], R. Gaudin[1], S. Gerelli[1], D. Tamisier[1], D. Bonnet[1], P. Vouhe[1], O. Raisky[1]; [1]Paris

16:45

Neonatal total correction of tetralogy of Fallot: Is it the gold standard?

Y. Menaissy[1]; [1]Giza

17:00

Primary repair of tetralogy of Fallot in infants and small children – results from a large multicenter cohort

D.M. Dorobantu[1], R.P. Martin[1], M.A.T. Sharabiani[2], G.D. Angelini[1], A.J. Parry[1], M. Caputo[1], S.C. Stoica[1]; [1]Bristol, [2]London

17:15

A novel bioabsorbable pulmonary valved conduit in a chronic sheep model

G. Bennink[1], M. Brugmans[2], O. Svanidze[3], M. Cox[2]; [1]Cologne, [2]Eindhoven, [3]Zürich

16:00-17:30 Focus Session 211

EACTS publications: Best papers

See page 86 for details

Raising Standards through Education and Training

Vascular Disease Domain Programme

EACTS
European Association For Cardio-Thoracic Surgery

Vascular Courses

2016

All courses to take place at EACTS House in Windsor, UK, unless stated otherwise

Fundamentals in Cardiac Surgery: Part III	24-28 October
11th European Mechanical Circulatory Support Summit (EUMS)	3-5 November, Berlin, Germany
Mitral Valve Surgery	7-9 November, Leiden, The Netherlands
Aortic Valve Surgery	24-25 November, Nancy, France
Modern Perspectives on Atrial Fibrillation Surgery	24-25 November
Hospital Leadership: Head, heart and values	28-29 November
Endoscopic Port-Access Mitral Valve Repair Drylab Training	15-16 December, Maastricht,The Netherlands

2017

Fundamentals in Cardiac Surgery: Part I	6-10 February
Endoscopic Port-Access Mitral Valve Repair Drylab Training	23-24 February, Maastricht, The Netherlands
Introduction to Aortic Surgery	16-18 March
Aortic Valve Repair	22-24 March, Paris, France
Endoscopic Port-Access Mitral Valve Repair Drylab Training	27-28 April, Maastricht, The Netherlands
Fundamentals in Cardiac Surgery: Part II	5-9 June
Ventricular Assist Device Co-ordinators Training Course	15-17 June, Berlin, Germany
Minimally Invasive Techniques in Adult Cardiac Surgery	20-22 June, Warsaw, Poland
Basic Science	30 June-1 July
Endoscopic Port-Access Mitral Valve Repair Drylab Training	7-8 September, Maastricht, The Netherlands
Fundamentals in Cardiac Surgery: Part III	23-27 October
Mitral Valve Surgery	November
12th European Mechanical Circulatory Support Summit (EUMS)	29 November-2 December, Bad Oeynhausen, Germany
Endoscopic Port-Access Mitral Valve Repair Drylab Training	14-15 December, Maastricht, The Netherlands

Chair:

Ruggero De Paulis, Rome, Italy
Michael Grimm, Innsbruck, Austria
Fabian Kari, Freiburg, Germany
Davide Pacini, Bologna, Italy
Eduard Quintana, Barcelona, Spain
Bartosz Rylski, Freiburg, Germanay
Florian Schoenhoff, Berne, Switzerland
Malakh Shrestha, Hannover, Germany
Konstantinos Tsagakis, Essen, Germany

08:15-09:45 Professional Challenge

EACTS/STS - Acute type A dissection

Moderators: J. Bavaria, Philadelphia; R. De Paulis, Rome; D. Harrington, Liverpool

Objectives:
To understand the anatomical conditions that dictates the most appropriate surgical technique when facing an acute aortic dissection.

08:15
Entry tear into the ascending aorta: A standard ascending aortic replacement is the gold standard
M. Grimm, Innsbruck

08:20
Entry tear into the ascending aorta: A standard ascending aortic replacement is not enough
A. Pochettino, Rochester

08:35
Root dissection into the NC ± RC sinuses: Robust root/sinus repair with resuspension
N. Desai, Philadelphia

08:40
Root dissection into the NC ± RC sinuses: Always a re-implantation procedure
W. Harringer, Braunschweig

08:55
Results of ascending aortic stent graft with the first FDA approved device
A. Khoynezhad, Los Angeles

09:15
Three-dimensional computed tomography reconstructions of the aorta: aortic elongation and the risk for dissection. The Tübingen aortIc pathoanatomy (TAIPAN) Project
T. Krüger[1], A. Oikonomou[1], D. Schibilsky[1], M. Lescan[1], K. Bregel[1], A. Nemeth[1], L. Vöhringer[1], C. Schlensak[1]; [1]Tübingen

09:30
Fate of dissected aortic arch after ascending replacement in acute type A aortic dissection
B. Rylski[1], N. Hahn[1], F. Beyersdorf[1], M. Czerny[1], P. Blanke[2], T. Plonek[3], M. Kreibich[1], M. Siepe[1]; [1]Freiburg, [2]Würzburg, [3]Wroclaw

08:15-09:45 Training in Research Session 122+123

Preparing your scientific breakthrough: from abstract to paper

See page 29 for details

10:00 - 11:30 Professional Challenge 113

EACTS/STS - Type B aortic dissection

Moderators: J. Bachet, Nogent sur Marne; J. Dumfarth, Innsbruck; M.A. Schepens, Brugge

Objectives:
To gather more data that would help in choosing the most appropriate approach whether medical, endovascular or surgical in different clinical presentation.

10:00
Uncomplicated presentation: Conservative management
T. Sundt, Boston

10:15
Uncomplicated presentation: Aggressive stent grafting
C. Nienaber, London

10:30
Optimal timing of entry closure with stent graft for chronic type B aortic dissection
K. Shimamura[1], T. Kuratani[1], T. Sakamoto[1], T. Kudo[1], K. Masada[1], K. Maeda[1], K. Torikai[1], S. Yoshiki[1]; [1]Osaka

10:45
Open repair for dissecting aneurysm of descending or thoraco-abdominal aorta in the endovascular era
A. Omura[1], K. Minatoya[2], Y. Inoue[1], J. Kobayashi[2]; [1]Suita, [2]Osaka

11:00
Complicated presentation: Always endovascular treatment?
B. Rylski, Freiburg

11:15
Complicated presentation: When open surgery is still indicated?
L. Girardi, New York

10:00-11:45 Focus Session 118+119

Training in cardio-thoracic surgery

See page 32 for details

11:45-13:15 Plenary Session 116+117

The whole is greater than the sum of its parts: a strong team for a better outcome

See page 32 for details

13:30-15:00 Abstract Session 113

Defining good outcomes after aortic root surgery

Moderator: M. Shrestha, Hannover

Panellists: E. Coscioni, Salerno; D.C. Miller, Stanford; G. Weiss, Vienna

Objectives:

To better define postoperative and long-term outcome after surgery of the aortic root and to prevent complication during arch surgery.

13:30

Biological solutions to aortic root replacement: valve sparing vs bioprosthetic conduit. A propensity matched analysis

M. Gaudino[1], M. Elsayed[1], L.P. Weltert[2], C. Lau[1], A. Salica[2], E. Mills[1], R. De Paulis[2], L. Girardi[1]; [1]New York, [2]Rome

13:45

Valve-sparing David I procedure in acute aortic type A dissection: a twenty-year experience with over 100 patients

E. Beckmann[1], A. Martens[1], F. Abd-Alhadi[1], J. Pertz[1], T. Kaufeld[1], J. Umminger[1], A. Haverich[1], M. Shrestha[1]; [1]Hannover

14:00

Biological versus mechanical Bentall procedure for aortic root replacement: A propensity-score analysis of a consecutive series of 1112 patients

D. Pacini[1], A. Pantaleo[1], L. Di Marco[1], G. Murana[1], P. Berretta[1], G. Jafrancesco[1], A. Leone[1], R. Di Bartolomeo[1]; [1]Bologna

14:15

Aortic reoperations after elective arch surgery: incidence, surgical strategies and outcomes

M. Luehr[1], D. Pacini[2], C.D. Etz[3], M. Shrestha[4], R. De Paulis[5], K. Tsagakis[6], A. Zierer[7], P. Urbanski[8]; [1]Munich, [2]Bologna, [3]Leipzig, [4]Hannover, [5]Rome, [6]Essen, [7]Frankfurt, [8]Bad Neustadt

14:30

Understanding cerebral protection and neurological outcomes during aortic arch surgery: Demographic data from the International Aortic Arch Surgery Study Group

D. Tian[1], E. Chen[2], H. Safi[3], F.W. Mohr[4], M. Misfeld[4], N. Kouchoukos[5], R. Di Bartolomeo[6], M. Di Eusanio[7]; [1]Sydney, [2]Atlanta, [3]Texas, [4]Leipzig, [5]Missouri, [6]Bologna, [7]Ancona

14:45

Factors influencing neurological outcomes in a single center experience of 791 elective aortic arch repair

M. Cefarelli[1], G. Murana[1], G.G. Surace[2], S. Castrovinci[3], G. Kloppenburg[4], U. Sonker[4], G. Jafrancesco[1], R. Heijmen4; [1]Bologna, [2]Naples, [3]Palermo, [4]Nieuwegein

13:30-15:00 Training in Research Session 122+123

Statistics from scratch: finding your way through the forest of options

See page 35 for details

13:30-15:00 Jeopardy 212

Preliminary Rounds

Round 1: Netherlands; Turkey; United Kingdom

Round 2: Finland; India; United Kingdom

15:15-16:45 Abstract Session 113

Arch and descending aortic pathology

Moderators: M. Underwood, Hong Kong

Panellists: P. Achouh, Paris; Y. Okita, Kobe; T. Schachner, Innsbruck

Objectives:
To learn the decision making process when facing a complex aortic disease and choose the optimal surgical treatment.

15:15

Evaluation of late change in proximal neck anatomy using MDCT after TEVAR for aortic arch disease
K. Tomoaki[1], T. Kuratani[1], K. Shimamura[1], T. Sakamoto[1], K. Masada[1], K. Torikai[1], K. Maeda[1], Y. Sawa[1]; [1]Osaka

15:30

Impact of frozen elephant trunk technique on spinal cord perfusion
S. Leontyev[1], M. Halling[1], F. Schlägel[1], A. Hoyer[1], C. Leon[1], C.D. Etz[1], M.T. Dieterlen[1], F.W. Mohr[1]; [1]Leipzig

15:45

What would be the optimal imaging interval for surveillance of moderately dilated ascending aorta?
K.H. Park[1]; [1]Seoul

16:00

Thoraco-abdominal aortic replacement in patients of 50 and younger age
K. Minatoya[1], Y. Inoue[1], J. Kobayashi[1]; [1]Osaka

16:15

Hybrid repair of complex aortic arch pathologies with a novel sutureless anastomosis for revascularization of the supra-aortic vessels
N. Desai[1], A. Hoedt[1], T. Wallen[1], W. Szeto[1], T. Dibble[1], D. Savino[1], D. Spragan[1], J. Bavaria[1]; [1]Philadelphia

16:30

Impact of prosthetic versus native ascending aorta as proximal landing zone for thoracic aorta endovascular repair
M. Murzi[1], P. Farneti[1], A.G. Cerillo[1], R. Margaryan[1], S. Berti[1], M. Solinas[1]; [1]Massa

15:15-16:45 Focus Session 114

Balancing a surgical career with a family

See page 36 for details

15:15-16:45 Focus Session 112

Monitoring Quality in Your Unit: State of the Art

See page 37 for details

The aorta and the bicuspid valve

Moderators: C. Antona, Milan; M. Grabenwöger, Vienna; A. Leone, Bologna

Objectives:
To better understand the most controversial aspects in the association between bicuspid aortic valve and aortopathy and improve the decision making process in clinical practice.

08:15
Surgical threshold for aneurysm resection based on the various guidelines through the years
A. Della Corte, Naples

08:30
Relationship between aortic flow and aneurysm morphology
E. Girdauskas, Hamburg

08:45
Aortic valve phenotype and aortopathy. Do we finally have an association?
H.H. Sievers, Luebeck

09:00
Aortic events after isolated aortic valve repair for bicuspid valve. Is a real problem?
R. Benetis, Kaunas

09:15
"In vitro" comparison of aortic haemodynamics of bicuspid and tricuspid aortic valves using computational fluid dynamics
P. Youssefi[1], A. Gomez[1], T. He[1], L. Anderson[1], N. Bunce[1], R. Sharma[1], A. Figueroa[2], M. Jahangiri[1]; [1]London, [2]Ann Arbor

09:30
Which technique of cusp repair is durable in David procedure?
T. Hiroshi[1]; [1]Kobe

Type A Aortic dissection from research to clinical application

Moderators: M. Bashir, Liverpool; M. Misfeld, Leipzig

Objectives:
To evaluate usual and unusual risk factors for aortic dissection and to improve overall surgical treatment.

08:15
Surgical management of Iatrogenic type A aortic dissection: A thirty patient case series
T. Dibble[1], D. Spragan[1], J. Bavaria[1], W. Szeto[1], P. Vallabhajosyula[1], D. Savino[1], F. McCarthy[1], N. Desai[1]; [1]Philadelphia

08:23
Surgical outcomes of acute type A aortic dissection in octogenarians
T. Gomibuchi[1], K. Okada[1]; [1]Matsumoto

08:31
Early and late surgical outcomes of acute type A aortic dissection in octogenarians
N. Kimura[1], K. Kawahito[2], K. Aizawa[2], S. Itoh[1], A. Yamaguchi[1], Y. Misawa[2], H. Adachi[1]; [1]Saitama, [2]Shimotsuke

08:39

The impact of more aggressive aortic surgery in acute aortic dissection type A on early postoperative and long-term results

B. Dib[1], P. Seppelt[2], R. Arif[1], A. Weymann[1], A. Ruhparwar[1], M. Karck[3], K. Kallenbach[4]; [1]Heidelberg, [2]Frankfurt am Main, [3]Hannover, [4]Luxembourg

08:47

Surgical outcome of reoperation after primary repair for type A aortic dissection

N. Kawamoto[1], K. Minatoya[1], Y. Inoue[2], J. Kobayashi[1]; [1]Osaka, [2]Suita

08:55

Outcomes of patients who declined surgery for acute Stanford type A aortic dissection with patent false lumen of the ascending aorta

T. Kitamura[1], S. Torii[1], T. Horai[1], K. Sughimoto[1], Y. Irisawa[1], H. Hayashi[1], T. Matsushiro[1], K. Miyaji[1]; [1]Sagamihara

09:03

Patient-specific risk prediction of aortic dissection using finite elements analysis

T. Plonek[1], M. Zak[2], K. Burzynska[2], B. Rylski3, M. Czerny[3], F. Beyersdorf[3], J. Filipiak[2]; [1]Wroclaw, [2]Wrocław, [3]Freiburg

09:11

Prevention of aortic aneurysm formation and rupture by using Clarithromyacin

W. Uchida[1], A. Yamawaki-Ogata[1], H. Oshima[1], A. Usui[1], Y. Narita[1]; [1]Nagoya

09:19

Aortic valve pathology as predictive factor for acute aortic dissection, numerical analysis of ascending aorta and aortic arch hemodynamics

D. Berdajs[1], S. Mosbahi[2], E. Ferrari[3], D. Charbonnier[2], L. Von Segesser[2]; [1]Zürich, [2]Lausanne, [3]Lugano

09:27

The impact of aortic branches and entry size on aortic remodelling after frozen elephant trunk in acute aortic dissection

D.S. Dohle[1], H. Jakob[1], R.A. Janosi[1], T. Schlosser[1], J. Benedik[1], D. Wendt[1], M. Thielmann[1], K. Tsagakis[1]; [1]Essen

08:15-09:45 Training in Research Session 118+119

How to perform more advanced statistics: basics and pitfalls

See page 44 for details

08:15-09:45 Focus Session 122+123

Work in progress

See page 44 for details

Repairing a bicuspid valve

Moderators: R. Haaverstad, Bergen; A. Martens, Hannover; T. Modine, Lille

Objectives:
To learn the theory and the practice towards a standardization in the technique of repairing a bicuspid valve.

10:15
A classification based approach. Diameter, morphology and type of lesion
L. De Kerchove, Woluwe-Saint-Lambert

10:30
A geometry based approach to optimize valve repair
H.J. Schäfers, Homburg/Saar

10:45
Are all types of annuloplasties the same? - External flexible ring
E. Lansac, Paris

10:50
Are all types of annuloplasties the same? - Externally supported band
R. De Paulis, Rome

10:55
Are all types of annuloplasties the same? - External/internal suture
D. Aicher, Homburg/Saar

11:00
Are all types of annuloplasties the same? - Internal ring
D. Mazzitelli, Munich

11:05
Is root replacement to be preferred when repairing a bicuspid valve?
G. El Khoury, Woluwe-Saint-Lambert

11:20
When not to do a primary valve repair/re-implantation
J. Bavaria, Philadelphia

11:30
Genetic abnormalities in bicuspid aortic valve root phenotype: preliminary results
E. Girdauskas[1], L. Geist[2], T. Groß[1], K. Disha[3], M. Voigt[2], H. Reichenspurner[1], T. Kuntze[3], I. Kurth[2]; [1]Hamburg, [2]Jena, [3]Bad Berka

Nightmares in cardio-thoracic surgery

See page 50 for details

How can we work together? Latin America, Africa and Asia Perspective

See page 51 for details

11:50-12:30 The Presidential Address 116+117

Neulich nachts in Houston

F. Mohr, Leipzig

14:15-15:45 Focus Session 113

How to do - video session 1

Moderators: M. Bashir, Liverpool; C. Mestres, Abu Dhabi; A. Oo, Liverpool

Objectives:

To improve the surgical skills in the major operation of the aortic root and aortic arch.

14:15

Aortic root - Ross operation

M. Hazekamp, Leiden

14:20

Aortic root - Classic re-modelling

R. Leyh, Würzburg

14:25

Aortic root - Reconstruction of the fibrous skeleton of the heart

E. Quintana, Barcelona

14:30

Discussion

14:40

Aortic root – Re-implantation - David I straight conduit

M. Shrestha, Hannover

14:45

Aortic root – Re-implantation - David V Stanford modification

D.C. Miller, Stanford

14:50

Aortic root – Re-implantation - Graft with sinuses

R. De Paulis, Rome

14:55

Discussion

15:05

Aortic arch - Hybrid type II arch debranching

J. Bavaria, Philadelphia

15:10

Aortic arch - Hybrid arch debranching (Lupiae technique)

G. Esposito, Bergamo

15:15

Discussion

15:25

Aortic arch - Frozen elephant trunk - Non branched graft

H. Jakob, Essen

15:30

Aortic arch - Frozen elephant trunk - Branched graft

R. Di Bartolomeo, Bologna

14:15-15:45 Training in Research Session 118+119

Meta-analysis from start to finish

See page 57 for details

14:15-15:45 Jeopardy 212

Final - Winner round 1 vs Winner round 2

See Sunday 13:30 for details

16:00-17:30 Focus Session 113

Thoracic and thoraco-abdominal aneurysms treatment: Surgery after thoracic endovascular aortic repair and thoracic endovascular aortic repair after surgery

Moderators: T. Carrel, Berne; J. Kokotsakis, Athens; W. Morshuis, Nijmegen

Objectives:
Defining the most appropriate decision in difficult clinical and anatomical presentation after major thoraco-abdominal surgery.

16:00
Proximal failure after thoracic endovascular aortic repair: incidence, mechanism and treatment
M. Czerny, Freiburg

16:15
Surgical treatment of thoracic endovascular failure in the thoraco-abdominal aorta
J. Coselli, Houston

16:30
Open repair of thoraco-abdominal aortic aneurysm: contemporary outcomes in 393 elective cases
J. Shimamura[1], T. Fujikawa[2]; [1]Kawasaki-shi, [2]Kawasaki city

16:45
Thoracic endovascular aortic repair for the treatment of early and late complications of open surgical repair
L. Lovato, Bologna

17:00
Open repair of descending thoracic and thoraco-abdominal aortic aneurysms in patients with preoperative non-dialysis dependent renal failure
M. Gaudino[1], C. Lau[1], M. Elsayed[1], M. Munjal[1], I. Gambardella[1], E. Mills[1], L. Girardi[1]; [1]New York

17:15
Frozen elephant trunk procedure is superior to conventional elephant trunk for the second stage completion
E. Beckmann[1], S. Rustum[1], M. Wilhelmi[1], F. Abd-Alhadi[1], H. Krueger[1], A. Haverich[1], A. Martens[1], M. Shrestha[1]; [1]Hannover

16:00-17:30 Focus Session 122+123

Meet the experts

See page 63 for details

Connective tissue disorders and aortic disease: New Frontiers in Diagnosis and Management

Moderators: B. Torfason, Reykjavik; L.P. Weltert, Rome; K. Widenka, Rzeszow

Objectives:
To understand and discuss the most controversial aspects of medical and surgical approach in patients with connective tissue disease.

08:15
Pathological correlates of genetic aortic syndrome
A. Verstraeten, Antwerp

08:30
Do we need to perform genetic test in young patients with root aneurysm - PRO
F. Schoenhoff, Berne

08:35
Do we need to perform genetic test in young patients with root aneurysm - CON
A. Oo, Liverpool

08:40
Thoracic endovascular aortic repair in patients with connective tissue disorders - PRO
M. Siepe, Freiburg

08:45
Thoracic endovascular aortic repair in patients with connective tissue disorders - CON
D. Pacini, Bologna

08:50
Discussion

09:00
Valve sparing aortic root replacement (David I Procedure) in Marfan's disease: Single center 20 year experience in over 100 patients
A. Martens[1], J. Umminger[1], E. Beckmann[1], T. Kaufeld[1], J. Pertz[1], H. Krueger[1], A. Haverich[1], M. Shrestha[1]; [1]Hannover

09:15
Is aortic root re-modelling in Marfan patients justified?
P. Urbanski[1], A. Jankulowski[1], A. Morka[2], X. Zhan[1], M. Zacher[1], A. Diegeler[1]; [1]Bad Neustadt, [2]Kraków

09:30
Circulating biomarkers for risk stratification of bicuspid aortopathy: First evidence of morphotype-related differences
A. Della Corte[1], A. Forte[1], C. Bancone[1], M. Buonocore[1], M. De Feo[1], G. Santarpino[2], T. Fischlein[2], G. Nappi[1]; [1]Naples, [2]Nuremberg

Starting a trial: what you must know

See page 69 for details

10:15 - 11:45 Focus Session 113

Arch surgery: Towards a low mortality and low complications rate

Moderators: V.V. Bashi, Chennai; J. Coselli, Houston; V. Demianenko, Kiev

Objectives:
An update on current results in the various approaches to arch treatment.

10:15
A contemporary review of outcome data for open repair
M. Grabenwöger, Vienna

10:30
Fifteen year experience of total aortic arch replacement with the frozen elephant trunk technique in over 250 patients: the good, the bad and the ugly
M. Shrestha[1], A. Martens[1], H. Krueger[1], F. Ius[1], F. Abd-Alhadi[1], A. Haverich[1], M. Karck[1], A. Chavan[2]; [1]Hannover, [2]Oldenburg

10:45
A contemporary review of outcome data for hybrid repair
C. Mestres, Abu Dhabi

11:00
Comparison of aortic arch repair by endovascular, conventional total arch replacement, and staged operation
A. Yoshitake[1], K. Okamoto[1], M. Yamazaki[1], N. Kimura[1], A. Hirano[1], Y. Iida[1], H. Shimizu[1]; [1]Tokyo

11:15
A contemporary review of outcome data for total endovascular repair
T. Koelbel, Hamburg

11:30
Early and mid-term outcomes of endovascular and open surgical repair of true aortic arch aneurysm
D. Hori[1], H. Okamura[1], T. Yamamoto[1], K. Yuri[1], S. Nishi[1], N. Kimura[1], A. Yamaguchi[1], H. Adachi[1]; [1]Saitama

10:15-11:45 Focus Session 122+123

Simulation based training

See page 75 for details

11:50–12:30 Plenary Session 116+117
The Honoured Guest Lecture

Speed and Perfection
R. Battellini, Buenos Aires

12:30-14:00 Resident's luncheon Banquet Hall

The force awakens: training of the new Jedi

See page 75 for details

The old, the new, the evident in aortic surgery

Moderators: C.D. Etz, Leipzig; J. Bachet, Nogent sur Marne

Objectives:
To improve the understanding of complex aortic pathology and to learn how to tailor the best treatment.

14:15
Minimally invasive approach for frozen elephant trunk surgery: early results
G. Esposito[1], S. Bichi[1], A. Cricco[1]; [1]Bergamo

14:23
Safety and efficacy of biodegradable felt for reinforcement of suture line in aortic surgery -a propensity score matching study-
K. Hosoyama[1], S. Kawamoto[1], K. Watanabe[1], Y. Sugawara[1], Y. Tabata[2], M. Yamamoto[2], K. Tabayashi[1], Y. Saiki[1]; [1]Sendai, [2]Kyoto

14:31
Safeness of unilateral or bilateral cerebral perfusion according to preoperative evaluation of Willis' Circle completeness in aortic arch surgery
G. Jafrancesco[1], G.G. Surace[2], S. Tromp[3], A. Pantaleo[1], G. Barberio1, M. Cefarelli[1], R. Heijmen[3]; [1]Bologna, [2]Napoli, [3]Nieuwegein

14:39
The outcome and role of false lumen procedures during thoracic endovascular aortic repair in chronic De Bakey IIIb aneurysm
T.H. Kim[1], S.W. Song[1], K.H. Lee[1], K.J. Yoo[1]; [1]Seoul

14:47
Novel method to prevent stent graft-induced aortic ulcer after thoracic endovascular aortic repair for type B aortic dissection
K. Masada[1], T. Kuratani[1], K. Shimamura[1], K. Torikai[1], T. Sakamoto[1], T. Kudo[1], K. Maeda[1], Y. Sawa[1]; [1]Osaka

14:55
Aortic arch surgery through a partial upper mini-sternotomy
P. Risteski[1], A. Zierer[1], A. El-Sayed Ahmad[2], F. Detho[1], I. Radacki[1], N. Monsefi[1], N. Papadopoulos[2], A. Moritz[1]; [1]Frankfurt,

15:03
Quality of life after circulatory arrest with deep hypothermia
J. Stewart[1]; [1]Helsinki

15:11
Evaluation of aortic remodeling after De Bakey I acute dissection: Should we measure volume or diameter
S. Bertele[1], F. Abd-Alhadi[1], E. Beckmann[1], T. Kaufeld[1], H. Krueger[1], A. Haverich[1], M. Shrestha[1], A. Martens[1]; [1]Hannover

15:19
Impact of sarcopenia on the outcomes of elective total arch replacement in the elderly
Y. Ikeno[1], Y. Okita[1]; [1]Kobe

15:27
Cannulation strategy in aortic surgery: one center experience in more than 1000 patients
A. Lenos[1], P. Bougioukakis[1], M. Zacher[1], A. Diegeler[1], P. Urbanski[1]; [1]Bad Neustadt

14:15–15:45 Focus Session 116+117

People skills for surgeons

See page 76 for details

14:15-15:45 Training in Research Session 118+119

Interpreting randomized trial data

See page 80 for details

14:15-15:45 Focus Session 122+123

Pro and Cons debates

See page 80 for details

16:00-17:30 Focus Session 113

Endovascular competence for the cardiac surgeon. Keeping in track

Moderators: B. Rylski, Freiburg; H. Schröfel, Freiburg; K. Tsagakis, Essen

Objectives:
To introduce the cardiac surgeon into the endovascular era from preoperative planning, to patient selection to specific technical issues.

16:00
Catheter, wires, access
V. Makaloski, Berne

16:15
Choosing the right patient
B. Rylski, Freiburg

16:30
Pre-op planning: Reading the computerised tomography and deciding the operative strategy
N. Mangialardi, Rome

16:45
Which is the best prostheses for the various anatomical situations?
M. Czerny, Freiburg

17:00
How to follow-up the patient with an endovascular prosthesis
M. Grimm, Innsbruck

17:15
Inoperable patients with acute type A dissection: Are they candidates for endovascular repair?
E. Roselli[1], S. Hasan[1]; [1]Cleveland

16:00-17:30 Focus Session 211

EACTS publications: Best papers

See page 86 for details

Aortic Valve Repair

Moderator: R De Paulis, Rome

Objectives:
To master the major different options in valve sparing operation and define the surgical steps that are crucial in this type of surgery.

09:00
Introduction

09:10
Valve sparing root replacement: what are the update options?
R. De Paulis, Rome

09:20
Geometric and effective height: key concept for valve repair
H.J. Schäfers, Homburg/Saar

09:30
How to repair a bicuspid valve
G. El Khoury, Woluwe-Saint-Lambert

09:40
Single sinus, patient tailored root remodeling without annuloplasty
P. Urbanski, Bad Neustadt

09:50
Rational of aortic annuloplasty to standardise aortic valve repair
E. Lansac, Paris

10:00
How to start an aortic valve repair programme
R. Sádaba, Pamplona

10:10 Break

10:30
Wetlab - Reimplantation

10:30
Wetlab - Remodelling + ring or stitches

This wetlab will be restricted to 50 participants.
Registration will be via the On-Site registration desks. A fee of €20 will be charged.

Raising Standards through Education and Training

Exhibition, Satellite Meetings

EACTS
European Association For Cardio-Thoracic Surgery

2016 COURSES

Fundamentals in Cardiac Surgery: Part III	24-28 October
11th European Mechanical Circulatory Support Summit (EUMS)	3-5 November, Berlin, Germany
Mitral Valve Surgery	7-9 November, Leiden, The Netherlands
Congenital Heart Disease	15-18 November
Aortic Valve Surgery	24-25 November, Nancy, France
Modern Perspectives on Atrial Fibrillation Surgery	24-25 November
Hospital Leadership: Head, heart and values	28-29 November
Endoscopic Port-Access Mitral Valve Repair Drylab Training	15-16 December, Maastricht, The Netherlands

All courses to take place at EACTS House in Windsor, UK, unless stated otherwise.

Raising Standards Through Education and Training

www.eacts.org

Techno College Acknowledgements

EACTS is grateful to the following organisations for their educational grants in respect of this year's Techno College:

AtriCure Europe B.V.
Edwards Lifesciences
Harpoon Medical
JOMDD Inc
Medtronic International Trading Sàrl
Terumo Europe NV
W L Gore & Associates GmbH

Scientific Sessions

The following sessions were supported by an unrestricted educational grants from the Industry partners listed:

Transcatheter mitral valve intervention - our business
(Abbott Vascular)

Minimally invasive aortic valve replacement - How to do it right in all patients
(Edwards Lifesciences)

Bioprosthetic valve durability: also for younger patients?
(Edwards Lifesciences)

Monday 3 October	Times	Room
AtriCure Europe BV Taking Surgical Ablation and Appendage Management to the Next Level	12:45-14:00	Room 133+134
CryoLife On-X: Less warfarin, less bleeding, less risk	12:45-14:00	Room 122+123
Edwards Lifesciences Surgical Valve Innovations For Your Patients' Unmet Needs!	12:45-14:00	Room 113
JOTEC GmbH Status quo and latest trends in the FET procedure	12:45-14:00	Room 118+119
LivaNova Aortic and mitral experiences across the oceans	12:45-14:00	Room 111
Medtronic International Trading Sàrl Clinical outcomes and early experience with Avalus, the next generation stented aortic valve	12:45-14:00	Room 112
Medtronic International Trading Sàrl Mini-Invasive Solutions for CABG: Endoscopic Vessel Harvesting and MICS CABG	12:45-14:00	Room 124
Somahlution Preventing Vein Graft Disease following CABG: The Importance of Intraoperative Vein Graft Treatment	12:45-14:00	Room 131+132
St Jude Medical Novel technologies for aortic stenosis, built on close to 40 years of valve expertise, deliver better patient outcomes on short and long term view	12:45-14:00	Room 115
Symetis SA ACURATE *neo*™ story: The TA and TF TAVI experience	12:45-14:00	Room 129+130
Vascutek Ltd Management and Treatment of the Diseased Aortic Arch	12:45-14:00	Room 114

Monday 3 October	Times	Room
Xeltis BV Reinventing the heart valve: Redefining heart valve replacement with bioabsorbable technology	12:45-14:00	Room 120+121
Zimmer Biomet How sternal closure can improve outcomes and reduce complications in cardiac surgery	12:45-14:00	Room 128

Tuesday 4 October		
Edwards Lifesciences The heart team and the evolution of patient selection for TAVI	12:45-14:00	Room 113
MAQUET Vertrieb und Service Deutschland GmbH The challenge of infection in cardio-thoracic surgery - Identification, prevention and treatment	12:45-14:00	Room 118+119
Medtronic International Trading Sàrl Current and Future Approaches to Mitral Valve Disease	12:45-14:00	Room 111
St Jude Medical More than just a pump: Using the HeartMate 3 in clinical practice	12:45-14:00	Room 114

Company Name	Booth No:
3-D Matrix Ltd	047
A&E Medical Corporation	094
AATS-American Association for Thoracic Surgery	013
Admedus	074-075
Advancis Surgical	059
Andocor NV	098
AngioDynamics	035
Asanus Medizintechnik GmbH	014-015
ATMOS MedizinTechnik GmbH & Co. KG	095
AtriCure Europe BV	117 & Training Village Unit 3
B Braun Aesculap	122 & Training Village Unit 6
Berlin Heart GmbH	124
BioCer Entwicklungs-GmbH	085
BioIntegral Surgical, Inc	064
BioStable Science & Engineering, Inc	088
Bolton Medical	069
Cardia Innovation AB	076
CardiaMed BV	104-105
Cardio Medical GmbH	061
Carmat	126
Chalice Medical Ltd	131
ClearFlow Inc	072
Comed BV	056
CorMatrix Cardiovascular Inc	067-068
CORONEO Inc	073
Cryolife Europa	123
CTSNet	011
CytoSorbents Europe GmbH	036-037
De Soutter Medical Limited	077
Delacroix-Chevalier	090-091
Dendrite Clinical Systems Ltd	092
EACTS-Euromacs and QUIP Programme	009
EACTS-The European Association For Cardio-Thoracic Surgery	113

Edwards Lifesciences	114 & Training Village Unit 8
Eurosets SRL	120
Fehling Instruments GmbH & Co. KG	016-017
Genesee BioMedical Inc	028
Getinge Group	110
Hamamatsu Photonics Deutschland GmbH	008
Heart and Health Foundation of Turkey	065
Heart Hugger / General Cardiac Technology	063
Heart Valve Society	018
HeartWare Inc	119 & Training Village Unit 2
HMT Medizintechnik GmbH	038
Integra	081
Inter Medical Services Ltd	004-005
ISMICS-International Society for Minimally Invasive Cardio-Thoracic Surgery	012
Japan Lifeline Co., Ltd.	006
Jarvik Heart Inc	003
Johnson & Johnson Medical Ltd	099-101 & Training Village Unit 1
JOMDD Inc	116D
JOTEC GmbH	116C
KLS Martin Group - Gebrueder Martin GmbH & Co KG	096-097
Labcor Laboratorios Ltda	032
LivaNova	111 & Training Village Unit 9
LSI Solutions	030-031 & Training Village Unit 10
Medela AG	102
Medistim ASA	132
Medtronic International Trading SÁRL	112 & Training Village Unit 7
Meril Life Sciences Pvt. Ltd	001-002
Mitral Academy	078
NeoChord	125 & Training Village Unit 11
NORDIC PHARMA	062
OpInstruments GmbH	019

Oxford University Press	007
Peters Surgical	070-071
POSTHORAX	043
Qualiteam SRL	093
ReliantHeart	089
RTI Surgical	058
Scanlan International Inc	052-055
Siemens Healthcare GmbH	129
Smartcanula LLC	029
Somahlution	083-084
Spectrum Medical	121
St Jude Medical	115 & Training Village Unit 4
stroke2prevent	082
STS-The Society Of Thoracic Surgeons	010
Sunoptic Technologies	051
Symetis SA	127
SynCardia Systems, Inc.	057
Terumo & Vascutek	118 & Training Village Unit 5
Tianjin Plastics Research Institute Co Ltd (TPRI)	039
Tianjin Welcome Medical Equipment Co Ltd	107
Transonic Europe	066
VGS-Vascular Graft Solutions Ltd	116A
Wexler Surgical Inc	086
Wisepress Online Bookshop	046-050
WL Gore & Associates GmbH	106
Xenios AG	128
Xenosys Co Ltd	060
Zimmer Biomet	087

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For other indications, please visit our website.

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AATS-American Association for Thoracic Surgery — Booth No: 013

900 Cummings Center Suite 221-U,
Beverly, MA 01915, United States of America
Tel: +1 9782994534 Fax: +1 9782994534
Email: cvercolen@aats.org Web: www.aats.org

Founded in 1917 by the earliest pioneers in the field of thoracic surgery, the American Association for Thoracic Surgery (AATS) is now an international organization of over 1300 members consisting of the world's foremost cardio-thoracic surgeons representing 37 countries. The Annual Meeting, research grants and awards, educational symposia and courses, and the AATS official journal, the Journal of Thoracic and Cardiovascular Surgery all strengthen the commitment to its mission of Promoting Scholarship in Thoracic and Cardiovascular Surgery.

Admedus — Booth No: 074-075

Bahnhofstr. 98/100
Zuerich, 8001, Switzerland
Tel: +1 6128046423 Fax: +1 9529212309
Email: sbaack@admedus.com Web: www.admedus.com

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Booth No: 059

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Nottingham, NG17 7JZ, United Kingdom
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Email: clair.flint@advancis.co.uk Web: www.advancissurgical.com

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Andocor NV

Booth No: 098

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Zoersel, 2980, Belgium
Tel: +32 33801595 Fax: +32 33801590
Email: patrick.rosa@andocor.com Web: www.andocor.com

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AngioDynamics

Booth No: 035

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ATMOS MedizinTechnik GmbH & Co. KG

Booth No: 095

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AtriCure Europe BV **Booth No: 117 & Training Village Unit 3**

De Entrée II, De Entrée 260, 18th floor, Tower A, Room 3.10
Amsterdam, 1101 EE, Netherlands
Tel: +31 207005560 Fax: +31 207005562
Email: ehoogerheide@atricure.com Web: www.atricure.com

AtriCure, Inc. is focused on innovative RF and cryothermia surgical ablation systems for the treatment of atrial fibrillation. AtriCure's unique method of RF energy titration creates precise low-heat, low energy lesions on cardiac tissue. AtriCure also received CE Mark approval to market the AtriClip for LAA exclusion.

B Braun Aesculap **Booth No: 122 & Training Village Unit 6**

Am Aesculap Platz
Tuttlingen, 78532, Germany
Tel: +49 7461950 Fax: +49 7461952600
Email: ann-kathrin.schray@aesculap.de Web: www.bbraun.com

B. Braun is one of the world´s leading healthcare suppliers offering innovative and high quality products and services for hospitals and medical practices. The Aesculap Division, with competence in the operating theatre for 149 years, focuses on products and services for all of the core processes in surgery. Also in the field of cardiovascular surgery we offer a wide range of premium quality, innovative products, including surgical instruments, sutures, haemostats and various power, navigation and container systems – solutions, which enable the surgeon to perform the most complex operations with confidence and control.

Berlin Heart GmbH **Booth No: 124**

Wiesenweg 10
Berlin, 12247, Germany
Tel: +49 3081872650 Fax: +49 308187222650
Email: schubert@berlinheart.de Web: www.berlinheart.de

Berlin Heart is the only company worldwide that develops, produces, and distributes implantable and paracorporeal ventricular assist devices for patients of every age and body size. EXCOR® is a paracorporeal pulsatile VAD for uni- or biventricular support in newborns, children, adolescents, and adults. INCOR® is an implantable axial-flow LVAD for adults. The Berlin Heart EXCOR® Pediatric VAD is approved for use by the FDA under a Humanitarian Device Exemption. All other products are not FDA approved.

BioCer Entwicklungs-GmbH **Booth No: 085**

Ludwig-Thoma Strasse 36c
Bayreuth, 95447, Germany
Tel: +49 9217877700 Fax: +49 92178777079
Email: christin.munzert@biocer-gmbh.de Web: www.biocer-gmbh.de

BioCer Entwicklungs-GmbH is a young and innovative medical device company from Bayreuth, Bavaria. We are specialized in research, development and production of innovative medical products made out of biomaterials without animal or human components. BioCer´s core technology is the development and production of plant based haemostatic materials for surgical use, as well the supply of synthetic mesh implants with biocompatible surface coatings for hernia repair and breast reconstruction.

BioIntegral Surgical, Inc **Booth No: 064**

200 Britannia Road East, Unit 1
Mississauga, ON, L4Z 1S6, Canada
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Email: regina.burnett@biostable-s-e.com Web: www.biostable-s-e.com

BioStable Science & Engineering is developing and commercializing proprietary valve repair technologies that provide an alternative to valve replacement for aortic valve disease. The company's HAART Aortic Annuloplasty Devices are designed to simplify and standardize aortic valve repair for patients undergoing surgery for aortic insufficiency or root aneurysm.

Bolton Medical **Booth No: 069**

L'Hospitalet de Llobregat
L'Hospitalet de Llobregat, 8908, Spain
Tel: +34 935090158 Fax: +34 935090158
Email: cristina.coll@boltonmedical.com Web: www.boltonmedical.com

Bolton Medical is a subsidiary of the WerfenLife Company. WerfenLife is a global company that manufaclures and distributes medical diagnostic solulions and medical devices worldwide. Headquartered in the US, Bolton Medical improves the quality and safety in patient care by developing, manufacturing, and distributing innovative, high quality products and technology solely focused on the aorta.

Cardia Innovation AB **Booth No: 076**

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Kungens Kurva, SE-14175, Sweden
Tel: +46 704962720 Fax: +46 87177339
Email: marie.vanderlinden@cardia.se Web: www.cardiainnovation.com

Manufacturer of CarbonAid and Carbon Mini CO2 diffusers used for de-airing during cardio-thoracic procedures to prevent air embolism.

CardiaMed BV **Booth No: 104-105**

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Cardio Medical GmbH — Booth No: 061

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Your innovative partner of medical technology. This year the company CardioMedical GmbH celebrates its 22nd anniversary. The company markets advanced medical quality products for the cardiac, thoracic and vascular surgery. Under its own label CardioVision it has been 9 years now that the company offers its high-tech surgical products for minimally invasive surgery and future technologies made in Germany.

Carmat — Booth No: 126

36 avenue de l'Europe, CS 40533
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Email: sylvie.claquin@carmatsas.com Web: www.carmatsa.com

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Chalice Medical Ltd — Booth No: 131

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Chalice is a UK based medical device manufacturer, dedicated to the provision of exceptional products in the cardio-pulmonary market. We specialise in the design and production of customised extra-corporeal tubing packs, oxygenators and cannula for interventional bypass surgery and extended therapies such as ECMO and VAD. Chalice is also proud to be an officially appointed distributor for many global leading enterprises.

ClearFlow Inc — Booth No: 072

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Comed is a European based Company with the HQ in Bolsward (NL). It is a leading, WW supplier of cardiovascular medical technology devices dedicated to improve the quality of life of the patients and the daily work of the physicians. Comed B.V. was established in 2000, started as a trading and service company. In 2011, we achieved to build up our own product portfolio in interventional cardiology, structural heart disease, peripheral vascular, critical care and IVD by integrating European needs and quality requirements with Chinese manufacture advantages to provide the best technology and solution to the WW health care system.

CorMatrix Cardiovascular Inc

Booth No: 067-068

1100 Old Ellis Road

Roswell, GA 30076, United States of America

Tel: +1 6785662628 Fax: +1 6785662680

Email: hcatir@cormatrix.com Web: www.cormatrix.com

CorMatrix Cardiovascular, Inc. is a privately held medical device company dedicated to developing and delivering innovative bio-material devices that harness the body's own innate ability to repair damaged heart tissue. The company markets its ECM Technology biomaterial devices for pericardial repair, cardiac tissue repair, vascular repair and CanGaroo ECM Envelope and is currently conducting pre-clinical studies to evaluate future applications in heart failure and cardiovascular applications.

CORONEO Inc

Booth No: 073

9250, Avenue du Parc, Suite 514

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Cryolife Europa

Booth No: 123

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Email: brown.claire@cryolife.com Web: www.cryolife.com

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CTSNet

Booth No: 011

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Tel: +1 3122025838 Fax: +1 3122025803
Email: alaw@sts.org Web: www.ctsnet.org

CTSNet (www.ctsnet.org), headquartered in Chicago, Illinois, USA, is the leading international source of online resources related to cardio-thoracic surgery, as well as the major hub of the international online community of cardio-thoracic surgeons and allied health care professionals.

CytoSorbents Europe GmbH

Booth No: 036-037

Boelschestrasse 116
Berlin, 12587, Germany
Tel: +49 3065499145 Fax: +49 3065499146
Email: Kristin.vonHammerstein@cytosorbents.com Web: www.cytosorb-therapy.com

CytoSorbents is an immunotherapy company commercializing its CE approved CytoSorb, a safe and effective cytokine adsorber. CytoSorb is designed to attenuate the dysregulated, hyperinflammatory response („cytokine storm“) present in SIRS and sepsis by reducing elevated levels of cytokines and other inflammatory mediators. CytoSorb is among other things indicated in hyperinflammatory states during and after cardiac surgery. So far it has been used safely in more than 12,000 treatments worldwide.

De Soutter Medical Limited

Booth No: 077

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Aylesbury, HP22 5WF, United Kingdom
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Email: david.walsh@de-soutter.com Web: www.de-soutter.com

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Delacroix-Chevalier

Booth No: 090-091

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Dendrite Clinical Systems Ltd — Booth No: 092

Suite 5, The Hub, Station Road
Henley-on-Thames, RG9 1AY, United Kingdom
Tel: +44 1491411288 Fax: +44 1491411377
Email: mtwycross@e-dendrite.com Web: www.e-dendrite.com

Dendrite Clinical Systems is a specialist supplier of cardiac database systems for hospitals and national registries, with installations in over 40 countries around the globe. Dendrite has published the series of EACTS Adult Cardiac Surgical Database Reports and developed, and is currently hosting, the EUROMACS Registry for collecting data on mechanical circulatory support devices. Dendrites flexible software can create a database for any clinical scenario and to track any outcome. Please visit our booth for a software demonstration.

EACTS-Euromacs and QUIP Programme — Booth No: 009

EACTS House, Madeira Walk
Windsor, SL4 1EU, United Kingdom
Tel: +44 1753832166
Email: info@eacts.co.uk Web: www.eacts.org

Euromacs is an association which maintains a register with the purpose of research of the outcomes of patients with a ventricular assist device (VAD) and patients with cardiac failure who have received a total artificial heart (TAH).

QUIP Programme

In 2012 EACTS established a Quality Improvement Programme (QUIP) to encourage improvement of clinical outcomes for patients, and to promote the importance of integrating quality improvement initiatives in to daily clinical practice. EACTS encourages members to get involved with the QUIP, as your support will lead to more quality improvement projects and will increase the difference we can make to our patients.

EACTS-The European Association For Cardio-Thoracic Surgery — Booth No: 113

EACTS House, Madeira Walk
Windsor, SL4 1EU, United Kingdom
Tel: +44 1753832166
Email: info@eacts.co.uk Web: www.eacts.org

EACTS is the largest European Association devoted to the practice of cardio-thoracic surgery. The main objective of the Association is to advance education in the field of cardio-thoracic surgery and to promote, for the public benefit, research into cardiovascular and thoracic physiology and therapy and to correlate and disseminate the useful results thereof.

Visit booth 113 for information on: membership, future meetings and all activities of EACTS. Journals:

EJCTS (European Journal of Cardio-Thoracic Surgery) ICVTS (Interactive Cardiovascular and Thoracic Surgery) and MMCTS (Multimedia Manual of Cardio-Thoracic Surgery).

Edwards Lifesciences — Booth No: 114 & Training Village Unit 8

Route de l'Etraz 70
Nyon, 1260, Switzerland
Tel: +41 227874367 Fax: +41 227874347
Email: Alexandra_Helmichova@edwards.com Web: www.edwards.com

Edwards Lifesciences is the global leader in the science of heart valves and hemodynamic monitoring. Driven by a passion to help patients, the company partners with clinicians to develop innovative technologies in the areas of structural heart disease and critical care monitoring that enable them to save and enhance lives. Additional company information can be found at edwards.com. Please visit our Edwards Lifesciences booth.

Eurosets SRL **Booth No: 120**

via Strada Statale 12, no 145,
Medolla (MO), 41036, Italy
Tel: +39 0535660315 Fax: +39 053551248
Email: catassi@eurosets.com Web: www.eurosets.com

Eurosets S.r.l. Italy is a leader manufacturer of medical devices for Cardiac Surgery. Located in the middle of the Italian biomedical district (Medolla MO). Product lines are: cardiopulmonary, blood management, orthopaedic drainage, oem, chest drainage, surgical support, wound management. “Innovation and Technology for a better Patient outcomes” is our mission.

Fehling Instruments GmbH & Co. KG **Booth No: 016-017**

Hanauer Landstr. 7A
Karlstein, 63791, Germany
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Email: ulrike_lindner@fehling-instruments.de Web: www.fehling-instruments.de

Fehling Instruments is a traditional family-owned enterprise in the field of surgical instruments. Continuously striving to improve function and economy of products has led to outstanding innovations in material and design. The introduction of ceramic technologies was a major step towards perfection of surgical instruments which are subject to abrasion.

Genesee BioMedical Inc **Booth No: 028**

700 W. Mississippi Avenue Unit D5
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Email: dfrahler@geneseebiomedical.com Web: 700 W Mississippi Avenue

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Getinge Group **Booth No: 110**

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Hamamatsu Photonics Deutschland GmbH **Booth No: 008**

Arzbergerstr. 10

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Heart and Health Foundation of Turkey **Booth No: 065**

Sair Esref Bulvari 1402 Sok. No:2/2 Ozbas Apt Alsancak,

Izmir, 35020, Turkey

Tel: +90 5055252772 Fax: +90 2324642470

Email: ozgeneris@tksv.org Web: www.tksv.org

The congress of update in Cardiology and Cardiovascular Surgery is organized by Heart and Health Foundation of Turkey (HHFT). The mission of HHFT is to contribute and to serve the human health especially to the heart related medical problems.

Heart Hugger / General Cardiac Technology **Booth No: 063**

6489 Camden Avenue Suite #106

San Jose, CA 95120, United States of America

Tel: +1 48083952100 Fax: +1 4083952113

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Heart Valve Society **Booth No: 018**

500 Cummings Center, Ste 4550,

Beverly, MA 01915, United States of America

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Email: skelley@prri.com Web: www.heartvalvesociety.org

An international Heart Team. Leaders in Evaluation, Management & Research.

HeartWare Inc **Booth No: 119 & Training Village Unit 2**

500 Old Connecticut Path

Framingham, MA 01701, United States of America

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HMT Medizintechnik GmbH **Booth No: 038**

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Integra **Booth No: 081**

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ISMICS-International Society for Minimally Invasive Cardio-Thoracic Surgery **Booth No: 012**

500 Cummings Center, Suite 4550

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2017 ISMICS Annual Scientific Meeting, 7-10 June 2017

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Johnson & Johnson Medical Ltd **Booth No: 099-101 & Training Village Unit 1**

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JOTEC GmbH **Booth No: 116C**

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JOTEC develops, manufactures and markets medical devices for vascular disease from the aortic arch down to the peripheral vessels. The extensive product portfolio comprises not only surgical and endovascular products but also the E-vita OPEN PLUS Hybrid Stent Graft System for FET procedures with a 10 years track record. Continuous product improvements and new developments aim to offer best possible solutions for both – patient and physician.

KLS Martin Group - Gebrueder Martin GmbH & Co KG **Booth No: 096-097**

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Tuttlingen, 78532, Germany

Tel: +49 7461706251 Fax: +49 746106193

Email: jennifer.moser@klsmartin.com Web: www.klsmartin.com

The KLS Martin Group is a manufacturer of high-quality products in surgery and medicine with the objective of creating surgical innovations. Our first-class products simplify the daily routine of surgeons all over the world since more than 90 years.

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Labcor Laboratorios Ltda **Booth No: 032**

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Belo Horizonte, Minas Gerais, 30460-000, Brazil

Tel: +55 22998168538 Fax: +55 03133711373

Email: cardiolink@cardiolink.es Web: www.labcor.com.br

Founded in 1984, Labcor is a world-renowned company that specializes in the manufacturing of biological prosthesis. Located in Belo Horizonte/ Brazil, the company is a national leader in the supply of cardiovascular Bioprosthesis and has already achieved over 150.000 implants of its heart valves throughout the world. Nowadays, Labcor distributes its CE Mark products in over 22 countries, mainly in Europe, Latin America and the Middle East.

LivaNova **Booth No: 111 & Training Village Unit 9**

Via Statale 12 Nord, 86

Mirandola, 41037, Italy

Tel: +39 3358268953 Fax: +39 0161487316

Email: Elisabetta.Gibertoni@livanova.com Web: www.livanova.com

LivaNova PLC, is a global medical technology company formed by the merger of Sorin S.p.A, a leader in the treatment of cardiovascular diseases, and Cyberonics. LivaNova transforms medical innovation into meaningful solutions for the benefit of patients, healthcare professionals, and healthcare systems. The Company employs approximately 4,600 employees worldwide and is headquartered in London, U.K. with a presence in more than 100 countries.

To learn more about LivaNova product portfolio and solutions, visit us at booth #111

LSI Solutions **Booth No: 030-031 & Training Village Unit 10**

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Oslo, NO-0579, Norway

Tel: +47 23059698 Fax: +47 23059661

Email: Camilla.hauge@medistim.com Web: www.medistim.com

Medistim is an innovator and market leader within intra-operative transit time flow measurement (TTFM) and ultrasound imaging. We develop, manufacture and bring to market the quality assessment devices MiraQ™, VeriQ C™ and VeriQ™. These devices enable medical professionals to reduce risk and enhance quality of cardiac, vascular and transplant surgery. Our TTFM technology became part of the ESC/EACTS guidelines on myocardial revascularization in 2010, and in 2011 our VeriQ TTFM system was recommended by the National Institute for Health and Clinical Excellence (NICE) for routine use within the UK national health system (NHS).

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Meril Life Sciences Pvt. Ltd **Booth No: 001-002**

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Meril is a global medical device company dedicated towards design and development of novel, clinically relevant, state-of-the-art and best-in-class devices to alleviate human suffering and improve the Quality of Life, spanning broad operational canvas from vascular interventional devices to orthopedics, in-vitro diagnostics and endo-surgery. We share an enduring commitment to advance healthcare solutions, so more patients live longer, healthier lives. We thus have a strong commitment towards R & D and adherence to best quality standards in Manufacturing, Scientific Communication and Distribution known today.

Mitral Academy **Booth No: 078**

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Email: m.moscarelli@imperial.ac.uk Web: themitralacademy.com

Mitral Academy is a non profit Italian company working in the field of minimal invasive cardiac surgery aiming to offer best mitral practice.

NeoChord **Booth No: 125 & Training Village 11**

5402 Parkdale Dr., Suite 160
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Tel: +1 9526987809 Fax: +1 9524676077
Email: jdonovan@neochord.com Web: www.neochord.com

Based in St. Louis Park, Minnesota, NeoChord is a medical technology company leading the advancement of minimally invasive, beating heart repair of degenerative mitral valve regurgitation. NeoChord received CE market clearance in December 2012 for the DS1000 system and has successfully treated over 400 patients to date.

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OpInstruments GmbH **Booth No: 019**

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OpInstruments GmbH provides a full range of surgical instruments, applying the quality management that conforms to ISO13485. The manufacture with precision machines by experienced engineers is a guarantee of our highest quality products that cover all types of surgery especially vascular surgery, cardio thoracic surgery, gynecology, orthopedic surgery and ENT. Headquartered in Europe, we have developed the Asian markets, i.e. China. We are pleased to welcome you at our stand.

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ReliantHeart **Booth No: 089**

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Smartcanula LLC **Booth No: 029**

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Tel: +41 213142279 Fax: +41 213202442

Email: info@smartcanula.com Web: www.smartcanula.com

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Somahlution **Booth No: 083-084**

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Spectrum Medical **Booth No: 121**

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St Jude Medical **Booth No: 115 & Training Village Unit 4**

St. Jude Medical Coordination Center, The Corporate Village, Avenue Da Vinci laan 11 - Box F1

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St. Jude Medical develops medical technology designed to put more control into the hands of those who treat cardiac, neurological and chronic pain patients worldwide. The company is dedicated to advancing the practice of medicine by reducing risk wherever possible and contributing to successful patient outcomes. Learn more at sjmprofessional.com.

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STS represents 7,200+ cardio-thoracic surgeons, researchers, and allied healthcare professionals worldwide who are dedicated to improving the lives of patients with heart and other cardio-thoracic diseases. STS offers member benefits, including subscriptions to The Annals of Thoracic Surgery, clinical practice guidelines, dynamic educational offerings, participation in the renowned STS National Database, and patient resources.

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Booth No: 051

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Symetis SA

Booth No: 127

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SynCardia Systems, Inc.

Booth No: 057

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Tel: +1 5205477471 Fax: +1 5209031783

Email: LNachtrab@syncardia.com Web: www.syncardia.com

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TeDan Surgical Innovations **Booth No: 042**

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Terumo **Booth No: 118 & Training Village Unit 5**

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Vascutek, a Terumo Company **Booth No: 118 & Training Village Unit 5**

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Tianjin, 300350, China

Tel: +86 2227592537 Fax: +86 2227592537

Email: tprimedical@yahoo.com Web: www.medplastic.com

Tianjin Plastics Research Institute Co., Ltd. established in 1965 and dedicates in cardioplegia disposable products. Our main products are extra-corporeal circuit products, arterial filter, blood reservoir, arterial & venous cannula, aortic root cannula and various components such as connectors, tubes, isolator, gas filter, clamps and so on.

Tianjin Welcome Medical Equipment Co Ltd **Booth No: 107**

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Tianjin, 300384, China

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Email: davidtao@tjwelcome.com Web: www.tjwelcome.com

Founded in 1993 and located in Tianjin, China, designs, manufactures and sells heart lung machines & water heater cooler. All products have CE mark and are sold to more than 200 hospitals in China and many other countries in the world.

Transonic Europe **Booth No: 066**

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Wexler Surgical Inc **Booth No: 086**

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Xenios AG **Booth No: 128**

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Xenios AG is a leading German medical device company offering a full range of product solutions for cardiac surgery and peripheral applications. Xenios AG focuses on the continuous development of innovative therapy solutions for cardiac surgeons and perfusionists. After two and a half decades Xenios is well established as a provider of products for extracorporeal organ support and organ replacement. Manufacturing in Germany, Xenios is present worldwide in order to ensure a personal contact to its customers.

Xenosys Co Ltd **Booth No: 060**

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Zimmer Biomet **Booth No: 087**

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Medtronic
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