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All courses to take place at EACTS House in Windsor, UK, unless stated otherwise.
# Level Plans

## Legend
- **G**: Entrance
- **2**: Hall
- **L**: Lift
- **P**: Pedestrian parking entrance
- **Toilets**
- **Disabled toilets**
- **Wardrobe**

## Index
- **4**: Auditorium (go to ground floor)
- **41**: Auditorium Balcony (go to first floor)
- **13**: Forum (go to ground floor)
- **8**: Europe Foyer 2 (go to ground floor)

## Foyers
- **3**: Art Room (go to ground floor)
- **16**: Emerald Room

## Lounges
- **2**: Auditorium Lounge (go to ground floor)
- **6**: Diamond Lounge (go to ground floor)
- **12**: Forum Lounge (go to ground floor)
- **15**: Emerald Lounge
- **17**: Upper Lounge
- **18**: Topaz Lounge

## Rooms
- **D301**: Rooms D301-D304 on level 3, near entrance D
- **D401**: Rooms D401-D408 on level 4, near entrance D
- **D501**: Rooms D501-D508 on level 5, near entrance D
- **E001**: Rooms E001-E002 on level 0, near entrance E
- **E101**: Rooms E101-E108 on this level, near entrance E
- **F001**: Rooms F001-F005 on level 0, near entrance F
- **G101**: Rooms G101-G111 on this level, near entrance G
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### Tuesday 6 October 2015

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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Room</th>
<th>Session Type</th>
<th>Pg</th>
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</thead>
<tbody>
<tr>
<td>08:15-11:45</td>
<td>Less invasive procedures for complex patients</td>
<td>Auditorium</td>
<td>Professional Challenge</td>
<td>65</td>
</tr>
<tr>
<td>08:15-09:45</td>
<td>Current challenges for extracorporeal life support</td>
<td>Forum</td>
<td>Abstract</td>
<td>66</td>
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<tr>
<td>08:15-09:45</td>
<td>Native and prosthetic valve endocarditis: An update</td>
<td>G104+G105</td>
<td>Abstract</td>
<td>67</td>
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<tr>
<td>08:15-09:45</td>
<td>Aortic valve disease and heart failure: How do they connect?</td>
<td>E104+E105</td>
<td>Focus Session</td>
<td>67</td>
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<tr>
<td>08:15-09:45</td>
<td>Revisiting the tricuspid valve</td>
<td>E106+E107</td>
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<tr>
<td>08:15-09:45</td>
<td>How to perform an effective surgical atrial fibrillation ablation</td>
<td>E102</td>
<td>Abstract Rapid Response</td>
<td>69</td>
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<tr>
<td>08:15-09:45</td>
<td>Tetralogy of Fallot</td>
<td>G106+G107</td>
<td>Abstract</td>
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<tr>
<td>08:15-09:45</td>
<td>Paediatric and congenital cardiac activities in emerging economies</td>
<td>F002</td>
<td>Focus Session</td>
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<tr>
<td>08:15-09:45</td>
<td>Thoracic oncology III: Postoperative follow up</td>
<td>E103</td>
<td>Abstract</td>
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<tr>
<td>08:15-09:45</td>
<td>Thoracic non oncology II</td>
<td>E108</td>
<td>Abstract</td>
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<td>Time</td>
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<tr>
<td>08:15-09:45</td>
<td>Inflammatory and infectious aortic disease: A difficult environment</td>
<td>G102+G103</td>
<td>Focus Session</td>
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<tr>
<td>08:15-09:45</td>
<td>A summary of essentials for your next research project</td>
<td>F003</td>
<td>Training in Research</td>
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<tr>
<td>08:15-09:45</td>
<td>Endoscopic port access mitral valve repair</td>
<td>F004</td>
<td>Simulation Session</td>
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<tr>
<td>10:15-11:45</td>
<td>Less invasive procedures for complex patients</td>
<td>Auditorium</td>
<td>Professional Challenge</td>
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<td>10:15-11:45</td>
<td>Is minimally invasive cardiac surgery the present and the future of mitral valve repair?</td>
<td>G104+G105</td>
<td>Focus Session</td>
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<tr>
<td>10:15-11:45</td>
<td>Perioperative complications in cardiac surgery</td>
<td>E104+E105</td>
<td>Focus Session</td>
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<tr>
<td>10:15-11:45</td>
<td>Functional mitral regurgitation</td>
<td>E106+E107</td>
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<tr>
<td>10:15-11:45</td>
<td>Valve surgery</td>
<td>G106+G107</td>
<td>Abstract</td>
<td>126</td>
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<tr>
<td>10:15-11:45</td>
<td>Session case report</td>
<td>E103</td>
<td>Abstract</td>
<td>108</td>
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<td>10:15-11:45</td>
<td>Lung transplantation</td>
<td>E108</td>
<td>Abstract</td>
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<tr>
<td>10:15-11:45</td>
<td>Clinical studies</td>
<td>F003</td>
<td>Training in Research</td>
<td>74</td>
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<tr>
<td>10:15-11:45</td>
<td>Nightmares in cardiothoracic surgery</td>
<td>Emerald Room</td>
<td>Focus Session</td>
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<tr>
<td>10:15-11:45</td>
<td>Endoscopic port access mitral valve repair</td>
<td>F004</td>
<td>Simulation Session</td>
<td>75</td>
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<tr>
<td>11:50-12:20</td>
<td>Honoured Guest Lecture</td>
<td>Auditorium</td>
<td>Plenary</td>
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<tr>
<td>12:25-12:35</td>
<td>EACTS Award Presentations</td>
<td>Auditorium</td>
<td>Plenary</td>
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<tr>
<td>12:35-12:40</td>
<td>Presidential Inauguration</td>
<td>Auditorium</td>
<td>Plenary</td>
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<tr>
<td>12:45-14:00</td>
<td>Residents’ Luncheon</td>
<td>Café Amsterdam</td>
<td>Plenary</td>
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<tr>
<td>14:15-15:45</td>
<td>Optimising outcomes in coronary surgery</td>
<td>G104+G105</td>
<td>Abstract</td>
<td>76</td>
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<tr>
<td>14:15-15:45</td>
<td>Left ventricular assist device: Latest advances</td>
<td>E104+E105</td>
<td>Abstract</td>
<td>77</td>
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<tr>
<td>14:15-15:45</td>
<td>Degenerative mitral regurgitation</td>
<td>E106+E107</td>
<td>Abstract</td>
<td>77</td>
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<tr>
<td>14:15-15:45</td>
<td>Cardiac general</td>
<td>E102</td>
<td>Abstract Rapid Response</td>
<td>78</td>
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<tr>
<td>14:15-15:45</td>
<td>Pilots and passengers after cardiac surgery: So you want to fly again?</td>
<td>F002</td>
<td>Focus Session</td>
<td>79</td>
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<tr>
<td>14:15-15:45</td>
<td>Challenging the options for younger patients - Minimising long-term risks with biological valves along the patient journey</td>
<td>Forum</td>
<td>Focus Session</td>
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<td>14:15-15:45</td>
<td>Infections and chylothorax</td>
<td>G106+G107</td>
<td>Focus Session</td>
<td>127</td>
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<tr>
<td>14:15-15:45</td>
<td>Guidelines</td>
<td>E103</td>
<td>Focus Session</td>
<td>110</td>
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<td>14:15-15:45</td>
<td>Basic science and education</td>
<td>E108</td>
<td>Abstract</td>
<td>110</td>
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<tr>
<td>14:15-15:45</td>
<td>Arch repair</td>
<td>G102+G103</td>
<td>Focus Session</td>
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<td>Time</td>
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<tr>
<td>14:15-15:45</td>
<td>Preoperative planning, simulation, 3D printing and intra-operative navigation in cardiothoracic surgery</td>
<td>Emerald Room</td>
<td>Focus Session</td>
<td>81</td>
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<tr>
<td>14:15-15:45</td>
<td>Endoscopic port access mitral valve repair</td>
<td>F004</td>
<td>Simulation Session</td>
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<tr>
<td>16:00-17:30</td>
<td>What is new in transcatheter aortic valve implantation</td>
<td>Auditorium</td>
<td>Abstract</td>
<td>81</td>
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<tr>
<td>16:00-17:30</td>
<td>Case reports &amp; videos</td>
<td>G104+G105</td>
<td>Abstract</td>
<td>83</td>
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<tr>
<td>16:00-17:30</td>
<td>Better outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement</td>
<td>E104+E105</td>
<td>Focus Session</td>
<td>84</td>
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<tr>
<td>16:00-17:30</td>
<td>New technology in mitral surgery</td>
<td>E102</td>
<td>Abstract Rapid Response</td>
<td>84</td>
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<td>16:00-17:30</td>
<td>A contemporary approach to the aortic valve and aortic root</td>
<td>E106+E107</td>
<td>Focus Session</td>
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<tr>
<td>16:00-17:45</td>
<td>Aortic valve replacement: Ever had any problems?</td>
<td>Forum</td>
<td>Focus Session</td>
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<tr>
<td>16:00-17:30</td>
<td>Congenital miscellaneous</td>
<td>G106+G107</td>
<td>Abstract</td>
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<td>16:00-17:30</td>
<td>Sublobar resections: Controversies</td>
<td>E103</td>
<td>Focus Session</td>
<td>112</td>
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<tr>
<td>16:00-17:30</td>
<td>Chest wall</td>
<td>E108</td>
<td>Abstract</td>
<td>112</td>
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<tr>
<td>16:00-17:30</td>
<td>Endoscopic port access mitral valve repair</td>
<td>F004</td>
<td>Simulation Session</td>
<td>86</td>
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<tr>
<td>09:00-12:30</td>
<td>Advance technique session on multiple arterial grafting</td>
<td>G106+G107</td>
<td>Advanced Techniques</td>
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<tr>
<td>09:00-12:30</td>
<td>A future without suture</td>
<td>G104+G105</td>
<td>Advanced Techniques</td>
<td>87</td>
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<tr>
<td>09:00-12:00</td>
<td>Controversies and catastrophes in adult cardiac surgery</td>
<td>G102+G103</td>
<td>Advanced Techniques</td>
<td>88</td>
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<tr>
<td>09:00-12:30</td>
<td>How to do it? With live in a box</td>
<td>Emerald Room</td>
<td>Advanced Techniques</td>
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<tr>
<td>09:00-10:30</td>
<td>Video session</td>
<td>G109</td>
<td>Advanced Techniques</td>
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<tr>
<td>09:00-10:30</td>
<td>Learn from the experts how to do a remodelling or a re-implantation procedure</td>
<td>E106+E107</td>
<td>Wetlab</td>
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<tr>
<td>09:00-12:00</td>
<td>Mitral Valve Repair</td>
<td>E104+E105</td>
<td>Wetlab</td>
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<tr>
<td>09:00-12:30</td>
<td>AoV reconstruction and Senning</td>
<td>E102</td>
<td>Wetlab</td>
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<td>09:00-10:30</td>
<td>VATS lobectomy</td>
<td>E103</td>
<td>Wetlab</td>
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<tr>
<td>10:30-12:00</td>
<td>Learn from the experts how to do a remodelling or a re-implantation procedure</td>
<td>E106+E107</td>
<td>Wetlab</td>
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Council

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Executive Secretariat
EACTS House
Madeira Walk
Windsor
Berkshire
SL4 1EU, UK
Tel: +44 (0)1753 832166
Fax: +44 (0)1753 620407
Email: info@eacts.co.uk
www.eacts.org
## Past Presidents

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<tr>
<th>Year</th>
<th>City</th>
<th>Name</th>
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<tbody>
<tr>
<td>1987</td>
<td>Vienna</td>
<td>Francis Fontan</td>
</tr>
<tr>
<td>1988</td>
<td>Bordeaux</td>
<td>Keyvan Moghissi</td>
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<td>1989</td>
<td>Munich</td>
<td>Fritz Sebening</td>
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<td>1990</td>
<td>Naples</td>
<td>Hans Huysmans</td>
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<td>1991</td>
<td>London</td>
<td>Maurizio Cotrufo</td>
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<td>1992</td>
<td>Geneva</td>
<td>Ramiro Rivera</td>
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<td>1993</td>
<td>Barcelona</td>
<td>Jaroslav Stark</td>
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<td>1994</td>
<td>The Hague</td>
<td>Armand Piwnica</td>
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<td>1995</td>
<td>Paris</td>
<td>Hans Borst</td>
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<td>1996</td>
<td>Prague</td>
<td>Antoon Lerut</td>
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<td>1997</td>
<td>Copenhagen</td>
<td>Ernst Wolner</td>
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<td>1998</td>
<td>Brussels</td>
<td>Eugène Baudet</td>
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<td>1999</td>
<td>Glasgow</td>
<td>David Wheatley</td>
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<td>2000</td>
<td>Frankfurt</td>
<td>Joachim Hasse</td>
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<td>2001</td>
<td>Lisbon</td>
<td>Marcos Murtra</td>
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<td>2002</td>
<td>Monaco</td>
<td>Marko Turina</td>
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<td>2003</td>
<td>Vienna</td>
<td>Walter Klepetko</td>
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<td>2004</td>
<td>Leipzig</td>
<td>James Monro</td>
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<td>2005</td>
<td>Barcelona</td>
<td>Torkel Åberg</td>
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<td>2006</td>
<td>Stockholm</td>
<td>Tom Treasure</td>
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<td>2007</td>
<td>Geneva</td>
<td>Siegfried Hagl</td>
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<td>2008</td>
<td>Lisbon</td>
<td>Paul Sergeant</td>
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<td>2009</td>
<td>Vienna</td>
<td>Erino Rendina</td>
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<td>2010</td>
<td>Geneva</td>
<td>Pascal R. Vouhé</td>
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<td>2011</td>
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<td>Ottavio R. Alfieri</td>
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<td>2012</td>
<td>Barcelona</td>
<td>Ludwig K. von Segesser</td>
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<td>2013</td>
<td>Vienna</td>
<td>Jose Luis Pomar</td>
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<tr>
<td>2014</td>
<td>Milan</td>
<td>Paul Van Schil</td>
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## Honorary Members

Robert H. Anderson, London, UK  
John R. Benfield, Los Angeles, USA  
Eugene H. Blackstone, Cleveland, USA  
Aldo Castaneda, Guatemala City, Guatemala  
Denton A. Cooley, Houston, USA  
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Francis Fontan, Bordeaux, France  
Valentin Fuster, Madrid, Spain  
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D. Craig Miller, Stanford, USA  
G. Alexander Patterson, St Louis, USA  
F. Griffith Pearson, Ontario, Canada  
Gaetano Thiene, Padua, Italy  
Stephen Spiro, London, UK  
Marko Turina, Zurich, Switzerland  
William Williams, Toronto, Canada  
Patrick Wouters, Genk, Belgium
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.

Award Ceremony
Presentation of annual meeting prizes will take place in the Auditorium on Tuesday 6 October at 12:25.

Breaks (Lunch and Refreshments)
Saturday 3 October
Techno College. Lunch and refreshment breaks are included in the delegate fee and will be available in the meeting room foyers.

Sunday 4 October – Wednesday 7 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 4:
Refreshment breaks 09:45–10:15. Lunch 13:00–13:45 – Foyer areas.

Monday 5 and Tuesday 6:
Refreshment break 09:45–10:15 and 15:45–16:00. Lunch 12:45–14:15 – Exhibition Halls

Wednesday 7:
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.iamsterdam.com/en for information on Amsterdam.

CME Credit Allowance
The Annual Meeting has been granted 27 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME). 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, 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 panel list.

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
Amsterdam RAI Hotel & Travel Service is the official housing agency appointed by EACTS as the exclusive agency to manage hotel accommodation for the 29th EACTS Annual Meeting.

RAI Hotel & Travel Service
P.O. Box 7777, NL – 1070 MS Amsterdam, The Netherlands.
Tel: +31 20 549 19 27

Warning: There are an increasing number of fraudulent websites that impersonate EACTS and the Annual Meeting. We would like to alert all our members and delegates to be aware of possible scams and to strongly advise them to only use the official EACTS housing agency for their 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 3 08:00–18:00
Sunday 4  08:30–16:30
Monday 5  08:15–17:30
Tuesday 6 08:15–17:30
Wednesday 7 09:00–12:00

Photographs and video recording
The use of any photographic or recording device during 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 Europe 2 Foyer and will be open as follows:
Friday 2 14:00–18:00
Saturday 3 07:00–19:00
Sunday 4  07:00–19:00
Monday 5  08:00–17:00
Tuesday 6 08:00–17:00
Wednesday 7 08:00–12:00
To avoid unnecessary delay, you are strongly recommended to register and collect meeting documentation on Friday 2 and Saturday 3 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 Residents’ Lunch, which is open to all Residents will be held on Tuesday 6 October 2015, in the Café Amsterdam. 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 4 October from 17:00 to 18:30. All registered delegates and exhibition visitors are welcome to attend.

Celebratory Evening
This year we will be hosting a Celebratory Evening at Het Scheepvaartmuseum (Maritime Museum) www.hetscheepvaartmuseum.nl on Tuesday 6 October, 19.30–24.00. Admission is by tickets only and must be purchased in advance. Price €90 per person and subject to availability.

Technical Exhibition
The Exhibition will take place in Halls 2 and 3 as follows:
Sunday 4 15:00–19:00
Monday 5 09:00–17:00
Tuesday 6 09:00–17:00

Training Village
The following organisations will be running hands-on sessions within the Training Village in Exhibition Hall 3: Edwards Lifesciences SA
Johnson & Johnson Medical SpA
Maquet
Medtronic International Trading Sàrl
Sorin Group Italia SRL
St Jude Medical
For further information regarding these, please contact the relevant organisations.

Transportation in Amsterdam

Venue
RAI Amsterdam (Entrance G), Europaplein 22, NL 1078 GZ, Amsterdam, the Netherlands.
Website: www.rai.nl
Getting there
The venue has excellent connections with the city centre via the underground system. The subway/railway Amsterdam RAI station is located a few steps from the main entrance. The subway reaches the venue grounds in approximately 15 minutes from Amsterdam Centraal Station.

The Amsterdam RAI stop also offers a direct train to Schiphol airport.

Metro: 51 (travelling time: 12 minutes, exit at the Amsterdam RAI station) or tram 4 (travelling time: 30 minutes, exit at the RAI Europaplein).

Bus Route: 15, 69 or 169, which will bring you to the RAI within 10 minutes (RAI Europaplein).

NO SMOKING POLICY
Smoking is strictly prohibited in all meeting, catering and foyer areas AT ALL TIMES.
<table>
<thead>
<tr>
<th>Time</th>
<th>Auditorium</th>
<th>Forum</th>
<th>G102+G103</th>
<th>G104+G105</th>
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<tbody>
<tr>
<td>08:00-10:35</td>
<td>Transcatheter aortic valve implantation/Aortic</td>
<td></td>
<td>09:00-12:30 Malignant pleural mesothelioma</td>
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<td>valve *</td>
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<td>Session 1: Diagnosis and Surgery</td>
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<tr>
<td>11:00-13:40</td>
<td>Heart failure/Aortic disease *</td>
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<tr>
<td>14:30-17:40</td>
<td>Atrioventricular valves *</td>
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<td>13:00-16:00 3D Technology*</td>
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<td>13:30-18:00 Malignant pleural mesothelioma</td>
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<td>Session 2: Outcome</td>
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* detailed times shown in Final Programme and on the APP
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<tbody>
<tr>
<td>08:15 - 09:45</td>
<td>Challenges in mitral valve repair</td>
<td>08:15 - 09:45</td>
<td>Basics in proximal thoracic aortic surgery: Session 1</td>
<td>08:15 - 09:45</td>
<td>Safer surgery for whom?</td>
<td>08:15 - 09:45</td>
<td>Update on hypoplastic left heart syndrome management</td>
<td>08:15 - 09:45</td>
<td>Pneumonec-ectomy controversies: What is the problem?</td>
<td>08:15 - 09:45</td>
<td>Nurse and Nurse Physician Postgraduate Programme</td>
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**Break**

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<tr>
<th>09:45 - 10:15</th>
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| 10:15 - 12:45 | Women in cardiac surgery |

**12:00 - 13:00**

* detailed times shown in Final Programme and on the APP
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>13:00 - 13:45</td>
<td>Break</td>
</tr>
<tr>
<td>13:45 - 15:15</td>
<td>Update on the results and rational and design of ongoing clinical trials*</td>
</tr>
<tr>
<td>13:45 - 14:45</td>
<td>Perfusion Postgraduate Programme</td>
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<tr>
<td>13:00 - 15:45</td>
<td>Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure</td>
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<tr>
<td>13:45 - 15:15</td>
<td>Congenital - Heart</td>
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<tr>
<td>13:45 - 15:45</td>
<td>Aortic valve substitutes: The long term view</td>
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<tr>
<td>14:45 - 15:45</td>
<td>Thoraco-abdominal aneurysms revisited: Session 4</td>
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<tr>
<td>14:45 - 16:15</td>
<td>Surgical film session</td>
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<tr>
<td>15:00 - 19:00</td>
<td>Exhibition opens</td>
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<tr>
<td>13:45 - 15:15</td>
<td>Management of acquired tracheal disorders: from stenosis to laceration</td>
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<tr>
<td>13:45 - 15:15</td>
<td>Quality improvement programme update</td>
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<tr>
<td>13:45 - 15:45</td>
<td>Women in cardiac surgery</td>
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<tr>
<td>Time</td>
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<tr>
<td>08:15</td>
<td><strong>Wire skills for the surgeon</strong></td>
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<td>08:15</td>
<td><strong>Work in progress</strong></td>
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<td>08:15</td>
<td><strong>Heart transplantation in the modern era</strong></td>
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<td>08:15</td>
<td><strong>Arch involvement in acute aortic dissection: A surgical challenge - EACTS/STS</strong></td>
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<td>08:15</td>
<td><strong>Endocarditis: A continuous dilemma</strong></td>
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<tr>
<td>08:15</td>
<td><strong>A lifetime living with transposition of the great arteries - Part I</strong></td>
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<td>08:15</td>
<td><strong>Reducing invasiveness</strong></td>
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<td>08:15</td>
<td><strong>Thoracic oncology I: Staging</strong></td>
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<td>08:15</td>
<td><strong>Risk models in coronary surgery</strong></td>
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<td>08:15</td>
<td><strong>Non oncology I</strong></td>
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<tr>
<td>08:15</td>
<td><strong>Endoscopic port access mitral valve repair</strong></td>
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<tr>
<td>08:15</td>
<td><strong>Reducing invasiveness</strong></td>
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<tr>
<td>09:45</td>
<td><strong>Break</strong></td>
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<tr>
<td>10:15</td>
<td><strong>Wire skills for the surgeon</strong></td>
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<td>10:15</td>
<td><strong>Meet the experts</strong></td>
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<td>10:15</td>
<td><strong>Left ventricle - strategies in left ventricular moderations</strong></td>
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<td>10:15</td>
<td><strong>Uncertainties in the treatment of chronic dissection: EACTS/STS</strong></td>
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<td>10:15</td>
<td><strong>Aortic valve replacement: What is new?</strong></td>
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<td>10:15</td>
<td><strong>A lifetime living with transposition of the great arteries and left ventricular outflow tract obstruction - Part II</strong></td>
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<td>10:15</td>
<td><strong>Basic science I</strong></td>
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<td>10:15</td>
<td><strong>Supporting the heart and lung</strong></td>
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<td>10:15</td>
<td><strong>Thoracic oncology III: Perioperative management</strong></td>
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<td>10:15</td>
<td><strong>Cardiac general</strong></td>
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<td>10:15</td>
<td><strong>Avoiding disasters in cardiac surgery</strong></td>
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<td>10:15</td>
<td><strong>Minimal invasive surgery for lung cancer: Up to date</strong></td>
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<td>10:15</td>
<td><strong>EACTS cardio-thoracic masters - Jeopardy</strong></td>
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<tr>
<td>10:15</td>
<td><strong>All you need to know for your next research project</strong></td>
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<tr>
<td>09:45</td>
<td><strong>Endoscopic port access mitral valve repair</strong></td>
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<tr>
<td>10:15</td>
<td><strong>Endoscopic port access mitral valve repair</strong></td>
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<tr>
<td>11:50</td>
<td><strong>President Address - Auditorium</strong></td>
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<tr>
<td>12:45</td>
<td><strong>Lunch, Visit Exhibition, Satellite Sessions</strong></td>
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<tr>
<td>12:45</td>
<td><strong>Cardiac Surgery Residents - where do we come from and where are we heading - F002</strong></td>
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<tr>
<td>14:15-15:45</td>
<td>Joint Session EACTS SBCCV PASCaTS - cardio-thoracic surgery</td>
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</tbody>
</table>

**15:45-16:00 Break**

| 16:00-17:30 | The two faces of arterial revascularisation | 16:00-17:30 | Live-heart-team of complex pathologies | 16:00-17:30 | A 4D view of the aortic root | 16:00-17:30 | Transcatheter mitral valve replacement: New valves and experiences | 16:00-17:30 | Fontan circulation | 16:00-17:30 | Transcatheter mitral valve replacement: New valves and experiences | 16:00-17:30 | Thoracic rapid response session | 16:00-17:30 | TNM classification: 8th edition | 16:00-17:30 | Fast-Track management | 16:00-17:30 | Results of Ross procedures and homografts in aortic surgery | 16:00-17:30 | How to statistically analyse your next research project | 16:00-17:30 | Endoscopic port access mitral valve repair |

| 18:00-18:30 | EACTS General Assembly |

**Acquired Cardiac Disease** | **Thoracic Disease** | **Congenital Disease** | **Vascular Disease** | **All Domains**
<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:15-09:45</td>
<td>Less invasive procedures for complex patients</td>
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<td>08:15-09:45</td>
<td>Current challenges for extracorporeal life support</td>
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<td>08:15-09:45</td>
<td>Inflammatory and infectious aortic disease: A difficult environment</td>
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<td>08:15-09:45</td>
<td>Native and prosthetic valve endocarditis: An update</td>
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<td>08:15-09:45</td>
<td>Tetralogy of Fallot</td>
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<td>08:15-09:45</td>
<td>How to perform an effective surgical atrial fibrillation ablation</td>
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<td>08:15-09:45</td>
<td>Thoracic oncology II: Postoperative follow up</td>
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<tr>
<td>08:15-09:45</td>
<td>Aortic valve disease and heart failure: How do they connect?</td>
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<td>08:15-09:45</td>
<td>Revisiting the tricuspid valve</td>
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<td>08:15-09:45</td>
<td>Paediatric and congenital cardiac activities in emerging economies</td>
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<tr>
<td>08:15-09:45</td>
<td>Endoscopic port access mitral valve repair</td>
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<tr>
<td>09:45 - 10:15</td>
<td>Break</td>
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<tr>
<td>10:15-11:45</td>
<td>Less invasive procedures for complex patients</td>
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<tr>
<td>10:15-11:45</td>
<td>Nightmares in cardiothoracic surgery</td>
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<td>10:15-11:45</td>
<td>Acute extracorporeal support and mechanical circulatory assist</td>
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<td>10:15-11:45</td>
<td>Valve surgery</td>
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<td>10:15-11:45</td>
<td>Innovation and new strategies in thoracic aortic surgery</td>
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<td>10:15-11:45</td>
<td>Session case report</td>
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<tr>
<td>10:15-11:45</td>
<td>Perioperative complications in cardiac surgery</td>
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<td>10:15-11:45</td>
<td>Functional mitral regurgitation</td>
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<tr>
<td>11:50 - 12:20</td>
<td>Honoured Guest Lecture - Auditorium</td>
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<tr>
<td>12:25-12:35</td>
<td>EACTS Award Presentations</td>
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<td>12:35-12:40</td>
<td>Presidential Inauguration</td>
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<td>12:45-14:00</td>
<td>Residents’ Luncheon, Café Amsterdam</td>
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<tr>
<td>12:45-14:00</td>
<td>Lunch, Visit Exhibition, Satellite Sessions</td>
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**Tuesday 6 October 2015 - Scientific Programme, Professional Challenges and Focus Sessions**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:15-15:45</td>
<td>Live transcatheter aortic valve replacement</td>
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<td>14:15-15:45</td>
<td>Preoperative planning, simulation, 3D printing and intra-operative navigation in cardiothoracic surgery</td>
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<tr>
<td>14:15-15:45</td>
<td>Challenging the options for younger patients - Minimising long-term risks with biological valves along the patient journey</td>
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<tr>
<td>14:15-15:45</td>
<td>Arch repair</td>
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<td>14:15-15:45</td>
<td>Optimising outcomes in coronary surgery</td>
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<td>14:15-15:45</td>
<td>Infections and chylothorax</td>
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<td>14:15-15:45</td>
<td>Cardiac general</td>
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<td>14:15-15:45</td>
<td>Guidelines</td>
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<td>14:15-15:45</td>
<td>Left ventricular assist device: Latest advances</td>
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<td>14:15-15:45</td>
<td>Degenerative mitral regurgitation</td>
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<td>14:15-15:45</td>
<td>Basic science and education</td>
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<td>14:15-15:45</td>
<td>Pilots and passengers after cardiac surgery: So you want to fly again?</td>
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<tr>
<td>14:15-15:45</td>
<td>Endoscopic port access mitral valve repair</td>
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**Tuesday 6 October 2015 - Scientific Programme, Professional Challenges and Focus Sessions**

### Auditorium | Emerald Room | Forum | G102+G103 | G104+G105 | G106+G107 | E102 | E103 | E104+E105 | E106+E107 | E108 | F002 | F004
---|---|---|---|---|---|---|---|---|---|---|---|---|---

15:45 - 16:00 Break

16:00-17:30 | What is new in transcatheter aortic valve implantation                   |
16:00-17:45 | Aortic valve replacement: Ever had any problems?                         |
16:00-17:30 | Case reports & videos                                                    |
16:00-17:30 | Congenital miscellaneous                                                  |
16:00-17:30 | New technology in mitral surgery                                          |
16:00-17:30 | Better outcomes through optimising international normalised ratio manage-ment and anticoagulation in aortic valve replacement |
16:00-17:30 | A contemporary approach to the aortic valve and aortic root             |
16:00-17:30 | Chest wall                                                               |
16:00-17:30 | Endoscopic port access mitral valve repair                               |
### Wednesday 7 October 2015 - Advanced Techniques

<table>
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<tr>
<th>Time</th>
<th>Emerald Room</th>
<th>G102+G103</th>
<th>G104+G105</th>
<th>G106+G107</th>
<th>G109</th>
<th>E102</th>
<th>E103</th>
<th>E104+E105</th>
<th>E106+E107</th>
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<tbody>
<tr>
<td>09:00 - 12:30*</td>
<td>How to do it: With live-in-a-box</td>
<td>09:00 - 12:00* Controversies and catastrophes in adult cardiac surgery</td>
<td>09:00 - 12:30* A future without suture</td>
<td>09:00 - 12:30* Advance technique session on multiple arterial grafting</td>
<td>09:00 - 10:30* Video session</td>
<td>09:00 - 12:30* AoV reconstruction and Senning</td>
<td>09:00 - 10:30* VATS lobectomy</td>
<td>09:00 - 12:00* Mitral Valve Repair</td>
<td>09:00 - 12:00* Learn from the experts how to do a remodelling or a re-implantation procedure</td>
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</table>

* detailed times shown in Final Programme and on the APP
Acquired Cardiac Disease Domain Programme
Acquired Cardiac Disease Domain Programme

Chair: Volkmar Falk, Berlin, Germany
Michele De Bonis, Milan, Italy
Christoph Huber, Berne, Switzerland
Jolanda Kluin, Amsterdam, The Netherlands
Thomas Modine, Lille, France
J. Rafael Sadaba, Pamplona, Spain
Matthias Siepe, Freiburg, Germany
Rashmi Yadav, London, UK
Raili Ermel, Tartu, Estonia

08:00-10:30 Techno College

Transcatheter aortic valve implantation/Aortic valve

Moderators: G. Dahle, Oslo; C. Huber, Berne; H. Treede, Halle; T. Walther, Bad Nauheim

Welcome
M. Grabenwöger, Vienna; T. Walther, Bad Nauheim

Valve in valve – different clinical experiences
V. Bapat, London

Live presentation imaging/assessment
W. Kim, Bad Nauheim; H Schrofel, Freiburg

Video guided sutureless aortic valve replacement
L. Salvador, Vicenza

Direct aortic transcatheter aortic valve implantation and multivessel off-pump coronary artery bypass graft
H. Bushnaq, Halle

Transcarotid transcatheter aortic valve implantation
M. Angioi; T. Folliguet, Vandoeuvre les Nancy

Minimally invasive direct coronary artery bypass plus transapical transcatheter aortic valve implantation
H. Treede, Halle

Direct video assessment after aortic valve repair prior to crossclamp release
K. Tsagakis, Essen

Transcervical transcatheter aortic valve implantation
O. Dapunt, Oldenburg

Automatic pre-closure system for transapical access
A. Cheung, Vancouver

Live surgery
Direct aortic access transcatheter aortic valve implantation with recapturable valve
T. Modine, Lille

Transapical low profile procedure
D. Holzhey, Leipzig
Heart failure/aortic disease

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

New Technology Award Presentation

B. Rylski, Freiburg

Totally thoracoscopic left atrial appendage exclusion – stand alone and concomitant to hybrid ablation

P. Suwalski; S. Stec, Warsaw

Frozen elephant trunk in Type A dissection

M. Grabenwöger, Vienna; M. Shrestha, Hannover

Simplified David procedure

T. Modine, Lille

New left ventricular assist device implantation 3D
I. Netuka, Prague

New left ventricular assist device implantation 3D
J. Schmitto, Hannover

Hybrid 2-stage repair of thoracoabdominal aneurysm

R. Di Bartolomeo, Bologna

Tissue engineered valves (ARISE Study)

J. L. Pomar, Barcelona

Hybrid case of sutureless aortic valve replacement and percutaneous coronary intervention 3D

A. Miceli, Milan

Video assisted endoscopic ablation and left atrial appendage closure 3D

N. Doll, Stuttgart; T. Kuntze, Bad Berka

Minimally invasive implantation of a new biological pericardial valve 3D

M. Misfeld, Leipzig

Live surgery

Parachute left ventricular exclusion with MitraClip 3D ECHO 3D

L. Conradi; U Schaefer, Hamburg

Keynote Presentation

New techniques from concept to clinical practice

M. J. Mack, Plano
Atrioventricular valves

Moderators: N. Moat, London; T. Folliguet, Vandoeuvre les Nancy; M. J. Mack, Plano; P. Suwalski, Warsaw

Focus on atrioventricular valve disease – what is different?

V. Falk, Berlin

Tricuspid bicuspidalization

N. Moat, London

Suture based tricuspid annuloplasty

A. Latib, Milan

Transcatheter tricuspid valve implantation

A. Uebing, London

Tricuspid annuloplasty with caval tether

P. Denti, Milan

Mitral bridge implantation in a patient with functional mitral regurgitation

V. Subramanian, New York; S Cerny, Prague

Transapical closed annuloplasty ring implantation

E. Raanani, Tel Aviv

Transapical mitral valve implantation with leaflet capture – a

M. J. Mack, Plano

Transapical mitral valve implantation with leaflet capture – b

A. Cheung, Vancouver

Transapical mitral valve implantation with annular anchoring

L. Søndergaard, Copenhagen

Transapical mitral valve implantation with apical tether

N. Moat, London

Transcatheter mitral valve implantation using ‘conventional’ transcatheter aortic valve implantation valves, surgically

C. Huber, Berne

Experience with a repositionable prosthesis for direct mitral valve implantation

A. Latib, Milan

Transcatheter mitral valve implantation transapically using ‘conventional’ transcatheter aortic valve implantation valves

P. Kiefer, Leipzig

Minimally invasive mitral repair for complex bileaflet disease using a new ring for chordal replacement (3D)

M. Glauber, Milan

Live surgery

Transcatheter adjustable annuloplasty with 3D Echo

F. Maisano, Zurich

Totally endoscopic mitral valve repair with endoclamp and 3D Echo

J. Kempfert, Berlin
Challenges in mitral valve repair: Part I

**Moderators:** F. Mohr, Leipzig; A. Cobanoglu, Portland

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

*Panel P Perier, Bad Neustadt/Saale, S. Livesey, Southampton, L. Müller, Innsbruck, R. Klautz, Leiden, P. Suwalski, Warsaw*

Timings in this session are subject to change depending on live surgery

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

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

**08:55**
Discussion

**09:00**
Tailoring neochordal repair
*S. Livesey, Southampton*

**09:10**
Discussion

**09:15**
3D vision: Added value for minimally invasive?
*L. Müller, Innsbruck*

**09:25**
Discussion

**09:30**
How to achieve optimal exposure in minimally invasive cardiac surgery
*P. Suwalski, Warsaw*

**09:40**
Discussion

**09:45**
Break

**10:15**
The optimal repair in Barlows disease
*R. Klautz, Leiden*

**10:25**
Discussion

**10:30**
Anatomy and physiology aspect for mitral valve repair
*Y. Taverne, Rotterdam*

**10:40**
Discussion

**10:45**
How to handle systolic anterior motion
*M. Castella, Barcelona*
10:55
Discussion

11:00
Endoclamping versus transthoracic clamping in minimally invasive mitral repair – benefits and risks
*J. Kempfert, Berlin*

11:10
Discussion

11:15
Robotic MVR – does it facilitate MVR
*R. Poffo, São Paulo*

11:25
Discussion

11:30
Wrap up

---

08:15-11:45 Focus Session

**Safer surgery for whom?**

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

*Panel: S. Westaby, Oxford; B. Leigh, London; E. Quintana, Barcelona; M. Reardon, Houston*

08:15
Case presentations
*M. Jahangiri, London*

08:25
Unmeasured confounders: the pitfalls just using data to monitor outcomes
*D. Pagano, Birmingham*

08:40
Quality and safety in cardiothoracic surgery clinics in the Netherlands results of an investigation by the Netherlands Health Care Inspectorate in 2014.
*I. M. Hellemans, Utrecht*

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

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

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

09:35
Discussion

09:45
Break

10:15
Results under scrutiny. Can we train safely?
*E. Quintana, Barcelona*
10:30 Risk avoiding strategy – is it good for the patient?
B. Van Straten, Oirschot

10:45 Does adherence to guidelines improve outcomes?
M. Sousa Uva, Lisbon

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

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

11:25 Discussion

10:15-11:45 Focus Session

Quality improvement
Moderators: D. Pagano, Birmingham; B. Keogh, London; J. F. Gummert, Bad Oeynhausen

Learning objectives:
Learn how to design a quality improvement programme using and analysing data to improve outcomes.

10:15 Setting the standards for a quality based programme
B. Keogh, London

10:25 Discussion

10:30 Using data to improve outcomes
10:40 Discussion
D. Pagano, Birmingham

10:45 What can we learn from CUSUM analysis?
T. Treasure, Badlesmere

10:55 Discussion

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

11:10 Discussion

11:15 Retraining and team learning
M. Mack, Plano

11:25 Discussion
10:15-11:45 Abstract Rapid Response Session E102

Transcatheter aortic valve implantation versus surgical aortic valve replacement


Learning objectives:
Compare outcomes between transcatheter aortic valve implantation versus surgical aortic valve replacement.
Impact of transcatheter aortic valve implantation on surgical outcomes.

10:15
Does transcatheter aortic valve replacement improve outcomes compared to surgery in patients with severe aortic stenosis and renal dysfunction? A propensity matched study
C. Muneretto, Brescia; O. Alfteri, Milan; M. De Bonis, Milan; A. Repossini, Brescia; L. Di Bacco, Brescia; R. Di Bartolomeo, Bologna; G. Bisleri, Brescia; T. Folliguet, Vandoeuvre les Nancy

10:24
Aortic valve replacement via ministernotomy versus transcatheter aortic valve implantation – which approach is the gold standard in a moderate risk group?
N. Furukawa, Bad Oeynhausen; O. Kuss, Düsseldorf; S. Scholtz, Bad Oeynhausen; W. Scholtz, Bad Oeynhausen; T. Becker, Bad Oeynhausen; S. Ensminger, Bad Oeynhausen; J. Gummert, Bad Oeynhausen; J. Börgermann, Bad Oeynhausen

10:33
Redo aortic valve replacements in the transcatheter aortic valve implantation era
D. Spiegelstein; N. Gutman; A. Hamdan; A. Kogan; L. Sternik; B. Orlov; A. Lipey; E. Raanani, Ramat Gan

10:42
Results of surgical aortic valve replacement in octogenarians turned down for transcatheter aortic valve replacement by the multidisciplinary heart team
S. Mohammadi; E. Dumont; J. Rodés-Cabau; P. Voisine; D. Doyle; E. Charbonneau; F. Dagenais; D. Kalavrouziotis, Quebec City

10:51
Comparison between aortic valve replacement with rapid deployment valve and transfemoral transcatheter aortic valve implantation in the ‘grey zone’ patients with severe aortic stenosis
P. Bruno; A. Di Cesare; M. Nesta; F. Burzotta; C. Colizzi; F. Crea; C. Trani; M. Massetti, Rome

11:00
Cardiac surgery after failed transcatheter aortic valve implantation: National experience
D. Spiegelstein, Ramat Gan; I. Ferstenfeld, Ramat Gan; A. Korach, Jerusalem; S. Silberman, Jerusalem; G. Bolotin, Haifa; E. Sharoni, Haifa; G. Sahar, Beer Sheva; E. Raanani, Ramat Gan
11:09
Impact of liver function on clinical outcome in patients undergoing transcatheter aortic valve implantation
D. Wendt, Essen; P. Kahlert, Essen; A. Canbay, Essen; G. Cremer, Essen; F. Al-Rashid, Essen; M. Thoenes, Oberägri; H. Jakob, Essen; M. Thielmann, Essen

11:18
Risk factors for permanent pacemaker after implantation of surgical or percutaneous self-expanding aortic prosthesis
E. Villa, Brescia; A. Clerici, Milan; A. Messina, Brescia; L. Testa, Milan; F. Bedogni, Milan; A. Moneta, Milan; F. Donatelli, Milan; G. Troise, Brescia

11:27
Simultaneous transcatheter aortic valve implantation and off-pump revascularization
S. Ahad; S. Hill; T. Schaeufele; A. Ursulescu; R. Nagib; H. Von Loewensprung; U. Franke; H. Baumbach, Stuttgart

11:36
Transapical aortic valve implantation versus surgical aortic valve replacement in a prospective randomised trial: Comparable health-related quality-of-life in low-risk patients
C. Rex; J. Heiberg; V. Hjortdal, Aarhus

11:55-13:15  Plenary Session

CanBetter: optimising training programs in Cardio-thoracic surgery
Moderators: T. Graham, Birmingham - E. Verrier, Seattle

Learning objectives:
Gaining insight in issues regarding training in cardio-thoracic surgery.

11:55
Measuring professional performance
M.J.M.H. Lombarts, Amsterdam

12.10
Discussion

12.15
Training residents in patient safety: a patient is not an airplane
J.M. Hamming, Leiden

12.30
Discussion

12.35
Stressful work: psychological job strain and other work-related outcomes among medical residents
J. K. Sluiter, Amsterdam

12.50
Discussion

12.55
Increasing efficiency of surgical training: the introduction of CanMeds in the Netherlands
A.P. Kappetein, Rotterdam

13.10
Discussion
13:45-15:45 Perfusion Session 3
Mechanical circulatory support
Moderators: J. Horisberger, Le Mont sur Lausanne; G. Tenderich, Duisburg

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

14:15
New concepts in total artificial heart
G. Tenderich, Duisburg

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

13:15-16:15 Focus Session

Update on the results and rational and design of ongoing clinical trials
Moderators: A. P. Kappetein, Rotterdam; V. Falk, Berlin
Panel: R. Kramer, Portland; H. G. Jakob, Essen; R. Lange, Munich; J. Kempfert, Berlin; M. J. Antunes, Coimbra; T. M. Sundt, Boston; D. Fullerton, Aurora

Learning objectives:
Describe and generalise findings from landmark clinical trials to the contemporary management of cardiovascular disease
To disseminate information on the rationale and design of ongoing clinical trials in cardiovascular disease management

13:15
Transcatheter versus surgical aortic valve replacement in patients with severe aortic valve stenosis. Results from the all-comers NOTION randomised clinical trial
H. Thyregod, Copehagen

13:20
Discussion

13:25
A randomised comparison of self-expanding transcatheter and surgical aortic valve replacement in patients with severe aortic stenosis deemed at increased risk for surgery
D. H. Adams, New York

13:30
Discussion

13:35
Outcomes at 30 days with the SAPIEN 3 transcatheter aortic valve replacement system in inoperable, high-risk and intermediate-risk aortic stenosis patients
N. Desai, Philadelphia

13:40
Discussion

13:45
Results of a randomised trial of long term clinical outcomes and patencies of radial artery versus right internal thoracic artery or saphenous vein
B. Buxton, Melbourne
13:50 Discussion

13:55 A controlled randomised trial of a sutureless heart valve versus standard bioprosthesis in the surgical treatment of aortic valve disease; rational and design
T. Fischlein, Nuremberg

14:00 Discussion

14:05 What every cardiac surgeon should know of the latest results of clinical trials with novel antithrombotic agents
F. Verheugt, Amsterdam

14:10 Discussion

14:15 POL-MIDES: Hybrid revascularization for multi-vessel coronary artery disease
M. Zembala, Tarnowskie Góry

14:20 Discussion

14:25 Surgical ablation of atrial fibrillation during mitral-valve surgery
J. Derose, New York

14:30 Discussion

14:35 Study design and update on the COATP trial; Mitraclip versus standard of care
M. Mack, Plano

14:40 Discussion

14:45 Rationale and design of FAME 3 trial: A comparison of fractional flow reserve-guided percutaneous coronary intervention and coronary artery bypass graft surgery in patients with multivessel coronary artery disease
N. Pijls, Eindhoven

14:50 Discussion

14:55 Surgical treatment of moderate ischemic mitral regurgitation
R. Weisel, Toronto

15:00 Discussion

15:05 Liberal or restrictive transfusion after cardiac surgery
G. Murphy, Leicester

15:10 Discussion

15:15 A randomised trial of continuous postoperative pericardial flushing to reduce postoperative blood loss
D. Koolbergen, Amsterdam
15:20 Discussion
15:25 Five year outcome of the Partner trial: Transcatheter aortic valve replacement, standard treatment or surgical aortic valve replacement for inoperable or high surgical risk patients with aortic stenosis
M. Mack, Plano

15:30 Discussion
15:35 Relation between frailty and outcomes after transcatheter aortic valve replacement;
S. Arnold, Kansas City

15:40 Discussion
Adult heart transplantation with distant procurement and ex-vivo preservation of donor hearts after circulatory death
K. Dhital, Sydney

15:50 Discussion
15:55 Will bio-absorbable scaffolds close the gap between percutaneous coronary intervention and coronary artery bypass graft
P. Serruys, Rotterdam

16:00 Discussion
16:05 Rationale and design of a randomised study comparing different solutions of cardioplegia
T. Doenst, Jena

13:45-15:45 Focus Session G104+G105

Extracorporeal life support devices and strategies for management of acute cardiorespiratory failure
Moderators: R. Lorusso, Maastricht; G. J. R. Whitman, Baltimore

Learning objectives:
Recognise the need for, state proper indications for, discuss potential complications of, and demonstrate appropriate initial stabilisation of patients with critical cardiac and respiratory disease.

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

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

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

Acquired Cardiac Disease 33 Sunday 4 October 2015
14:18
Which patients require extracorporeal life support in acute respiratory distress syndrome?
J. Swol, Kronach

14:29
New devices: What’s coming
S. Clark, Newcastle-upon-Tyne

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

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

15:02
Extracorporeal life support as a bridge to bridge device
M. Kirsch, Paris

13:45 - 15:15 Quality Improvement Programme Update
Moderators: D. Pagano, Birmingham; B. Keogh, London

13:45
Importance of data collection in modern health care systems
B. Keogh, London

14:00
Euromacs
J. Gummert, Bad Oeynhausen

14:10
Progress on development of the international benchmarking tool
S. Head, Rotterdam

14:20
Discussion

14:30
Overview of Adult Database project to date
D. Pagano, Birmingham

14:40
Discussion

14:50
Overview of the STS database, present and future
J. Jacobs, Florida

15:00
Discussion

15:10
Wrap-up
D. Pagano, Birmingham
Aortic valve substitutes: The long term view

Moderators: T. Carrel, Berne; S. Cebotari, Hannover

Learning objectives:
Long term outcome of surgical aortic valve replacement. Comparative performance between different prostheses.

13:45
Mitroflow LXA structural deterioration following aortic valve replacement: A single centre experience
K. Diplaris; N. Amabile; N. Khellil; G. Lauria; P. Dervanian; E. Lansac; M. Debauchez; K. Zannis, Paris

13:54
Long term follow-up after implantation of Shelhigh® aortic valve conduit
D. Reineke, Berne; A. Kaya, Nieuwegein; P. Heinisch, Berne; B. Winkler, Berne; C. Huber, Berne; W. Morshuis, Nieuwegein; T. Carrel, Berne; L. Englberger, Berne

14:03
Comparison of mid-term hemodynamic performance between the BioValsalva and Biointegral valved conduit after aortic root replacement
A. Raweh; D. Wendt; M. Eissmann; J. Benedik; K. Tsagakis; H. Jakob, Essen

14:12
Exercise hemodynamic comparison of freestyle, magna ease, and trifecta aortic bioprostheses
D. Bach; H. Patel; T. Kolas; G. Deeb, Ann Arbor

14:21
Freestyle root replacement improves haemodynamics and exercise capacity in young (< sixty years) patients: Results from a stress echocardiographic study.
M. Pettinari; P. Bertrand; H. Gutermann; C. Van Kerrebroeck; R. Dion, Genk

14:30
Long term outcome after aortic valve replacement: Insight in the last European and American guidelines
A. Colli; L. Besola; E. Bizzotto; E. Manzan; F. Zucchetta; D. Gregori; G. Gerosa, Padua

14:39
Real life experience with the Mitroflow aortic pericardial heart valve up to three years: Results from an interim analysis in 334 patients
J. Defraigne, Liège; M. Bentala, Breda; P. Petrov, Burgas; F. Sabol, Košice; J. Marnette, Namur; A. Leguerrier, Rennes; L. Camilleri, Clermont-Ferrand; F. Pelissier, Caluire-et-Cuire

14:48
Impact of aortic root preservation on prosthesis durability in patients undergoing ascending aorta and aortic valve replacement with Carpentier Edwards aortic bioprosthesis: a propensity score based study
S. Cebotari; F. Ius; M. Roumieh; I. Ismail; I. Tudorache; F. Fleissner; A. Haverich, Hannover

14:57
Mitroflow and PERIMOUNT Magna: Ten years’ outcome. A direct propensity match analysis to assess re-intervention rate and long follow up mortality
C. Taddeo; T. Theologou; M. Field, Liverpool

15:06
Aortic valve replacement with mechanical prostheses: Over twenty years’ experience in a single institution
S. Mastrobuoni; L. De Kerchove; P. Astarci; E. Navarra; S. Solari; A. Poncelet; P. Noirhomme; G. El Khoury, Brussels
13:45-15:15  Focus Session  
G109

Basic Science – Heart  
*Moderators: H. J. Ankersmit, Vienna; A. Martens, Hannover*

13:45
*Alpha gal immune response in biovalve recipients*
H. J. Ankersmit, Vienna

14:07
*Cell-based cardiac regeneration therapy: individualized patient data meta-analysis*
M. Pavone-Gyöngyösi, Vienna

14:29
*Tissue engineering and basic science*
A. Martens, Hannover

14:51
*Basic science and regeneration: miRNA and biomaterials for cardiac regeneration*
M. Gnecchi, Pavia

13:45-15:45  Focus Session  
F003

Women in cardiac surgery  
*Moderators: M. Shrestha, Hannover*

**Learning objectives:**
To discuss problems faced in order to make cardiac surgery attractive for women medical graduates, especially in view of the acute shortage of young surgeons in cardiac surgery.

13:45
*Introduction*
M. Grabenwöger, Vienna

13:50
*Balancing the family and cardiac surgery*
E. Roost, Berne

13:55
*Discussion*

14:00
*Making cardiac surgery family friendly: What have we done so far?*
J. Tomkinson, Liverpool

14:05
*Discussion*

14:10
*Woman & a migrant: A double disadvantage. Tips to succeed*
I. Deglurkar, Cardiff

14:15
*Discussion*

14:20
*Women in cardiac Surgery: View from the USA*
O. Preventza, Houston
14:25  Discussion
14:30  Glass ceiling: How high can a woman surgeon rise in the academic ladder?
      D. Aicher, Homburg/Saar
14:35  Discussion
14:40  Effective strategies toward gender equality in academic medicine
      J. J. M. Takkenberg, Rotterdam
14:45  Discussion
14:50  Female residents in cardiac surgery: Take gender out of the equation
      J. Umminger, Hannover
14:55  Discussion
15:00  Women in academic cardiac surgery: A resident’s perspective
      S. Guenther, Munich
15:05  Discussion
15:10  Women in cardiothoracic surgery – viewed from Denmark
      V. Hjortdal, Aarhus
15:15  Discussion
15:20  Title to be confirmed
      P. Salminen, Bergen
15:25  Discussion
15:30  Title to be confirmed
      B. Harpham, Leeds
15:35  Discussion
15:40  Closing remarks
      A. P. Kappetein, Rotterdam
Perfusion Programme

08:15-09:45 Haemostasis and fluid management – Session 1
Moderators: A. Wahba, Trondheim; F. Merkle, Berlin

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

08:45
Mesenteric ischaemia complicating cardio-pulmonary bypass
S. Large, Elsworth

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

09:25
Fluid replacement in extracorporeal circulation: crystalloids versus colloids
T. Doenst, Jena

09:45
Break

10:15-11:45 Improving Perfusion – Session 2
Moderators: R. Di Bartolomeo, Bologna; T. Gudbjartsson, Reykjavik

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

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

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

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

11:45
Break

13:44 Mechanical circulatory support - Session 3

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

14:15
New concepts in total artificial heart
G. Tenderich, Duisburg

14:45
Mechanical circulatory support in children: State of the art
P. Van De Woestijne, Rotterdam
08:15-16:00  Postgraduate Education

Nurse and Nurse Physician Programme

08:15
Opening
G. Schaaij, Nieuwegein

08:15-09:45 Session 1: Octogenarians and surgery
Moderators: L. L. Haus, Odense; M. Brunott, Rotterdam; C. Bannister, Southampton

08:25
Octogenarian and quality of life after coronary artery bypass graft
F. Zwiers-Blokzijl, Groningen

08:45
The view of the surgeon
M. Shrestha, Hannover

09:10
The view of the geriatrician
R. Van Bruchem-Visser, Rotterdam

09:35
Summary and discussion

09:45
Break

10:15-12:00 Session 2: Quality improvements and innovation
Moderators: D. Bordinggaard, Odense; T. Bartley, Birmingham

10:15
Time-out procedure in theatre
C. Dekker-Van Doorn, Rotterdam

10:35
Clinical guideline for the prevention of postoperative infections by systematic oral hygiene associated with elective thoracic surgery interventions in adult patients
I. Madsen, Aarhus

10:55
Improving safety in documentation for acute and elective patients
S. Friis Søndergaard, Viborg

11:20
Extracorporeal membrane oxygenation
A. Philipp, Regensburg

11:40
Uniportal thoracic surgery
D. Gonzalez, Coruña
12:00-13:00 Session 3: Science
Moderators: D. Bordinggaard, Odense; L. L. Haus, Odense

12:00
A nurse led thoracic surgical pathway. ‘The Southampton Experience’
B. Andrews, Southampton

12:15
Negotiated work based learning (NWBL) to up-skill an advanced nurse practitioner (ANP) to interpret plain film chest radiographs
A. Walthew, Liverpool

12:30
Long term effectiveness of a nurse driven pain protocol
R. Van Valen, Rotterdam

12:45
Preliminary findings: Targeting coronary artery bypass graft patients at high risk of surgical site infection
M. Rochon, London

13:45-14:35 Session 4: Guidelines
Moderators: M. Brunott, Rotterdam; T. Bartley, Birmingham

13:45
Best presentation award
J. L. Pomar, Barcelona

14:05
ESC/EACTS guidelines on myocardial revascularisation and on NSTEMI
P. Kolh, Liège

14:15
How to influence guidelines a real life scenario
J. Dunning, Middlesbrough

14:50-16:00 Session 5: Hands-on
Moderators: L. L. Haus, Odense; D. Bordinggaard, Odense; T. Bartley, Birmingham; C. Bannister, Southampton; M. Brunott, Rotterdam

14:50 Hands-on session
Wire skills for the surgeon

*Moderators: V. N. Bapat, London; R. H. Heijmen, Nieuwegein; L Van Garsse, Nijmegen*

**Learning objectives:**
To learn about the techniques in percutaneous therapy.
To understand the practical aspects of percutaneous access, transseptal approach and thoracic stenting.
Timings in this session are subject to change depending on live surgery

**08:15**
Live case: Transfemoral transcatheter aortic valve implantation
*D. Holzhey, Leipzig*

**08:45**
Surgeons - wire up!
*R. Lange, Munich*

**08:55**
Discussion

**09:00**
Fluoroscopy revisited: Essentials you need to know
*H. Treede, Halle*

**09:10**
Discussion

**09:15**
Transfemoral artery puncture
*R. Heijmen, Nieuwegein*

**09:30**
Discussion

**09:45**
Break

**10:15**
Vessel closure devices
*J. Kempfert, Berlin*

**10:30**
Technique of transseptal puncture
*F. Maisano, Zurich*

**10:45**
Live-in-a-box: MitraClip done by surgeon
*S. Jacobs, Berlin*

**11:00**
Thoracic endovascular aortic repair done by surgeons
*B. Rylski, Freiburg*

**11:15**
Hybrid techniques for thoracic aorta
*H. Jakob, Essen*

**11:30**
Alternative access routes for transcatheter aortic valve implantation
*G. Bruschi, Milan*

**11:40**
Wrap up
*R. Busund, Tromsoe*
Heart transplantation in the modern era
*Moderators: J. F. Gummert, Bad Oeynhausen; J. Kluin, Utrecht*

**Learning objectives:**
To cover heart transplantation from basic science to long term results.

**08:15**
Moderate to severe early graft failure after cardiac transplantation: Treatment strategies and predictive risk factors analysis
*A. Loforte; G. Murana; M. Cefarelli; G. Jafrancesco; J. Alfonsi; M. Sabatino; F. Grigioni; G. Marinelli, Bologna*

*Discussant: G. Warnecke, Hannover*

**08:30**
Prevalence of donor transmitted coronary artery disease and long term prognosis
*D. Kim; J. Park; T. Yoon; J. W. Lee; J. J. Kim; S. Jung, Seoul*

*Discussant: G. Gerosa, Padua*

**08:45**
Prognostic value of gene expression profiling to predict long-term outcomes after heart transplantation
*B. Fujita; E. Prashovikj; U. Schulz; U. Fuchs; J. Börgermann; J. Gummert; S. Ensminger, Bad Oeynhausen*

*Discussant: J. Garbade, Leipzig*

**09:00**
Continuous improvement in outcome after heart transplantation– long-term follow-up after three decades of experience
*G. Dellgren; H. Liden; S. Ricksten; S. Bartfay; E. Bollano; H. Schersten; K. Karason, Gothenburg*

*Discussant: S. Dhital, Sydney*

**09:15**
Recipient age impact on outcome after cardiac transplantation: Should it still be considered in organ allocation?
*S. Sponga, Udine; D. Piani, Udine; A. Lechaincole, Rome; V. Tursi, Udine; E. Spagna, Udine; G. Guzzi, Udine; C. Nalli, Udine; U. Livi, Udine*

*Discussant: E. Ferrari, Lausanne*

**09:30**
The effect of everolimus versus calcineurin inhibitors on surgical complications: The results of a de novo heart transplant randomized controlled trial (SCHEDULE trial)
*M. Rashidi, Oslo; S. Esmaily, Oslo; A. Fiane, Oslo; F. Gustafsson, Copenhagen; H. Eiskjar, Copenhagen; G. Radegran, Lund; G. Dellgren, Gothenburg*

*Discussant: C. Hagl, Munich*

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Endocarditis: A continuous dilemma
*Moderators: C. A. Mestres, Abu Dhabi; M. Mokhles, Rotterdam*

**08:15**
When to perform surgery for endocarditis and in whom?
*J. Kempfert, Bad Nauheim*
08:30  
Early surgery and the optimal timing of surgery for infective endocarditis: A meta-analysis  
B. Song; F. Liang; R. Liu, Lanzhou  
Discussant: Wyler von Ballmoos, Moritz Milwaukee

08:45  
Do radiological characteristics of preoperative cerebral lesions affect postoperative haemorrhagic stroke in endocarditis patients?  
M. Diab; A. Günther; P. Scheffel; H. Kirov; C. Sponholz; T. Lehmann; O. Witte; T. Doenst, Jena  
Discussant: M. Borger, New York

09:00  
Cardiac surgery for infective endocarditis in patients with intravenous drug abuse  
O. Österdal; P. Salminen; S. Jordal; H. Sjursen; O. Wendelbo; R. Haaverstad, Bergen  
Discussant: O. Wendler, London

09:15  
Multiplex polymerase chain reaction to diagnose bloodstream infections in patients after cardiothoracic surgery  
K. Pilarczyk; P. Rath; J. Steinmann; J. Benedik; D. Wendt; H. Jakob; F. Dusse, Essen  
Discussant: S. Wan, Hong Kong

09:30  
Wrap-up  
M. Mokhles, Rotterdam

08:15-09:45 Abstract Session

Risk models in coronary surgery
Moderators: J. S. Coselli, Houston; D. Pagano, Birmingham
Learning objectives: Use of clinical risk models to predict outcomes. Use of anatomical risk score to predict outcomes.

08:15  
Clinical risk models to estimate risk of coronary artery bypass grafting  
S. Grant, Manchester

08:30  
Comparison of logistic EuroSCORE and EuroSCORE II in predicting operative mortality in 1125 total arterial operations  
T. Kieser; S. Rose, Calgary  
Discussant: S. Nashef, Cambridge

08:45  
The SYNTAX score  
S. Head, Rotterdam

09:00  
SYNTAX score is correlated with long-term outcomes of coronary artery bypass grafting for complex coronary artery lesions  
Y. Cho; S. Shimura; A. Aki; H. Furuya; K. Okada; T. Ueda, Kanagawa  
Discussant: R. Yadav, London
09:15
Residual SYNTAX score and outcomes following coronary artery bypass grafting
G. Melina; E. Angeloni; R. Bianchini; A. Roscitano; C. Comito; F. Capuano; S. Relice; R. Sinatra, Rome
Discussant: J. Börgermann, Bad Oeynhausen

09:30
EuroSCORE II and SYNTAX Score to evaluate risks of coronary artery bypass grafting outcomes
M. S. Al-Shiekh; S. Al Ameen; A. Faragallah; S. El Bogdady, Cairo
Discussant: R. Osnabrugge, Rotterdam

08:15-09:45 Abstract Rapid Response Session E102

**Reducing invasiveness**

**Moderators:** M. Poullis, Liverpool; F. Ciulli, Bristol

**Learning objectives:**
Alternatives to sternotomy.
Is on- or off-pump better?

08:15
Early and mid-term results of no-touch aorta multi-vessel small thoracotomy versus conventional off-pump coronary artery bypass grafting: A propensity score matched study
A. Ziankou, Vitebsk; M. Laiko, Vitebsk; K. Vykhrystsenka, Vitebsk; Y. Ostroversusky, Minsk

08:24
Ten years follow-up after minimally invasive left anterior descending revascularization
A. Repossini; L. Di Bacco; G. Bisleri; C. Muneretto, Brescia

08:33
Use of bilateral skeletonized internal thoracic artery for minimally invasive coronary artery by-pass grafting. Our first hundred cases
M. Guida; G. Guida; G. Guida; A. Lo Cascio; E. De Garate; P. Mendoza; M. Vasquez; M. Pecchinenda, Valencia

08:42
A novel technique of harvesting bilateral internal thoracic arteries under direct vision via left small thoracotomy in minimally invasive cardiac surgery coronary arterial bypass graft
K. Kikuchi; D. Une; Y. Endo; T. Matsuyama; Y. Fukada; A. Kurata, Yamato

08:51
Early results of minimally invasive coronary artery bypass grafting using in-situ bilateral internal thoracic arteries and extension technique with the radial artery
A. Ziankou, Vitebsk; K. Vykhrystsenka, Vitebsk; M. Laiko, Vitebsk; V. Chyeshov, Vitebsk; Y. Ostroversusky, Minsk

09:00
Off-pump coronary artery bypass grafting in ministernotomy: Lessons learnt after a hundred cases
A. Longobardi; P. Masiello; A. Panza; G. Mastrogianni; A. Villano; F. D’Auria; S. Isu; G. Di Benedetto, Salerno

09:09
Off-pump versus on-pump coronary artery bypass: A propensity score matched analysis using the Japan adult cardiovascular surgery database
S. Numata, Kyoto; H. Miyata, Tokyo; K. Doi, Kyoto; S. Yamazaki, Kyoto; N. Motomura, Tokyo; S. Takamoto, Tokyo; H. Yaku, Kyoto
09:18
Long-term survival following off-pump coronary artery bypass grafting
B. Kirmani, Warrington; S. Sriskandarajah, Manchester; R. Azzam, Manchester; A. Brazier, Manchester; R. Hasan, Manchester; H. Abunasra, Manchester

09:27
Comparison between off-pump and on-pump coronary artery bypass grafting. Long-term results from a real-world registry
F. Nicolini, Parma; D. Fortuna, Bologna; G. Contini, Parma; D. Pacini, Bologna; D. Gabbieri, Modena; C. Zussa, Ravenna; R. De Palma, Bologna; T. Gherli, Parma

09:36
A meta-analysis of on-pump beating versus conventional coronary artery bypass grafting surgery
C. Ueki; G. Sakaguchi; T. Akimoto; Y. Ohashi; H. Sato, Shizuoka City

08:15-09:45 Abstract Session
Emerald Room

Work in progress
Moderators: F. Kari, Freiburg; D. J. Chambers, London

08:15
Tissue engineered stentless pulmonary valve using bone-marrow-derived mesenchymal stem cells and circulating endothelial progenitor cells and its in-vivo implantation in a sheep model
E. M. Delmo Walter, Berlin; V. Sales, Boston; B. Hartmann, Berlin; A. Ekkernkamp, Berlin; R. Hetzer, Cottbus; J. Mayer, Boston

08:30
Role of bone marrow mesenchymal stem cells in the stabilization of elastase-induced ascending aortic aneurysm in a rat model
C. Pisano; C. R. Balistreri; A. Allegra; V. Argano; G. Ruvolo, Palermo

08:45
Type A dissection model to facilitate endovascular research
P. Heinisch, Berne; B. Winkler, Berne; R. Klaws, Kiel; T. Carrel, Berne; A. Khoynezhad, Los Angeles; R. Bombien, Los Angeles

09:00
Development and implementation of a bioinformatics probability-based predictive model for assessing the risk of aortic dissection in Turner syndrome patients
H. Sherif, Newark

09:15
Preoperative planning of left sided valve surgery for individualized tailored patient approach: Sternotomy or a minimally invasive approach?
S. Heuts; P. Sardari Nia; J. Maessen, Maastricht

09:30
MMP-2 and MMP-9 as biomarkers for different types of thoracic aortic aneurysms correlated with blood flow distribution
N. Kocher; M. Russe; F. Beyersdorf; M. Siepe; P. Meffert; F. Kari, Freiburg
Endoscopic port access mitral valve repair

**Learning objectives:**
To gain familiarity and knowledge in the instrumental necessities for endoscopic mitral valve repair.  
To practice and learn the basic techniques in endoscopic surgery for mitral valve repair on high-fidelity simulators.  
Mitral valve repair using annuloplasty ring and neochords on high-fidelity simulators.  
True simulated physical model of endoscopic port-access set-up whereby the operator can train from the basic technique to full complex repairs.  
Disposable mitral valves and papillary muscles that have been created out of material resembling the physical characteristics of connective tissue giving the operator a true experience.  
The simulator can provide feedback regarding the length and depth of each stitch on the mitral valve annulus with a picture of each created stitch. The operator can hone his/her skills based on pre-set parameters of length and depth  
The simulator can be used for the following approaches: minimally invasive mitral valve repair endoscopically; minimally invasive mitral valve repair through direct vision; minimally invasive mitral valve repair with robotic-assistance using the ports; conventional mitral valve repair by opening the thorax.

Each Session is restricted to 12 participants
Registration: €70 per session. Registration should be made online via the EACTS user area or at the registration desks on site.

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**10:15-11:45 Abstract Session**

*Left ventricle – strategies in left ventricular modulations*

*Moderators: R. Klautz, Leiden; N. Buzzatti, Milan*

**Learning objectives:**
Should you burn your hands on left ventricular restoration?

10:15  
First in human extracellular matrix implantation in post-infarct ischemic heart failure – six months results  
*P. Suwalski; R. Smoczynski; D. Drobinski; M. Furmanek; S. Sypula; W. Samowski; J. Staromlynski; A. Witkowska, Warsaw*

*Discussant: M. Emmert, Zurich*

10:30  
Left ventricular stoke work index predicts reverse remodelling after submitral procedures for ischemic dilated cardiomyopathy  
*Y. Shingu; S. Wakasa; T. Ooka; T. Tachibana; Y. Matsui, Sapporo*

*Discussant: G. Wieselthaler, San Francisco*

10:45  
Improvements in left ventricular diastolic function after parachute device implantation in patients with ischemic heart failure: A pilot multi-detector computed tomography study  
*C. Yun, Taipei City; C. Hung, Taipei City; T. Wu, Taipei City; H. Bezerra, Cleveland*

*Discussant: S. Tsui, Cambridge*
11:00 Ventricular volume and myocardial viability evaluated by cardiac magnetic resonance imaging affect long-term results after surgical ventricular restoration for patients with ischemic cardiomyopathy

S. Yamazaki, Kyoto; H. Yaku, Kyoto; K. Doi, Kyoto; S. Numata, Kyoto; K. Morimoto, Suita; K. Manabe, Kyoto; K. Ikemoto, Kyoto; T. Matsushiro, Kyoto

Discussant: F. Emrich, Leipzig

11:15 Calculation of the expected end-diastolic volume of the left ventricle using the technique of Teichholz in patients with left ventricular aneurysm

R. Babukov; V. Bazylev; V. Karnahin; A. Mikulyak, Penza

Discussant: M. Deja, Katowice

11:30 Surgical ventricular restoration plus mitral valve repair in patients with ischemic heart failure. Risk factors for early and mid-term outcome

S. Castelvecchio, San Donato Milanese; A. Parolari, Milan; A. Garatti, San Donato Milanese; P. Gagliardotto, San Donato Milanese; E. Mossuto, San Donato Milanese; A. Canziani, San Donato Milanese; L. Menicanti, Milan

Discussant: J. Schmitto, Hannover

10:15-11:45 Abstract Session

Aortic valve replacement: What is new?

Moderators: T. Modine, Lille; J. Kluin, Utrecht; F. Casselman, Aalst


10:15 Root repair procedure guided by an electrocardiogram-triggered Preoperative computerised tomography-scan interleaflet triangles analysis

C. Romagnoni; M. Contino; R. Rosa; A. Mangini; G. Gelpi; M. Lemma; S. Ippolito; C. Antona, Milan

Discussant: H. Jakob, Essen

10:30 Effect of aortic valve morphology on fluid dynamics of the thoracic aorta – indication for a new modality of valve assessment?

P. Youssefi, London; A. Gomez, London; R. Sharma, London; A. Figueroa, Ann Arbor; M. Jahangiri, London; D. Cameron, Baltimore

10:45 Tissue-engineered fibrin-based heart valve with a load-oriented textile reinforcement

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

11:00 Full tri-leaflet aortic valve reconstruction with bovine pericardium: An experimental study

B. Meuris, Leuven; L. Neethling, Perth; G. Strange, Fremantle; D. Rhodes, Sydney; T. Uchida, Tokyo; S. Ozaki, Tokyo

Discussant: J. Kluin, Utrecht

11:15 Simulation and training of minimally invasive cardiac surgery using a three-dimensional printing system

T. Yamada, Tokyo; M. Osako, Tokyo; T. Uchimuro, Tokyo; T. Morikawa, Tokyo; M. Sugimoto, Kobe; K. Okamoto, Tokyo; M. Kudo, Tokyo; H. Shimizu, Tokyo
Late gadolinium enhancement in cardiac magnetic resonance as a marker of morphological and functional deterioration in patients with severe aortic stenosis

R. Sádaba, Gorraiz; V. Arrieta, Pamplona; V. Alvarez-Asain, Pamplona; M. Ciriza, Pamplona; F. Olaz, Pamplona; F. Gomez, Pamplona; N. Lopez-Andres, Pamplona

Discussant: M. Ruel, Ottawa

10:15-11:45 Abstract Session

Cardiac general


Learning objectives:
Keeping professional performance despite difficult circumstances.

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

10:30
A novel surgical distractions capture tool for cardiac surgery and lung transplantation impact of distractions on outcomes?
L. P. Ong; N. Gunaratnam; S. Kuravelli; N. Collins; S. Chan; T. Butt; S. Clark, Newcastle upon Tyne
Discussant: J. Gummert, Bad Oeynhausen

10:45
The Netherlands joined outcomes and transparency initiative first results of a national initiative to bench the quality of institutional cardiovascular care
B. De Mol; D. Van Veghel; P. Van Der Nat, Amsterdam
Discussant: D. Fullerton, Aurora

11:00
Over thirty years’ results of bileaflet mechanical valve replacement
S. Saito; H. Tsukui; N. Masuda; T. Harada; H. Tomioka; S. Aomi; K. Yamazaki, Tokyo
Discussant: H. Najm, Riyadh

11:15
Atrio-ventricular rupture after mitral valve surgery- a disastrous complication: Experience from a single centre
O. Akhavuz; M. Vollroth; F. Bakhtiary; F. Mohr. Leipzig
Discussant: J. Bekkers, Rotterdam

11:30
Comparison septal myectomy with and without mitral subvalvular apparatus intervention in patients with obstructive hypertrophic cardiomyopathy: prospective randomize study
A. Bogachev-Prokophiev; M. Fomenko; S. Zheleznev; A. Pivkin; A. Afanasiev; A. Karaskov, Novosibirsk
Discussant: tba
Avoiding disasters in cardiac surgery

Moderators: J. Pepper, London; M. Lancé, Maastricht

Learning objectives:
To understand preventive measures, intraoperative techniques and prediction, and perioperative interventions to reduce complication.

10:15
Short- and long-term impact of perioperative complications
G. J. R. Whitman, Baltimore

10:30
Prevention of stroke
R. W. M. Keunen, The Hague

10:45
Common treatment of acute perioperative stroke
P. J. Koudstaal, Rotterdam

11:00
Looking after the kidneys
N. Howell, Birmingham

11:15
Ischaemia and inflammation
M. Lancé, Maastricht

11:30
Keeping the blood bank happy; strategies to reduce transfusion
A. Jeppsson, Gothenburg

Supporting the heart and lung

Moderators: D. Zimpfer, Vienna; B. Meyns, Leuven

Learning objectives:
Different issues with circulatory support.

10:15
Extracorporeal membrane oxygenation with minimal heparinization
J. Raman, Chicago; L. Michalak, Chicago; N. Dobrilovic, Chicago; O. Lateef, Chicago; S. Aziz, Washington

10:24
Out-of-centre extra-corporeal life support implantation – what’s next?
D. Schibliisky; P. Klumm; H. Lausberg; H. Häberle; P. Rosenberger; T. Walker; C. Schlensak, Tübingen

10:33
Left ventricular assist device implantation in patients after prior left ventricular reconstruction; surgical technique and case series
M. Palmen; J. Braun; S. Beers; H. Verwey; L. Couperus; V. Delgado; R. Klautz; M. Schalij, Leiden
Implanting permanent left ventricular assist devices in patients on veno-arterial extracorporeal membrane oxygenation support. Do we really need cardiopulmonary bypass machines?
D. Saeed; A. Albert; T. Hoffmann; B. Maxhera; G. Petrov; E. Roussel; A. Lichtenberg, Düsseldorf

Case control study. Reduction of INCOR driveline infection rate with silicone at the driveline exit site
D. Camboni, Regensburg; B. Floerchinger, Regensburg; S. Hirt, Regensburg; R. Tandler, Erlangen; L. Rupprecht, Regensburg; M. Weyand, Erlangen; C. Schmid, Regensburg

Thromboembolic complications after left ventricular assist device implantation is associated with platelet activation as measured via the platelet activity state assay
L. Valerio, Milan; F. Consolo, Milan; M. De Bonis, Milan; D. Bluestein, Stony Brook; P. Tran, Tucson; M. Slepian, Tucson; A. Redaelli, Milan; F. Pappalardo, Milan

Low-dose intravenous thrombolytic therapy for pump thrombus formation in patients with continuous flow left ventricular assist device
K. Dimitrov; T. Schöglohofer; J. Riebandt; T. Haberl; D. Wiedermann; H. Schima; G. Laufer; D. Zimpfer, Vienna

Acquired Von Willebrand syndrome in patients on long-term support with HeartMate II
U. Geisen; C. Benk; F. Beyersdorf; G. Trummer; M. Berchtold-Herz; B. Zieger; C. Heilmann, Freiburg

Telemonitoring anticoagulative treatment in ventricular assist device patients
S. Eifert; A. Meyer; S. Lehmann; J. Fischer; A. Oberbach; E. Langenstroth; F. Mohr; J. Garbade. Leipzig

Primary biventricular assist device implantation: Rebirth of a lost procedure?
K. Stroeh; T. Pöttinger; C. Grinninger; U. Grabmaier; U. Wilbert-Lampen; B. Meiser; C. Hagl; R. Schramm, Munich

Basic science 1

Heterotopic transplantation of decellularized heart in a large animal model
H. Kitahara; H. Yagi; K. Tajima; K. Okamoto; A. Yoshitake; Y. Kitagawa; H. Shimizu, Tokyo
Discussant: A. Kocher, Vienna

Control-releasing hydrogen sulfide system based on mesoporous silica nanoparticles to protect ischemia/reperfusion-induced cell damage
W. Wang; X. Sun; H. Tao; C. Guo; C. Wang, Shanghai
Discussant: D. Chambers, London

The extracellular isofrom of superoxide dismutase has a significant impact on cardiovascular ischemia and reperfusion injury during cardiopulmonary bypass and hypoxia
M. Immohr; A. Pinto; A. Jahn; A. Lichtenberg; U. Boeken; P. Akhyari, Düsseldorf
Discussant: M. Thielmann, Essen
11:00
Shock wave therapy causes increased macrophage recruitment and enhances M2 polarisation
J. Holfeld; C. Tepeköylü; C. Reissig; D. Lobenwein; B. Scheller; E. Kirchmair; R. Kozaryn; K. Albrecht-Schgoer, Innsbruck
Discussant: A. Moritz, Frankfurt

11:15
Wilms’ tumour suppressor 1 protein expression: Predictive for future aortopathy in patients with bicuspid aortic valve?
N. Grewal, Leiden; M. Goumans, Leiden; M. Deruiter, Leiden; R. Klautz, Leiden; R. Poelmann, Leiden; B. Mulder, Amsterdam; A. Bogers, Rotterdam; A. Gittenberger-De Groot, Leiden
Discussant: G. Lanzillo, Novaraa

10:15-11:45 Training in Research Session F003
All you need to know for your next research project
Moderators: F. Beyersdorf, Freiburg; G. A. Patterson, St Louis

Learning objectives:
Learn how to write abstracts and papers and get them accepted.
The role of funding in research and how to apply.

10:15
How to get your abstract accepted for a meeting
F. Beyersdorf, Freiburg

10:27
Question and answer – discussion

10:37
What (not) to do when preparing your manuscript
G. A. Patterson, St Louis

10:49
Question and answer – discussion

10:59
Moving up the ladder: Performing a peer-review
M. Turina, Zurich

11:11
Question and answer – discussion

11:21
Presenting your study: Making a PowerPoint presentation
A. P. Kappetein, Rotterdam

11:33
Question and answer – discussion
10:15-11:45  Focus Session

Meet the experts

Moderators: E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen

10:15
Total thoracic aortic replacement and aortic valve replacement via clamshell thoracotomy in acute aortic arch dissection with aberrant right subclavian artery aneurysm

T. Schachner; M. Grimm, Innsbruck

10:20
Extensive aortitis and hypertrophic obstructive cardiomyopathy. Pills and watchful waiting or straight to a major surgical challenge?

P. Albaladejo; G. Ventosa-Fernandez; B. Moscoso; J. F. Encalada; M. Ascaso; M. Masanet; M. Napoleone; M. Castella, Barcelona

10:25
Type A aortic dissection in a 11 month old vascular type Ehlers-Danlos patient

R. Cantatore, Naples; G. Santoro, Naples; G. Capozzi, Naples; G. Rossi, Naples; M. Marino, Naples; M. Russo, Naples; G. Oppido, Bologna

10:30
Aortic and mitral valve reconstruction three cases

M. Misfeld, Leipzig; O. Alfieri, Milan; G. El Khoury, Brussels; V. Falk, Berlin

11:00
Challenging endocarditis: mitro-aortic and intervalvular fibrous body involvement with mitral annulus calcification

G. Ventosa-Fernandez; P. Albaladejo; B. Moscoso; J. F. Encalada; M. Ascaso; M. Masanet; C. Barriuso; M. Castella, Barcelona

11:05
Extracardiac valved conduit for calcific mitral stenosis

J. Van Meeteren; H. Schaff, Rochester

11:10
Homograft replacement in aorto-ventricular discontinuity in septic prosthetic valve endocarditis: A case report

E. M. Delmo Walter, Berlin; J. Krülls-Münch, Cottbus; D. Fritzsche, Cottbus; B. Hartmann, Berlin; A. Ekkernkamp, Berlin; R. Hetzer, Cottbus

11:15
Complex aortic disease three cases

M. Grabenwöger, Vienna; D. Pacini, Bologna

10:15–11:45  Final

EACTS Cardio-Thoracic Masters – Jeopardy

The European Association for Cardio-Thoracic Surgery (EACTS) will hold its first Cardiothoracic Surgery Resident ‘Jeopardy’ Competition during the 29th EACTS Annual Meeting. Six two-person teams from residency programs throughout Europe will compete in three rounds of live Jeopardy. The teams with the highest scores from the first two rounds will compete against each other in the final round. The winning team of the final round will be designated the European 2015 Resident Jeopardy Winners!
Endoscopic port access mitral valve repair
See page 46 for programme details.

The power of surgery
M. Grabenwöger, Vienna

Cardiothoracic Surgery Residents - where do we come from and where are we heading
Moderators: P. Sardari Nia, Maastricht; F. Emrich, Leipzig

12:45
Cardiothoracic surgery residency back in the days, or what made me a good surgeon?
J. Pomar, Barcelona

13:00
Cardiothoracic surgery residency today – the Surgical Training & Manpower committee and its activities
P. Sardari Nia, Maastricht

13:15
National residents associations – what they do and what they need - Association des Jeunes Chirurgiens Cardio-Thoracique et Vasculaire
C. David, BREST

13:20
Resident’s association for cardio-thoracic surgery in the Netherlands
R. De Lind Van Wijngaarden, Rotterdam

13:25
Young Swiss Cardiac Surgeons Club
D. Reser, Zürich

13:30
Young Chapter of the German Society of Thoracic and Cardiovascular Surgery
M. Luehr, Leipzig

13:35
Society for Cardiothoracic Surgery in Great Britain and Ireland
J. Afoke, London

13:40
Brainstorming and Discussion
Coronary artery bypass graft is on the rise, don't give it up  
*Moderators: A. Wahba, Trondheim; T. Gudbjartsson, Reykjavik; E. Stahle, Uppsala*

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

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

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

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

**15:00**
Residual coronary artery disease after primary percutaneous coronary intervention  
*A. Gershlick, Leicester*

**15:15**
Cardiac surgery in patients with recent percutaneous coronary intervention  
*M. Sousa Uva, Lisbon*

**15:30**
Functional versus anatomical revascularization  
*F. Casselman, Aalst*

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Future of sutureless valves  
*Moderators: J. Seeburger, Leipzig; A. Kaya, Amsterdam; B. Meuris, Leuven*

**Learning objectives:**
- To understand the advantages and drawbacks of sutureless valves.

**14:15**
Benefits of rapid deployment aortic valve replacement via a minimally invasive approach: One year results of a prospective multicentre randomised controlled trial  
*M. Borger, Leipzig; H. Reichenspurner, Hamburg; H. Treede, Hamburg; C. Knosalla, Berlin; T. Doenst, Jena; M. Richter, Jena; D. Holzhey, Leipzig; J. Strauch, Bochum*

*Discussant: G. Weiss, Vienna*

**14:30**
Conventional versus rapid deployment aortic valve replacement: A single centre comparison between the Edwards Magna valve and its rapid deployment successor  
*M. Andreas; S. Wallner; A. Habertheuer; T. Binder; R. Rosenhek; D. Wiedemann; A. Kocher; G. Laufer, Vienna*

*Discussant: M. Vola, St Etienne*
14:45
Sutureless versus conventional stented bioprosthesis. Meta-analysis of postoperative mortality and morbidity in isolated aortic valve replacement
M. Meco; E. Giustiniano; P. Panisi; S. Cirri; A. Miceli; M. Ferrarini; M. Glauber, Milan
Discussant: G. Dellgren, Gothenburg

15:00
Management of small aortic annulus in the era of sutureless aortic valve replacement
A. Ghoneim; I. Bouhout; M. Francispillai; P. Noly; A. Mazine; M. Pellerin; D. Bouchard; P. Demers, Montreal
Discussant: M. Glauber, Milan

15:15
Can sutureless and device mediated surgery reduce operative time in surgical aortic valve replacement?
B. Langhammer; M. Nucera; L. Englberger; E. Roost; D. Reineke; F. Schoenhoff; T. Carrel; C. Huber, Berne
Discussant: F. Mohr, Leipzig

15:30
Aortic valve replacement with sutureless prosthesis: Better than root enlargement to avoid patient–prosthesis mismatch?
E. Beckmann; A. Martens; F. Alhadi; K. Hoeffler; S. Sarikouch; N. Koigeldiev; A. Haverich; M. Shrestha, Hannover
Discussant: E. Quintana, Barcelona

14:15-15:45 Abstract Session

Challenges in surgical aortic valve replacement
Moderators: R. Sádaba, Gorraiz; G. Gerosa, Padua

Learning objectives:
Challenges and pitfalls during aortic valve surgery.
Outcomes of aortic valve replacement in patients with anatomic and physiologic complicating factors.

14:15
Aortic prosthesis-patient mismatch halts regression of secondary mitral regurgitation after isolated aortic valve replacement: six-year follow-up analysis
E. Angeloni; G. Melina; S. Refice; F. Capuano; A. Roscitano; C. Comito; R. Sinatra, Rome
Discussant: M. Moon, St Louis

14:30
Combined ascending aorta replacement under circulatory arrest for severe aortic calcification in patients with aortic stenosis
Discussant: S. Westaby, Oxford

14:45
Global longitudinal strain for prediction of left ventricular mass regression and clinical outcomes in patients with aortic prosthesis-patient mismatch
J. Hu; E. Y. Zhang, Chengdu
Discussant: G. Gerosa, Padua
15:00
Long-term follow-up of patients submitted to aortic root enlargement
P. Correia; G. Coutinho; C. Branco; M. Antunes, Coimbra
Discussant: T. Folliguet, Vandoeuvre les Nancy

15:15
Medtronic freestyle aortic bioprosthesis: A potential option for haemodialysis patients
Y. Y. Hegazy, Lahr; A. Rayan, Alexandria; R. Sodian, Lahr; W. Hassanein, Alexandria;
S. Bauer, Lahr; J. Ennker, Lahr
Discussant: A. Kaya, Amsterdam

15:30
Low-flow low-gradient aortic stenosis: surgical outcomes and midterm results
A. Lopez, Cardiff; A. Youhana, Swansea; S. Ashraf, Swansea; A. Zaidi, Swansea; F. Bhatti,
Swansea; P. Kumar, Swansea
Discussant: A. De Souza, London

14:15-15:45 Focus Session
E104+E105
Transcatheter aortic valve implantation: Current and future perspectives
Moderators: N. Van Mieghem, Rotterdam; H. Reichenspurner, Hamburg

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

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

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

15:00
The Transaortic ‘ROUTE’: Why is it another good option for the cardiac surgeon?
M. Romano, Massy

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

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

15:25
Discussion

15:30
Wrap-up
H. Reichenspurner, Hamburg
Infectious problems

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

Learning objectives:
To understand difficult infectious problems in cardiac surgery. Preventive measures and technical solutions will be discussed.

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

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

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

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

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

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

Basic science 2

Moderators: A. Haverich, Hannover; D. Mercogliano, Alessandria

14:15
The cardiotomy reservoir – a new cell source for cardiovascular tissue engineering
S. Nathusius; F. König; F. Born; R. Sodian; C. Hagl; N. Thierfelder, Munich
Discussant: M. Grimm, Innsbruck

14:30
Determination of acute kidney injury by neutrophil gelatinase-associated lipocalin and cystatin C in serum offers precise and prompt identification of patients at risk of prolonged manifest kidney dysfunction after heart operations using cardiopulmonary bypass
J. Kalisnik, Ljubljana; E. Hrovat, Ljubljana; A. Jerin, Ljubljana; J. Zibert, Ljubljana; G. Santarpino, Nuremberg; M. Skitek, Ljubljana; T. Klokocovnik, Ljubljana
Discussant: H. J. Ankersmit, Vienna

14:45
Observation of retinal vessels during intermittent pressure augmented–retrograde cerebral perfusion in clinical cases.
H. Endo, Tokyo; H. Ishii, Mitaka-shi; H. Tsuchiya, Mitaka-shi; Y. Takahashi, Mitaka-shi; Y. Nishino, Mitaka-shi; H. Kubota, Mitaka-shi
Discussant: J. Bachet, Nogent sur Marne
15:00
Intraoperative blood transfusions increase circulating plasma free-haemoglobin levels and plasma nitric oxide consumption impairing endothelium-dependent vasodilatation during coronary artery bypass graft surgery
A. Rungatscher, Verona; E. Milani, Verona; C. Covajes, Verona; M. Tessari, Verona; S. Hallström, Graz; L. Gottin, Verona; G. Guidi, Verona; G. Faggian, Verona
Discussant: A. Ahlsson, Örebro

15:15
Challenges in developing a reseeded, tissue engineered aortic valve prosthesis
A. Hof, Kaarst; S. Raschke, Düsseldorf; K. Baier, Düsseldorf; L. Nehrenheim, Düsseldorf; J. Selig, Düsseldorf; A. Lichtenberg, Düsseldorf; H. Meyer, Hannover; P. Akhyari, Düsseldorf
Discussant: A. Haverich, Hannover

15:30
Longer coronary anastomosis provides better haemodynamics in coronary artery bypass grafting
H. Tsukui, Shinjuku; M. Shinke, Tokyo; Y. K. Park, Fukushima; K. Yamazaki, Tokyo
Discussant: J Coselli, Houston

14:15-15:45 Focus Session G109
Joint Session EACTS SBCCV PASCaTS – Cardio-Thoracic surgery
Moderators: C. Yankah, Berlin; C. A. Mestres, Abu Dhabi

14:15 Standards in cardio-thoracic surgery training
F. Smit, Bloemfontein

14:30 Penetrating cardiovascular injuries
D. Reddy, Durban

14:45 Patterns of esophageal injuries and management in West Africa. Mid-term results
M. Tettey, Accra

15:00 Preconditioning and perfusion techniques in patients with sickle cell hemoglobinopathy
Z. Al Halees, Riyadh

15:15 Adults with congenital heart diseases: The surgical challenges

14:15-15:45 Focus Session Emerald Room
Pro and cons debates
Moderators: L. Careddu, Bologna; I. Ilonen, Helsinki

14:15 Extracorporeal life support for octogenarians – pro
M. Larsson, Stockholm

14:26 Extracorporeal life support for octogenarians – con
J. Maessen, Maastricht
14:37
Aortic valve repair for bicuspid valve – pro
G. El Khoury, Brussels

14:48
Aortic valve repair for bicuspid valve – con
W. Morshuis, Nieuwegein

14:59
Coronary artery bypass graft in infarction – pro
W. Wijns, Aalst

15:10
Coronary artery bypass graft in infarction – con
J. L. Pomar, Barcelona

15:21
Minimally invasive extensive resection – pro
D. Gonzalez, Coruña

15:32
Minimally invasive extensive resection – con
P. Van Schil, Edegem

14:15-15:45 Training in Research Session F003

All you need to know for your next research project – part II
Moderators: T. H. Aberg, Uppsala; M. C. Wyler Von Ballmoos, Milwaukee

Learning objectives:
Learn how to write abstracts and papers and get them accepted.
The role of funding in research and how to apply.

14:15 Innovation: The compromises of commercially funded research
J. Pepper, London

14:27 Question and answer – discussion

14:37 Choosing what to write about … It’s not easy
B. Rylski, Freiburg

14:49 Question and answer – discussion

14:59 How to get funding for your research project
M. Emmert, Zurich

15:11 Question and answer – discussion

15:21 Symbiosis in cardiothoracic surgery
J. McKenna, Inchinnan

15:33 Question and answer – discussion
16:00-17:30  Abstract Session

The two faces of arterial revascularisation
Moderators: T. Kieser, Calgary; B. Buxton, Victoria

Learning objectives:
The choice of conduits for revascularisation.
Sternal wound complication.
Risk management.

16:00
Getting older and older: Is it possible to identify an age at which total arterial revascularization becomes futile?
J. J. Andreasen, Aalborg

16:15
Is a third arterial conduit necessary? Comparison of the radial artery and saphenous vein in patients receiving bilateral internal thoracic artery grafting for triple vessel coronary disease
W. Shi; J. Tatoulis; A. Newcomb; P. Hayward; J. Fuller; A. Rosalion; B. Buxton, Melbourne
Discussant: D. Glineur, Ottawa

16:30
Efficacy of multiple arterial coronary bypass grafts for diabetes patients
A. Yamaguchi; N. Kimura; S. Itoh; K. Adachi; K. Yuri; H. Okamura; H. Adachi, Saitama
Discussant: T. Folliguet, Vandoeuvre les Nancy

16:45
Long term effects of multiple arterial grafts in coronary artery bypass graft patients in the current era of an obesity epidemic
T. Schwann, Toledo; L. Al-Shaar, Beirut; A. Kbour, Toledo; M. Engoren, Ann Arbor;
M. Bonnell, Toledo; R. Habib, Beirut
Discussant: G. Bolotin, Haifa

17:00
Bilateral mammary artery grafting increases post-operative mediastinitis without survival benefit in obese patients
P. Voisine; E. Ruka, Quebec
Discussant: N. Al Attar, Glasgow

17:15
Excellent results of arterial revascularization with low wound complications
T. Kieser, Calgary

16:00-17:30  Focus Session

Transcatheter mitral valve replacement: New valves and experiences
Moderators: V. Falk, Berlin; R. Klautz, Leiden, T. Modine, Lille; N. Van Mieghem, Rotterdam

16:00
Overview: Defining the clinical problem and challenges
T. Walther, Bad Nauheim
16:10  
Experience with the CardiaQ valve  
*N. Van Mieghem, Rotterdam*

16:20  
Experience with the Tendyne valve  
*N. Moat, London*

16:30  
Experience with the Neovasc/ TIARA valve  
*Danny Dvir, Toronto,*

16:40  
Experience with the Highlife valve  
*R. Lange, Munich*

16:50  
The trans-atrial approach project mitral project:  
*H. Treede, Hamburg*

17:00  
Percutaneous mitral plasty techniques  
*JF Obadia, Lyon*

17:10  
What have we learned from initial experiences  
*V. Bapat, London*

17:20  
The road ahead?  
*T. Modine, Lille*

17:25  
Wrap-up and key learnings  
*V. Falk, Berlin*

**16:00-17:30  Focus Session**

Fast-Track management  
*Moderators: S. Westaby, Oxford; D. Pereda, Barcelona; J. Yared, Cleveland*

Learning objectives:  
Understand the different components of fast track management including patient selection, anaesthesia, temperature management, pain control, necessary infrastructural requirements and economic implications.

16:00  
Why do we need to deal with this topic?  
*J. Yared, Cleveland*

16:05  
Selection of patients  
*V. Delgado, Leiden*

16:13  
Discussion

16:18  
Anesthesia aspects to keep in mind  
*M. Ranucci, Milan*
16:26
Discussion

16:31
The surgical changes to allow fast recovery
C. Young, London

16:41
Discussion

16:46
New surgical approaches are facilitating fast track?
H. Kehlet, Copenhagen

17:01
Logistics and infrastructure resources you need to have a fast-track programme
S. Westaby, Oxford

17:09
Rapid deploying aortic valves: Is this the key?
R. Pessotto, Edinburgh

17:24
General discussion

17:29
Financial implications of fast track
J. Ender, Leipzig

17:39
Discussion and wrap-up

16:00-17:30 Abstract Session

Results of Ross procedures and homografts in aortic surgery

Learning objectives:
Learn about outcomes of Ross and homografts procedures.

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

16:15
Results of the Ross procedure in adults: A sixteen-year single-centre experience
A. Bogachev-Prokopiev; R. Shariphulin; I. Demin; S. Zheleznev; A. Karaskov, Novosibirsk
Discussant: J. Pepper, London

16:30
Is the Ross procedure a riskier operation? Perioperative outcome comparison with mechanical aortic valve replacement in a propensity-matched cohort
P. Noly; I. Bouhout; L. Stevens; R. Cartier; N. Poirier; I. El-Hamamsy, Montreal
Discussant: U. Franke, Stuttgart
Decellularised homografts for aortic valve and aorta ascendens replacement
I. Tudorache; A. Horke; S. Sarikouch; P. Beerbaum; M. Westhoff-Bleck; D. Boethig; A. Haverich; S. Cebotari, Hannover
Discussant: M. Hazekamp, Leiden

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

16:00-17:30 Focus Session

Joint Session EACTS SBCCV PASCaTS – Cardiac surgery in the emerging economies: The evolving management strategies
Moderators: M. J. Antunes, Coimbra; W. J. Gomes, São Paulo

16:00 Outcomes of juvenile rheumatic mitral valve repair in endemic regions
M. Antunes, Coimbra

16:15 Long-term clinical results of mechanical valve replacement versus Ross operation in children and adolescents in Saudi Arabia
Z. Al Halees, Riyadh

16:30 Transcatheter aortic valve implantation: Challenging novel management strategies in the emerging economies

16:45 Surgical options for end-stage cardiomyopathies in Africa
W. Koen, Johannesburg

17:00 Round-table – sustainable cardiac programs in 2030: A dream or a reality? A concept for a north-south and south-south cooperation in cardiovascular surgery

16:00-17:30 Live-heart-team of complex pathologies
Emerald Room

Moderators: P. Sardari Nia, Maastricht

16:00 Cardiologists
P. Serruys, Rotterdam; J. Hoorntje, Maastricht

16:45 Surgeons
J. L. Pomar, Barcelona; O. Alferi, Milan; A. P. Kappetein, Rotterdam

Cases being presented and discussed between cardiologists and cardiac surgeons
How to statistically analyse your next research project

*Moderators: G. Hickey, Liverpool; J. J. M. Takkenberg, Rotterdam*

**Learning objectives:**
- Learning more about statistics.
- Interpreting study results.

**16:00**
- Basic statistical analyses: Dos and don’ts
  *J. Tijssen, Amsterdam*
- Question and answer – discussion

**16:10**
- Making a risk model or testing predictability
  *D. Van Klaveren, Rotterdam*
- Question and answer – discussion

**16:25**
- Propensity-matched analysis: What am I doing?
  *M. Mokhles, Rotterdam*
- Question and answer – discussion

**16:30**
- All you need to know on the art of meta-analysis
  *R. Osnabrugge, Rotterdam*
- Question and answer – discussion

**16:40**
- Designs and pitfalls of randomised trials
  *S. Head, Rotterdam*
- Question and answer – discussion

**17:05**
- Everything you need to know about cost-effectiveness analyses
**17:20**
- *S. Arnold, Kansas City*
Less invasive procedures for complex patients

*Moderators: Filip Casselman, Aalst; A. Colli, Padua; M. Mack, Plano; Leen van Garsse, Nijmegen*

**Learning objectives:**
To learn about novel procedures available to treat complex cardiac disease in the operating room and the cathlab
Timings in this session are subject to change depending on live surgery

**08:15**
When is CABG clearly superior
*M. Moon, St Louis*

**08:25**
Discussion

**08:35**
The clinical effect of prosthesis-patient mismatch after transcatheter versus surgical aortic valve replacement in all-comers patients with severe aortic valve stenosis
*H. G. Thyregod*, D. Steinbrüchel, A. Ngo, N. Ihlemann, H. Nissen, Y. Chang, P. Olsen, L. Søndergaard; *Copenhagen*; *Odense*; *Mounds View*
*Discussant: R. Lange, Munich*

**08:50**
Is hybrid revascularization the answer to increase use of PCI, who is eligible?
*F. Casselman, Aalst*

**09.00**
Discussion

**09:10**
Live procedure: PCI with left ventricular assist device
*N. van Mieghem, Rotterdam*

**09:40**
Discussion

**09:45**
Break

**10.15**
Improving outcomes: case-matched comparison of novel second generation versus first generation self-expandable transcatheter heart valves
*A. Schaefer*, H. Treede, F. Deuschl, N. Schofer, S. Blankenberg, H. Reichenspurner, U. Schaefer, L. Conrad; *Hamburg*; *Halle*
*Discussant: tba*

**10:30**
Surgical step-by-step approach for the neochord procedure
*A. Colli, Padua*

**10.40**
Discussion

**10:50**
Why and when to choose for surgical femoral access
*Leen van Garsse, Nijmegen*

**11:00**
Functional anatomy of the cardiac conduction: ‘and the beat goes on’...
*Y. Taverne, Rotterdam*
11.10 Discussion

11:20 Live case: TAVI with new vascular closure device
N. Van Mieghem, Rotterdam, P. DeJaegere, F. Oei

11:40 Discussion

08:15-09:45 Focus Session

Current challenges for extracorporeal life support
Moderators: P. Leprince, Paris; T. Krabatsch, Berlin

Learning objectives:
Expanding indications.
Providing a centralised service

08:15 Designing a regional extracorporeal life support service
D. Dosreismiranda, Rotterdam

08:30 Shifting admission source and discharge disposition among adult extracorporeal membrane oxygenation patients in the United States from 2003-2012
K. McDermott; F. McCarthy; A. Hoedt; P. Atluri; D. Spragan; W. Szeto; M. Acker; N. Desai, Philadelphia
Discussant: D. Camboni, Regensburg

08:45 The outcome of patients requiring multiple extracorporeal membrane oxygenation
Y. Chen; C. Wang; T. Chang; S. Huang; N. Chi; N. Chou, Taipei
Discussant: G. Trummer, Freiburg

09:00 State of neurological outcome after twenty minutes of circulatory arrest using controlled integrated reperfusion of the whole body
I. Taunyane; G. Trummer; K. Foerster; C. Benk; K. Wittmann; S. Doostkam; C. Heilmann; F. Beyersdorf, Freiburg
Discussant: C. Hagl, Munich

09:05 Profound accidental hypothermia – systematic approach to active recognition and treatment
A. Jarosz, Krakow; T. Darocha, Krakow; S. Kosiński, Zakopane; R. Gałązkowski, Warsaw; H. Hymczak, Krakow; R. Drwila, Krakow
Discussant: H. Tevaearai, Berne

09:20 The future of extracorporeal life support
F. Beyersdorf, Freiburg
Native and prosthetic valve endocarditis: An update
Moderators: F. Bakhtiary, Leipzig; M. J. Antunes, Coimbra

Learning objectives:
New techniques for surgical treatment of valve endocarditis.

08:15
The modified ‘Cabrol technique’ for aortic root replacement in patients with severe destructive aortic and mitral valve endocarditis
M. Vollroth, C. D. Etz, M. Amer, O. Akhavuz, F. Mohr, F. Bakhtiary; Leipzig (Germany)
Discussant: T. Modine, Lille

08:30
Over twenty-year experience with aortic homograft in aortic valve replacement during infective endocarditis
S. Solari; S. Mastrobuoni; L. De Kerchove; E. Navarra; P. Astarci; P. Noirhomme; J. Rubay; G. El Khoury, Brussels
Discussant: M. Musci, Berlin

08:45
Stentless bioprostheses: A versatile and durable solution in extensive aortic valve endocarditis
A. Schneider; J. Braun; M. Hazekamp; M. Versteegh; R. Klautz, Leiden
Discussant: T. Walther, Bad Nauheim

09:00
Surgery for prosthetic valve endocarditis: Interrelations between morbidity, mortality and costs
H. Grubitzsch; T. Christ; C. Melzer; M. Kastrup; S. Treskatsch; W. Konertz, Berlin
Discussant: T. Folliguet, Vandoeuvre les Nancy

Benefits and rationale of using the sorin freedom stentless aortic prosthesis in cases of acute bacterial endocarditis
G. Stefanelli; F. Pirro; D. Trevisan; B. Campisano; M. Meli, Modena
Discussant: R. Sádaba, Pamplona

09:30
Optimal timing of surgery for active infectious endocarditis with cerebral complications: Japanese multi-centre study
Y. Okita, Kobe; K. Minakata, Kyoto; S. Yasuno, Kyoto; T. Sato, Kyoto; K. Ueshima, Kyoto; N. Morita, Suita; M. Harada, Tokushima; J. Kobayashi, Osaka
Discussant: M. Borger, New York

Aortic valve disease and heart failure: How do they connect?
Moderators: A. F. P. Charpentier, Luxembourg; M. Ruel, Ottawa

08:15
Impact of aortic valve replacement on heart failure management?
M. Ruel, Ottawa
08:30
The use of biomarkers in the patient with heart failure; what do they tell us?
I. Kardys Rotterdam

08:45
Assessment of valve haemodynamics, reverse ventricular remodelling and myocardial fibrosis following aortic valve implantation. Do we improve outcome?
K. Nieman, Rotterdam

09:00
Impact of New York Heart Association classification, advanced age and patient-prosthesis mismatch on outcomes in aortic valve replacement surgery
J. Grau, Ridgewood

09:15
The relationship between myocardial fibrosis and pro-fibrotic markers in end-stage heart failure; can they predict outcome?
S. Lok, Utrecht

09:30
Is it worth performing an aortic valve replacement in patients with low gradient severe aortic stenosis and poor left ventricular function with no contractile reserve?
G. Tsang, Southampton

08:15-09:45 Abstract Session

Revisiting the tricuspid valve
Moderators: O. Alfieri, Milan; J. Seeburger, Leipzig

Learning objectives:
Optimal strategies for repair and replacement of the tricuspid valve.
The question of timing: Too early or too late.

08:15
Long term echocardiographic follow-up of untreated mild or greater tricuspid regurgitation in patients undergoing mitral valve surgery
K. Kusajima, Sapporo; T. Fujita, Suita; H. Hata, Osaka; Y. Shimahara, Osaka; J. Kobayashi, Osaka
Discussant: M. De Bonis, Milan

08:30
Midterm results of leaflet augmentation in severe tricuspid functional regurgitation
M. Pettinari; H. Gutermann; C. Van Kerrebroeck; S. Sainte; E. Kulmane; R. Dion, Genk
Discussant: R. Klautz, Leiden

08:45
New technique of tricuspid valve repair due to infective endocarditis and midterm results.
R. Amiraghov; R. Muratov; D. Britikov; S. Banbenko; L. Bockeria, Moscow
Discussant: P. Perier, Bad Neustadt/Saale

09:00
Carcinoid heart disease: Optimised outcomes using standardised surgical techniques and a multidisciplinary approach
Discussant: tba
How to perform an effective surgical atrial fibrillation ablation

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

**Learning objectives:**
Different surgical approaches and techniques for atrial fibrillation.
Rate of atrial fibrillation recurrence and stroke.

**08:15**
Five year success of the minimally invasive stand-alone Cox Maze procedure for non-paroxysmal atrial fibrillation
N. Ad; S. Holmes; D. Lamont; P. Massimiano, Falls Church

**08:24**
Identifying postoperative atrial fibrillation in cardiac surgical patients post-hospital discharge, using iPhone electrocardiogram
N. Lowres; G. Mulcahy; S. B. Freedman; R. Gallagher; A. Kirkness; D. Marshman; J. Orchard; L. Neubeck, Sydney

**08:33**
Total endoscopic ablation for patients with longstanding persistent atrial fibrillation – a randomised controlled trial
E. Fengsrud, Örebro; A. Wickbom, Örebro; H. Almroth, Örebro; A. Englund, Stockholm; A. Ahlsson, Örebro

**08:42**
The pressure effect of bipolar radio-frequency clamps for treatment of atrial fibrillation
J. Varzaly; D. Chapman; D. Lau; F. Viana; R. Stuklis; J. Edwards; P. Sanders; M. Worthington, Adelaide

**08:51**
Long-term results of concomitant surgical ablation for atrial fibrillation
S. Pecha; S. Ghandili; S. Hakmi; S. Willems; H. Reichenspurner; F. Wagner, Hamburg

**09:00**
Polis registry of the totally thoracoscopic ablation for persistent and long-standing persistent lone atrial fibrillation.
M. Zembala, Zabrze; A. Witkowska, Warsaw; G. Suwalski, Warsaw; G. Filipiak, Zabrze; O. Kowalski, Zabrze; D. Kosior, Warsaw; M. Zembala, Tarnowskie Góry; P. Suwalski, Warsaw

**09:09**
Epicardial, biatrial ablation with integrated uni-bipolar radiofrequency technology in patients with stand-alone persistent-long standing persistent atrial fibrillation: Mid-term rhythm outcome
C. Muneretto, Brescia; G. Bisleri, Brescia; F. Rosati, Brescia; A. Curnis, Brescia; L. Bontermpi, Brescia; E. Merati, Brescia; M. Moltrasio, Milan; G. Polvani, Milan
09:18
Left atrial appendage exclusion to prevent cerebrovascular events during surgical ablation of atrial fibrillation: is it worthwhile?
G. Coppola; A. Pozzoli; A. Fumero; I. Giambuzzi; G. Di Giannaurio; G. La Canna; S. Benussi; O. Alfieri, Milan

09:27
Long-term results of left atrial ablation with bipolar radiofrequency for persistent atrial fibrillation concomitant to mitral valve surgery
A. Pozzoli; S. Benussi; A. Fumero; G. Coppola; I. Giambuzzi; M. Kamami; G. La Canna; O. Alfieri, Milan

09:36
Atrial fibrillation incidence during the first post-coronary arterial bypass graft year determined by Reveal XT
E. Rodriguez; N. Shah; M. Tedder; D. Glassford; C. Ramaiah, Nashville

08:15-09:45 Training in Research Session
F003

A summary of essentials for your next research project
Moderators: S. Head, Rotterdam; M. Turina, Zurich

Learning objectives:
Learn how to write abstracts and papers and get them accepted.
Learning more about statistics and interpreting study result.

08:15
Moving up the ladder: Performing a peer-review
M. Turina, Zurich

08:24
Question and answer – discussion

08:30
Choosing what to write about ... It’s not easy
B. Rylski, Freiburg

08:39
Question and answer – discussion

08:45
How to get your abstract accepted for a meeting
F. Beyersdorf, Freiburg

08:54
Question and answer – discussion

09:00
Presenting your study: Making a power point presentation
A. P. Kappetein, Rotterdam

09:09
Question and answer – discussion

09:15
Propensity-matched analysis: What am I doing?
M. Mokhles, Rotterdam

09:24
Question and answer – discussion
09:30
A summary of what have we learned these two days
S. Head, Rotterdam

09:40
Question and answer – discussion

10:15-11:45  Focus Session  Forum

Acute extracorporeal support and mechanical circulatory assist
Moderators: G. Gerosa, Padua; A. Ranasinghe, Birmingham; E. Quintana, Barcelona

Learning objectives:
To enhance your knowledge and familiarise with a wider indication of the more recent mechanical resources to improve outcomes of end stage heart failure patients.

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

10:30
EUROMACS, outcomes and growth, second annual report
T. De By, Berlin

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

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

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

11:30
Total artificial heart – what’s new? When to indicate it?
P. Leprince, Paris

10:15-11:45  Focus Session  G104+G105

Is minimally invasive cardiac surgery the present and the future of mitral valve repair?
Moderators: J. L. Pomar, Barcelona; M. Grimm, Innsbruck

Learning objectives:
Despite a wider use of minimally invasive cardiac surgery techniques, some professionals feel the future is somewhere else. Despite similar early outcomes, scientific long term evidence is missing and a deeper debate seems interesting for most heart surgeons.

10:15
A reason for debate?
J. L. Pomar, Barcelona
10:20 Debate: Classic valve surgery is superior  
D. H. Adams, New York

10:30 Live-in-a-box of complex repairs  
D. H. Adams, New York

10:45 Debate: Minimally invasive mitral surgery is good for all patients  
P. Perier, Bad Neustadt/Saale

10:55 Live-in-a-box of complex repairs  
P. Perier, Bad Neustadt/Saale

11:10 In my long experience, mid sternotomy is better  
R. Haaverstad, Bergen

11:15 A trend does not mean we get the best for the patients  
J. Grau, Ridgewood

11:20 Outcomes are the evidence to change the approach  
V. Falk, Berlin

11:25 Is robotic surgery going to make the revolution?  
D. Loulmet, New York

11:30 Teaching Minimally invasive cardiac surgery should be mandatory in current cardiovascular surgery training  
D. Pereda, Barcelona

11:35 Wrap-up  
M. Jahangiri, London

10:15-11:45 Focus Session  

Perioperative complications in cardiac surgery  
Moderators: H. Reichenspurner, Hamburg; A. Kocher, Vienna

Learning objectives:
Better understand the role of surgery and interventional therapies to treat patients with mitral regurgitation.

10:15 Case 1: Functional mitral regurgitation in a patient with LVEF of 30 – 40%, surgery or MitraClip?  
F. Maisano, Zurich

10:30 Case 2: Case with degenerative mitral regurgitation; Surgery or MitraClip?  
R. Klautz, Leiden
When is timing of intervention for mitral regurgitation too late?
O. Alfieri, Milan

Survival of transcatheter mitral valve repair compared with surgical and conservative treatment in high-surgical risk patients
M. Swaans, Nieuwegein

Prognostic role of atrial fibrillation in patients with mitral regurgitation
P. Suwalski, Warsaw

When do asymptomatic patients with mitral regurgitation need treatment?
J. Kluin, Utrecht

10:15–11:45 Abstract Session

Functional mitral regurgitation
Moderators: J. Obadia, Bron; J. Lamelas, Miami Beach

10:15
Is mitral valve repair preferable to replacement in ischaemic mitral regurgitation: A meta-analysis
M. Salmasi, Leicester; M. Acharya, London; S. Hubbard, Leicester; N. Humayun, Leicester; H. Vohra, London
Discussant: M. Kolowca, Rzeszow

10:30
Long-term results of mitral repair in patients with severe left ventricular dysfunction and secondary mitral regurgitation: Does the technique matter?
M. De Bonis; E. Lapenna; T. Nisi; M. Calabrese; F. Pappalardo; A. Pozzoli; G. La Canna; O. Alfieri, Milan
Discussant: R. Weisel, Toronto

10:45
Concomitant mitral valve repair for moderate ischemic mitral regurgitation: A meta-analysis of randomised trials
T. Kopjar, Zagreb; H. Gašparović, Zagreb; C. Mestres, Abu Dhabi; D. Miličić, Zagreb; B. Bilošina, Zagreb
Discussant: G. El Khoury, Brussels

11:00
Optimal results immediately after MitraClip or surgical edge-to-edge for functional mitral regurgitation: Are they really stable at four years?
M. De Bonis; E. Lapenna; N. Buzzatti; G. La Canna; P. Denti; D. Schiavi; F. Pappalardo; O. Alfieri, Milan
Discussant: V. Delgado, Leiden
MitraClip repair is associated with better survival compared to heart-failure models predictions in functional mitral regurgitation

N. Buzzatti, Milan; P. Denti, Milan; D. Schiavi, Milan; L. Vicentini, Milan; M. De Bonis, Milan; G. La Canna, Milan; M. Senni, Bergamo; O. Alfieri, Milan

Discussant: R. Weisel, Toronto

Latest trials in functional mitral regurgitation: What do they teach us?

J. Braun, Leiden

10:15–11:45 Training in Research Session

Clinical studies


Learning objectives:
Understand the execution and reporting of clinical studies.
Describe ethical principles and understand informed consent to protect research participants in clinical trials.
Learn how statistical tools can help you in your daily clinical practice.

10:15
What does it mean: Statistical power?
M. Wyler Von Ballmoos, Milwaukee

10:26
Question and answer – discussion

10:33
Clinical trials: The industry perspective
F. Barbieri, Maastricht

10:44
Question and answer – discussion

10:51
Tips to speed up medical ethics committee approval
Speaker: tba

11:02
Question and answer – discussion

11:09
Statistical data and reporting guidelines: Important to get your paper published
G. Hickey, Manchester

11:20
Question and answer – discussion

11:27
Statistical tools for medical decision making
J. J. M. Takkenberg, Rotterdam

11:38
Question and answer – discussion
10:15-11:45  Focus Session
Emerald Room

Nightmares in cardiothoracic surgery
*Moderators: M. Scarci, Cambridge; A. P. Kappetein, Rotterdam*

10:15
Cardiac
*P. Sardari Nia, Maastricht*

10:40
Thoracic
*D. Wood, Seattle*

11:00
Cardiac
*F. Mohr, Leipzig*

11:25
Thoracic
*J. Räsänen, Helsinki*

10:15-11:45  Simulation Session
F004

Endoscopic port access mitral valve repair
See page 46 for programme details.

11:50-12:20  Plenary Session
Auditorium

The Honoured Guest Lecture

*Medical aspects in space industry*
*A. Kuipers, Amsterdam*

Dr. André Kuipers, Astronaut and Ambassador of Earth is the first Dutchman with two space missions to his name. His second mission was the longest spaceflight in European history. In total the ESA astronaut spent 204 days in space: 11 days during mission DELTA in 2004 and 193 days during mission PromISSe.

After years of training in Houston, Moscow, Cologne, Montreal and Tokyo, a Russian Soyuz spaceship launched André and his two crew members from Russia and America on the 21st of December 2011 from Kazakhstan. Two days later he arrived at the International Space Station to live and work for six months. On board he was not only a medical doctor, scientist and flight engineer, but also handyman and ambassador for several charities. On the 1st of July 2012, André returned to Earth and landed in his space capsule in the Kazakh steppe.

Astronaut André Kuipers offers a unique look behind the scenes of international human spaceflight. He shares his story about the training, the mission and new technologies in his lecture on medical aspects in space industry.

12:25–12:35  EACTS Award Presentations
Auditorium

Acquired Cardiac Disease 75  Tuesday 6 October 2015
Optimising outcomes in coronary surgery

**Moderators:** A. Ruusalepp, Tartu; M. Moon, St Louis; M. Ruel, Ottawa

**Learning objectives:**
Role of antiplatelet therapy in coronary surgery.
Composite grafting and graft assessment.

14:15
Dual antiplatelet treatment related bleeding complications in coronary artery bypass grafting
A. Tomsic; M. A. Schotborgh; J. S. Manshanden; W. W. L. Li; B. De Mol, Amsterdam
Discussant: M. Ranucci, Milan

14:30
Antiplatelet therapy post coronary artery bypass surgery: A complete survey of all cardiothoracic centres across the UK
Y. Haqzad, Beverley; A. Woods, Cottingham; M. Chaudhry, Cottingham; M. Loubani, Cottingham
Discussant: R. Ascione, Bristol

14:45
Transit time flowmetry predicts mid-term patency in coronary artery bypass grafts – suboptimal flows should warrant closer post-operative surveillance
K. Teo, Singapore; H. Jaafar, Jerudong Park; T. Chin, Jerudong Park; E. Sim, Jerudong Park
Discussant: G. Di Giammarco, Chieti

15:00
Transit-time flow measurement in composite arterial grafts and single target anastomoses in coronary bypass surgery
H. Beshir; M. Elhamami; A. Saleh; B. Ramadan, Alexandria
Discussant: A. Renzulli, Naples

15:15
A. Calafiore, Riyadh; A. Iacò, Riyadh; M. Di Mauro, Lanciano
Discussant: M. C. Wyler Von Ballmoos, Milwaukee

15:30
Bilateral internal mammary artery Y construct with multiple sequential grafting improves survival compared with bilateral internal mammary artery with additional vein grafts: ten year experience at two different institutions
D. Glineur, Brussels; Y. Etienne, Namur; R. Shaw, Rutherford; S. Papadatos, Namur; C. Kuschner, Rutherford; M. Brizio, Rutherford; A. Zapolanski, Rutherford; J. Grau, Ridgewood
Discussant: P. Davierwala, Leipzig
14:15–15:45 Abstract Session

Left ventricular assist device: Latest advances
Moderators: G. Gerosa, Padua; A. Ranasinghe, Birmingham; S. Tsui, Cambridge

Learning objectives:
Implementation new devices.
Strategies for peri-operative complications.

14:15
Multicentre clinical trial experience with the HeartMate III left ventricular assist device: Thirty day outcomes
D. Zimpfer, Vienna; I. Netuka, Prague; J. Schmitto, Hannover; Y. Pya, Astana; J. Garbade, Leipzig; M. Morshuis, Bad Oeynhausen; F. Beyersdorf, Freiburg; T. Krabatsch, Berlin
Discussant: A. Simon, Harefield

14:30
An examination of the HeartWare ventricular assist system Lavare cycle in clinical practice
D. Zimpfer, Vienna; J. Schmitto, Hannover; A. Fiane, Oslo; R. Larbalestier, Perth; S. Tsui, Cambridge; P. Jansz, Sydney; S. Schueler, Newcastle upon Tyne; M. Stueber, Grand Rapids
Discussant: G. Wieselthaler, San Francisco

14:45
A new technique to exclude the left ventricle with an assist device
S. Klotz; R. Meyer-Sarai; A. Frydrychowicz; M. Scharfschwerdt; L. Putman; S. Halder; H. Sievers, Luebeck
Discussant: D. Schibilsky, Tübingen

15:00
Impact of concomitant tricuspid valve repair on left ventricular assist device implantation: A propensity score analysis
Y. Li; R. Ayala; C. Bernt; F. Beyersdorf; M. Berchtold-Herz; J. Kroll; M. Siepe, Freiburg
Discussant: E. Potapov, Berlin

15:15
Genetic variations of phenprocoumon metabolism in patients with ventricular assist devices
O. Krumnau; K. Brehm; F. Beyersdorf; M. Hoffmann; C. Heilmann, Freiburg
Discussant: M. Morshuis, Rotterdam

15:30
Conservative approaches for HeartWare ventricular assist system pump thrombosis may improve the outcome compared to immediate surgical approach
D. Saeed; A. Albert; B. Maxhera; T. Hoffmann; R. Westenfeld; A. Lichtenberg, Düsseldorf
Discussant: K. Brehm, Freiburg

14:15–15:45 Abstract Session

Degenerative mitral regurgitation
Moderators: S. Livesey, Southampton; C. Huber, Berne; T. Hanke, Lübeck

14:15
Early outcomes after mitral valve repair versus replacement in the elderly: A propensity matched analysis
S. Farid; H. Povey; A. Ladwiniiec; A. Ali; N. Moorjani; Y. Abu-Omar, Cambridge
Discussant: J. I. Saez De Ibarra, Palma De Mallorca
14:30
Minimally invasive mitral valve repair for degenerative disease. A multi-centric propensity score matching analysis
K. Fattouch, Palermo; M. Moscarelli, London; M. Del Giglio, Cotignola; A. Albertini, Cotignola; R. Gregorini, Lecce; V. Romano, Bologna; G. Popoff, Firenze; G. Speziale, Bari
Discussant: P. Perier, Bad Neustadt/Saale

14:45
Surgical factors and complications affecting hospital outcome in redo mitral surgery: Insights from a multicentre experience
F. Onorati, Verona; A. Perrotti, Besancon; D. Reichart, Hamburg; G. Santarpino, Nuremberg; G. Mariscalco, Varese; A. Rubino, Catania; M. De Feo, Naples; F. Santini, Genova
Discussant: tba

15:00
Non-infective isolated mitral valve surgery – comparison of redo- with first surgery's outcomes
M. Wilbring; S. Arzt; K. Alexiou; U. Kappert; K. Matschke; S. Tugtekin, Dresden
Discussant: F. Van Praet, Aalst

15:15
Long-term results of mitral valve surgery for degenerative anterior leaflet or bileaflet prolapse: Negative factors for repair, early and late failures of repair and survival analysis
G. Freitas Coutinho; P. Correia; C. Branco; M. Antunes, Coimbra
Discussant: L. De Kerchove, Brussels

15:30
Stroke in minimally invasive mitral valve surgery – a propensity matched analysis
M. Vollroth; P. Kiefer; T. Noack; J. Garbade; M. Misfeld; F. Bakhtiary; F. Mohr; J. Seeburger, Leipzig
Discussant: T. Modine, Lille

14:15–15:45 Abstract Rapid Response Session E102

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

14:15
Pregnancy outcome after thrombosis of a mechanical heart valve prothesis
A. Hassouna; S. Elassy; H. Elgalab; A. Elmidany; C. Abdelsamei; A. Helmi; M. Elghanami Cairo

14:24
Secondary sclerosing cholangitis after cardiac surgery: A complication with a dismal prognosis
I. Aleksic; I. Schade; J. Hoffmann; M. Leistner; S. Sommer; D. Radakovic; C. Schimmer; R. Leyh, Würzburg

14:33
Metabolic syndrome affects outcomes of heart valve surgery
E. Angeloni; G. Melina; S. Refice; A. Roscitano; F. Capuano; C. Comito; R. Sinatra, Rome

14:42
The chaos theory: Preoperative anaemia, blood transfusion or both?
L. A. Lisboa; O. Mejia; L. Faria; L. Dallan; F. Jatene; G. Repliccar, São Paulo

14:51
Thrombus resolution and right ventricular functional recovery using ultrasound-accelerated thrombolysis in acute massive and submassive pulmonary embolism
N. Dikmen Yaman; C. Saricaoglu; A. Akar; B. İnan; S. Durdu; M. Cakici; E. Ozcinar; M. Sirlak, Ankara
15:00
Pulmonary endarterectomy is effective and safe in patients with haemoglobinopathies and abnormal red blood cells
B. Mahesh; M. Besser; A. Ravagiology; A. Klein; C. Ng; S. Tsui; J. Dunning; D. Jenkins, Cambridge

15:09
Twenty five years’ experience with resection of renal tumours with cavoatrial extension in circulatory arrest
A. Dashkevich, Helsinki; E. Bagashej, Munich; M. Pichlmaier, Munich; C. Hagl, Munich; C. Stief, Munich; M. Staehler, Munich; P. Brenner, Munich

15:18
Hypernephroma extending in the retrohepatic vena cava sus-hepatic veins or right atrium: surgical techniques and outcomes in 41 patients
F. Dagenais; M. Gagne-Loranger; F. Pouliot; V. Fradet; L. Lacombe, Quebec

15:27
Concomitant pulmonary artery denervation during mitral valve surgery for pulmonary artery hypertension: First-in-man study
A. Bogachev-Prokophiev; A. Afanasyev; S. Zheleznev; M. Fomenko; D. Demidov; V. Nazarov, Novosibirsk

15:36
Monolateral pulmonary endoarterectomy: An orphan treatment?
V. Grazioli; G. Silvaggio; M. Salati; C. Monterosso; A. Sciortino; M. Pin; N. Vistarini; A. M. D’Armini, Pavia

14:15–15:45 Focus Session

Pilots and passengers after cardiac surgery: So you want to fly again?


Learning objectives:
To understand the criteria of the main airlines for the ‘fit-to-fly’ eligibility of passengers after cardiac surgery.
To understand the occupational health considerations and requirements for pilots undergoing cardiac surgery.
To understand the cardiac surgery options available when considering cardiac surgery in pilots.
To apply appropriate guidance for patients boarding a flight after cardiac surgery.
To comply with the current pilot licensing regulations after cardiac surgery

14:15
Introduction
J. Pepper, London

14:20
Video about aviation medicine (UK-CAA, EASA, IATA, SPHAIR)

14:25
The passenger journey: Fitness to fly with cardiac disease
M. Popplestone, London
The surgical implications of flying as a professional pilot
Speaker: tba

Coronary artery disease and arrhythmia in aircrews
E. Nicol, Henlow

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

Conclusions

14:15–15:45 Focus Session

Challenging the options for younger patients – Minimising long-term risks with biological valves along the patient journey
Moderators: V. Falk, Berlin; A. P. Kappetein, Rotterdam

Learning objectives:
To provide an overview of the long-term risks that younger patients (50–60) face when opting for a biological valve. An overview of current best practices to minimize long-term risks will be provided together with innovations that potentially redefine the odds.

14:15
Defining the long-term risks for younger patients
T. Bourguignon, Tours

14:27
The importance of the first valve choice in order to safeguard reoperation options for the patient
A. Furnary, Portland

14:39
The importance of valve designs with regards to long-term predictable outcomes
S. Loerakker, Eindhoven

14:51
Tissue testing best practices to improve predictability in the absence of long-term in-vivo data
B. Meuris, Leuven

15:03
Redefining the risk of re-operation with valve-in-valve procedures
V. Bapat, London

15:15
When do I implant a mechanical or a biological valves in younger patients?
R. Cartier, Montreal

15:27
Wrap Up – Minimising long-term risks: Summarising innovation needs
14:15–15:45  Focus Session
Emerald Room

Preoperative planning, simulation, 3D printing and intra-operative navigation in cardiothoracic surgery
Moderators: I. Ilonen, Helsinki

14:15
Pre-planning and simulation in cardiothoracic surgery
P. Sardari Nia, Maastricht

14:45
3D printing in cardiothoracic surgery
R. Sodian, Munich

15:15
Intra-operative simulation and navigation in cardiothoracic surgery
N. Ikeda, Tokyo

14:15–15:45 Simulation Session
F004

Endoscopic port access mitral valve repair
See page 46 for programme details

16:00–17:30  Abstract Session
Auditorium

What is new in transcatheter aortic valve implantation
Moderators: C. Huber, Berne; T. Walther, Bad Nauheim; M. Zembala, Zabrze

Learning objectives:
Optimising results in transcatheter aortic valve implantation.
Medium term outcomes of transcatheter aortic valve implantation/

16:00
Comparison of the two common applications used for three-dimensional sizing prior to transcatheter aortic valve implantation
A. Holzamer; M. Zerdzitzki; K. Debl; D. Endemann; D. Camboni; L. Maier; C. Schmid; M. Hilker, Regensburg
Discussant: H. Thyregod, Copenhagen

16:15
Asymmetric calcium distributions of the aortic valve as a risk factor for the need of permanent pacemaker implantation after transcatheter aortic valve implantation
B. Fujita, Bad Oeynhausen; M. Seiffert, Hamburg; M. Kütting, Aachen; S. Scholtz, Bad Oeynhausen; W. Scholtz, Bad Oeynhausen; J. Börgermann, Bad Oeynhausen; J. Gummert, Bad Oeynhausen; S. Ensminger, Bad Oeynhausen
Discussant: D. Wendt, Essen

16:30
Impact of Preoperative left ventricular hypertrophy on clinical outcomes of patients with residual aortic regurgitation ≥2+ after transcatheter aortic valve implantation
N. Buzzatti; A. Latib; E. Agricola; M. Barletta; A. Castiglioni; M. Montorfano; O. Alfieri; A. Colombo, Milan
Discussant: H. Baumbach, Stuttgart
16:45
Two-year outcomes following transapical transcatheter aortic valve implantation from the multicentre engager pivotal trial
H. Treede, Halle
Discussant: A. Driessen, Amsterdam

17:00
Insights from a multicentre prospective transaortic transcatheter aortic valve implantation registry (ROUTE) – a comparison of patients undergoing transaortic transcatheter aortic valve implantation first-line versus last resort
N. Bonaros, Innsbruck; D. Jagielak, Gdansk; M. Romano, Massy; R. Cocchieri, Amsterdam; D. Frank, Kiel; M. Aiello, Pavia; V. Bapat, London; P. Bramlage, Cloppenburg
Discussant: tba

17:15
Impact of changes in left ventricular ejection fraction on survival after trans-apical transcatheter aortic valve implantation
A. D’Onofrio; G. Rizzoli; L. Besola; E. Bizzotto; E. Manzan; R. Bianco; G. Tarantini; G. Gerosa, Padua
Discussant: J. Goiti, Bilbao

16:00–17:45  Focus Session

Aortic valve replacement: Ever had any problems?
Moderators: F. Beyersdorf, Freiburg; V. Delgado, Leiden
Panel: G. Wimmer-Greinecker, Bad Bevensen; R. Klautz, Leiden; C. A. Mestres, Abu Dhabi

Learning objectives:
To understand the surgical and interventional management of common complications after aortic valve and root surgery and learn about strategies for common problems.

16:00
Paravalvular leak after conventional valve replacement
T. Carrel, Berne

16:10
Panel discussion

16:15
Severity assessment (Imaging)
V. Delgado, Leiden

16:25
Panel discussion

16:30
Acute ischemia after conventional valve replacement
D. Schibilsky, Tübingen

16:40
Panel discussion

16:45
Differential diagnosis of perioperative ischemia
M Thielman, Essen

16:55
Panel discussion

17:00
Treatment options (Interventional versus surgery)
G. Wimmer-Greinecker, Bad Bevensen
17:10 Discussion
17:15 Annular enlargement or root replacement
G. Freitas Coutinho, Coimbra
17:25 Discussion
17:30 Sutureless valve or transcatheter aortic valve implantation
P. Klein, Nieuwegein
17:40 Discussion

16:00–17:30 Abstract Session
G104+G105

Case reports & videos
Moderators: M. Siepe, Bad Krozingen; M. Codispoti, Cambridge
Learning objectives:
To assess new options in unusual situations
16:00 Percutaneous transcatheter closure for aortic puncture and paravalvular leak closure with the new Amplatzer III device
B. Winkler; B. Meier; T. Carrel; C. Huber, Berne
16:09 Re-do ascending, total aortic arch and common carotid artery replacement with homograft after infection of ascending, aortic arch and carotid artery graft
M. Shrestha; E. Beckmann; A. Junge; T. Kaufeld; J. Umminger; N. Koigeldiyev; A. Haverich; A. Martens, Hannover
16:24 Extra-anatomic transcatheter aortic valve implantation in a grown up congenital heart disease patient with a Rastelli channel
G. Dahle; G. Eriksen; R. Kumar; S. Birkeland; K. A. Rein, Oslo
16:33 Posterior post-infarction ventricular septal defect repair
B. Moscoso; G. Ventosa-Fernandez; R. Cartaña; D. Pereda, Barcelona
16:48 Chylopericardium causing delayed cardiac tamponade
P. Nanjaiah; T. Combellack; A. Syed; D. Mehta, Cardiff
16:57 Hybrid treatment of thoracoabdominal aneurysm and dissection. Visceral debranching
E. Charchyan; Z. Khachatryan; A. Skvortsov, Moscow
17:12 Pericardio-esophageal fistula: An unusual complication of ablation for atrial fibrillation
A. Jassar; E. Sylvin; J. Kucharzuk; P. Vallabhajosyula, Philadelphia

Acquired Cardiac Disease 83 Tuesday 6 October 2015
Better outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement

Moderators: A. A. Hassouna, Cairo; A. Jeppsson, Gothenburg

16:00
What is the place of new anticoagulant therapy for patients after aortic valve replacement
F. Verheugt, Amsterdam

16:15
International normalised ratio management and mechanical valves; The ESCAT trial
F. Musumeci, Rome

16:30
Effectiveness of rivaroxaban for thromboprophylaxis of prosthetic heart valves in a porcine heterotopic valve model
L. Greiten, Rochester

16:45
Anticoagulation therapy for tissue heart valves, where do we stand?
A. Colli, Padua

17:00
The meaning of leaflet thickening and valve thrombosis in transcatheter aortic valve implantation and surgical aortic prostheses
A. P. Kappetein, Rotterdam

17:15
The optimal Warfarin therapy duration after bioprosthetic aortic valve replacement; weighing risk of mortality, thromboembolic complications, and bleeding
P. Olsen, Copenhagen

New technology in mitral surgery

Moderators: T. A. Folliguet, Vandoeuvre les Nancy; K. Widenka, Leicester

16:00
From bench to bedside – transcatheter mitral valve-in-ring procedures for failed mitral repair: Results of an ex-vivo study and follow-up of an initial patient series
S. Arzt; M. Wilbring; K. Matschke; U. Kappert; K. Alexiou, Dresden

16:09
Transapical implantation of transcatheter valves after failed mitral ring annuloplasty: Mid-term results of ‘valve-in-ring’ procedure in high risk patients
M. Taramasso, Milan; A. Pozzoli, Milan; A. Latib, Milan; F. Nietlispach, Zurich; G. La Canna, Milan; A. Colombo, Milan; O. Alferi, Milan; F. Maisano, Zurich

16:18
Transvalvular mitral bridge for functional mitral regurgitation: Midterm clinical results
S. Cerny; V. Subramanian; I. Skalsky; M. Benesova; K. Mzourkova, Prague
16:27
A novel septal-lateral flexible and remodelling mitral annuloplasty ring – proof of concept in a porcine model
M. Tjørnild, Aarhus; D. Røpcke, Aarhus; S. Nielsen, Aarhus; C. Ilkjær, Aarhus; J. Rasmussen, Aarhus; J. Couetil, Créteil; S. Nielsen, Aarhus

16:36
Rigid remodelling versus fully flexible mitral annuloplasty rings – a novel assessment tool for biomechanical characterisation
S. Skov, Aarhus; D. Ropcke, Aarhus; C. Ilkjær, Aarhus; J. Rasmussen, Aarhus; M. Tjørnild, Aarhus; H. Nygaard, Aarhus; M. Jensen, Atlanta; S. Nielsen, Aarhus

16:45
Effects of the surgical techniques on long-term results in patients with degenerative mitral valve bi-leaflet prolapse
G. Petrone; R. Bellitti; C. Pascarella; G. Nappi; G. Signoriello; P. Santé, Naples

16:54
Long-term outcomes of minimally invasive mitral valve surgery in reoperations on the mitral valve: propensity matched analysis
P. Vallabhajosyula; A. Pulsipher; E. Pitkin; D. Small; T. Wallen; S. Musthaq; M. Acker; W. Hargrove III, Philadelphia

17:03
A new approach for minimally invasive cardiac surgery: The periareolar access
R. Poffo; A. Toschi; C. Mokross; R. Pope, São Paulo

17:12
A matched-pair analysis of non-rib-spreading, fully endoscopic, mini incision technique versus conventional mini-thoracotomy for mitral valve repair
F. S. Westhofen; L. Conradi; T. Deuse; C. Detter; H. Reichenspurner; H. Treede, Hamburg

16:00–17:30 Focus Session E106+E107

A contemporary approach to the aortic valve and aortic root
Moderators: E. Lansac, Paris; M. Misfeld, Leipzig; F. Schoenhoff, Berne

Learning objectives:
To understand the basic principles of aortic valve repair while learning how to prevent recurrence of valve regurgitation. To master the optimal approach to the aortic root in anatomical difficult conditions.

16:00
The role of annuloplasty for aortic valve repair. How to choose among the different proposed options?
R. De Paulis, Rome

16:15
The use of pericardium in aortic valve repair. When is it a durable solution?
G. El Khoury, Brussels

16:30
Valve preserving aortic root surgery. The role of geometry and the needs for leaflet repair
H. Schäfers, Homburg/Saar

16:45
Long term results of external aortic ring annuloplasty for aortic valve repair
Discussant: L. De Kerchove, Brussels
17:00
Valve sparing in various anatomical bicuspid presentation
C. Antonia, Milan

17:15
Root reoperation – tips and tricks
W. Harringer, Braunschweig

16:00–17:30 Simulation Session
Endoscopic port access mitral valve repair
See page 46 for details
A future without suture
Moderators: M. Glauber, Milan; N. Ad, Falls Church; H. Najm, Riyadh; E. Ferrari, Lugano

09:00
Is there a room for innovation in cardiac surgery beyond transcatheter aortic valve replacement?
T. Folliguet, Vandoeuvre les Nancy

09:15
Clinical experience and latest clinical evidence with Intuity rapid deployment valve
C. Young, London

09:30
Clinical experience and latest clinical evidence with Perceval sutureless valve
B. Meuris, Leuven

09:40
Rapid deployment in minimally invasive approaches
M. Borger, Leipzig

09:50
Sutureless valve in minimally invasive approaches
B. Gersak, Ljubljana

10:00
Transcatheter aortic valve implantation in valve procedures: Are sutureless and rapid deployment valves suitable?
V. Bapat, London

10:15
When sutureless and rapid deployment can cover the gap between transcatheter aortic valve implantation and conventional aortic valve replacement
A. Miceli, Milan

10:30
Technical aspects in combined procedure with sutureless and rapid deployment valves
M. Shrestha, Hannover

10:45
Reimbursement and health economic evidence for the sutureless valve and rapid deployment valves
T. Fischlein, Nuremberg

11:00
Break

11:15
Roundtable discussion challenging cases for sutureless and rapid deployment valves: Current and future indications

11:30
Can sutureless valve compete with transcatheter aortic valves?
C. Mignosa, Catania

11:35
Sutureless in homograft
G. Bhatnagar, Toronto
11:40
Rapid deployment in failed freestyle
V. Gariboldi, Marseille
Sutureless valve in failed freestyle root
G. Troise, Brescia

11:45
Sutureless in complex combined procedures
M. Ferrarini, Milan

11:55
Case of severe calcification of the sinotubular junction
P. Rahmann, Cologne

12:00
Sutureless valve in hybrid procedures
D. Gilmanov, Massa

12:05
Treatment of cardiogenic shock with rapid deployment
G. L. Martinelli, Rome

12:10
Sutureless in true bicuspid valves
M. Glauber, Milan

12:15
Final message and conclusions

09:00–12:00  Advanced Techniques

Controversies and catastrophes in adult cardiac surgery
Moderators: G. P. Fontana, New York; J. Bachet, Nogent sur Marne; M. Shrestha, Hannover

Learning objectives:
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

09:05
The heart team: Does it really function or is it a mirage?
C. Nienaber, Rostock

09:15
Discussion

09:20
Transcatheter aortic valve replacement in low(er) risk patients: How low will it go?
G. Fontana, New York

09:30
Discussion

09:35
Current guidelines on aortic valve replacement from evidence based medicine to payment based medicine
T. Folliguet, Vandoeuvre les Nancy

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09:45
Discussion

09:50
Total aortic arch replacement: Conventional or hybrid
*J. Bachet, Nogent sur Marne*

10:00
Discussion

10:05
Break

10:20
Preventing expansion in the aortic root
*J. Pepper, London*

10:30
Discussion

10:35
Catastrophies in aortic surgery
*A. Martens, Hannover*

10:45
Discussion

10:50
Closed versus open mitral ring for repair
*E. Raanani, Ramat Gan*

11:00
Discussion

11:05
When is the right time to do post-coronary artery bypass graft bail-out coronary angiogram
*J. Widder, Hannover*

11:15
Discussion

11:20
Near miss or direct hit?
*S. Nashef, Cambridge*

11:30
Discussion

11:35
Closing remarks
*M. Shrestha, Hannover*
Multiple arterial grafting

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

Learning objectives:
To widespread the use of arterial grafting.
To improve long-term result of coronary artery bypass graft.

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

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

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

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

10:00
Panel discussion

10:30
Break

11:00
What to do in case of moderate coronary stenosis and arterial grafting
H. Nakajima, Saitama

11:15
In-situ versus composite, is there a difference in competition of flow?
D. Glineur, Brussels

11:30
Which arterial graft for the right coronary artery is the best?
J. Grau, Ridgewood

11:45
Grafting the right coronary artery, why is the right gastroepiploic artery not a standard?
G. Tavilla, Leiden

12:00
Panel discussion
09:00–12:30  Advanced Techniques  
Emerald Room

How to do it? With live in a box
*Moderators: E. Quintana, Barcelona; M. Scarci, Cambridge; V. Falk, Berlin*

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

09:20
How to resect a pancoast tumour  
*E. Fadel, Le Plessis-Robinson*

09:40
How to repair the tetralogy of Fallot  
*B. Asfour, Sankt Augustin*

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

10:20
How to do a hybrid arch replacement  
*J. Bavaria, Philadelphia*

10:40
How to do a thoracoabdominal aortic aneurysm  
*M. Jacobs, Maastricht*

11:00
How to do a Maze IV  
*E. Quintana, Barcelona*

11:20
How to do and select patients for an aortic valve repair in bicuspid aortic valve  
*H. Schäfers, Homburg/Saar*

09:00–12:00  Wetlab  
E104+E105

Mitral Valve Repair  
*Moderators: M. De Bonis, Milan; S. Livesey, Southampton; R. Sádaba, Gorraiz*

This wetlab will be restricted to 40 participants. Registration is required and will be available at the on-site registration desks. Fee €20.
10:30-12:00 Learn from the experts how to do a remodelling or a re-implantation procedure

**Advanced Techniques and Wetlab**
*Moderators: D. Cameron, Baltimore, R. De Paulis, Rome*

**Teachers for remodelling**
*E. Lansac, Paris; P. Urbanski, Bad Neustadt; D. Aicher, Homburg/Saar; J. Vojacek, Hradec Kralove*

**Teachers for reimplantation**
*D. Cameron, Baltimore, R. De Paulis, Rome; M. Shrestha, Hannover; L. De Kerchov, Brussels; D. Pacini, Bologna*

This wetlab will be restricted to 50 participants per session, split over the two procedures. Registration is required and will be available at the On-Site registration desks where you must choose either remodelling or re-implantation. The session will be repeated. Fee €20.
Thoracic Disease Domain Programme
Malignant pleural mesothelioma. From biomolecular aspects to maximal invasive surgery: what thoracic surgeons should know

Moderators: R. Schmid, Berne
Surgery from European Institute of Oncology, Milan

Live surgery
Extrapleural Pneumonecctomy: Right and Left
W. Klepetko, Vienna and L. Spaggiari, Milan
Extended Pleurectomy/ Decortication
D. Waller, Leicester
Pleurectomy/ Decortication palliation
L. Spaggiari, Milan

Session 1: Diagnosis and Surgery for Mesothelioma
Moderators: A. Patterson, St Louis; P. Van Schil, Antwerp

09:00
Diagnosis of malignant pleural mesothelioma: imaging
To be announced

09:30
Diagnosis of malignant pleural mesothelioma: invasive diagnosis and staging
M. Zielinski, Poland

10:00
Diagnosis of malignant pleural mesothelioma: pathologist lecture
G. Fontanini, Pisa

10:30
The role of biomarkers
To be announced

11:00
State of the art, surgeon’s view
D. Rice, Houston
11:30
State of the art, oncologist’s view
J.B. Soerensen. Copenhagen

12:30
Lunch

13:30–18:00  Outcome

Session 2: Outcome
Moderators: H. Winter, Munich; P. Van Schil, Antwerp

13:30
Outcomes of surgery: Extrapleural pneumonectomy
H. Dienemann, Heidelberg

14:00
Outcomes of surgery: Pleurectomy and hyperthermia
M. Lucchi, Pisa

14:30
Outcomes of surgery: Palliation
T. Treasure, London

15:00
The role of targeted therapy
J. van Meerbeeck, Antwerp

15:30
Surgical complications, management
W. Klepetko. Vienna

16:00
Mesothelioma registry: what’s the lesson?
To be announced

16:30
Trials
S. Burgers, Amsterdam

17:00
Discussion and additional time for live surgery
Pneumonectomy controversies: What is the problem?

Moderators: P. E. Van Schil, Edegem

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

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

08:45
Stump closure
D. Mathisen, Boston

09:00
Complications after pneumonectomy

09:15
Perioperative management: Anaesthesiologist’s view
F. Guarracino, Pisa

08:15–11:45 Safer surgery for whom?

See page 27 for details.

08:15–16:00 Nurse and Nurse Physician Programme

See page 39 for details.

Management of oesophageal perforations

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

10:15
Primary repair
D. Wood, Seattle

10:30
Stent placement
tba

10:45
Alternative measures
P. B. Rajesh, Birmingham

11:00
Delayed perforations
M. Jimenez, Salamanca
10:15–11:45  Focus Session  

Basic Science – Lung  

Moderators: R. A. Schmid, Berne; B. Döme, Vienna

10:15  
Thymoma pathology: the role of RAGE axis molecules and heat shock proteins  
B. Moser, Vienna

10:37  
Vascularization of primary and secondary lung tumors: from basic science to therapeutics  
B. Döme, Vienna

10:59  
Lung cancer and stem cells  
T. Marti, Berne

11:21  
Stem cells in acute and chronic lung injury and repair  
A. Gazdar, Berne

11:55-13:15  Plenary Session  

CanBetter: optimising training programs in Cardio-thoracic surgery  
See Page 30 for details
Management of acquired tracheal disorders: from stenosis to laceration

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

13:45
Tracheal stenosis
F. Rea, Padua

14:00
Idiopathic stenosis
D. Mathisen, Boston

14:15
Tracheoesophageal fistulas
S. Mussot, Le Plessis Robinson

14:30
Tracheal lacerations
F. Melfi, Pisa

13:45–15:45 Women in cardiac surgery

See Page 36 for details
Thoracic oncology I: Staging

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

Learning objectives:
To understand the impact of histology and imaging characteristics in lung cancer staging.
To evaluate the Importance of nodal assessment.

08:15
Fluorodeoxyglucose uptake on positron emission tomography correlates with the International Association for the Study of Lung Cancer/the American Thoracic Society/European Respiratory Society histologic subtypes and prognosis of clinical stage IA lung adenocarcinoma
Y. Miyata; T. Mimura; Y. Tsutani; T. Mimae; T. Yoshiya; M. Ito; Y. Kai; A. Kagimoto, Hiroshima
Discussant: E. Rendina, Rome

08:30
Does video mediastinoscopy with frozen sections improve mediastinal staging during video-assisted thoracoscopic pulmonary resections?
A. Gonfiotti, Ponte Buggianese; S. Bongiolatti, Firenze; D. Viggiano, Firenze; S. Borgianni, Firenze; R. Borrelli, Firenze; G. Tancredi, Firenze; L. Voltolini, Siena
Discussant: P. De Leyn, Leuven

08:45
Accuracy of sentinel node biopsy by 99mTc-phytate in patients with non-small cell lung carcinoma
R. Bagheri; R. Sadeghi; R. Afghani; V. R. Dabagh; S. Shafiei; D. Attaran, Mashhad
Discussant: M. Allen, Rochester

09:00
Prediction of pathologic factors in clinical T1 lung adenocarcinoma by tumour volume using three-dimensional computed tomography images.
K. Matsumoto; Y. Ogihara; N. Yamasaki; T. Tsukita; T. Miyazaki; H. Hayashi; K. Ashizawa; T. Nagayasu, Nagasaki
Discussant: K. Athanassiadi, Athens

09:15
Proposed new clinical criteria of multiple primary lung cancers based on prognosis
T. Matsunaga; K. Suzuki; K. Takamochi; S. Oh, Tokyo
Discussant: G. Friedel, Gerlingen
08:15–09:45 Abstract Session

**Non oncology I**

*Moderators: D. Waller, Leicester; D. Subotic, Belgrade*

**Learning objectives:**
To learn the management of spontaneous pneumothorax.
To understand the current surgical management of pleuro-pulmonary sepsis.

**08:15**

Does primary spontaneous pneumothorax really need surgical treatment?
R. Bilancia; A. Sharkey; A. Paik; I. Chahuan; R. Vaja; D. Waller, Leicester
Discussant: G. Cardillo, Rome

**08:30**

Multidisciplinary approach of catamenial and endometriosis-related pneumothorax
P. Ciriaco; A. Bandiera; A. Carretta; G. Melloni; G. Negri; M. Candiani; P. Zannini, Milan
Discussant: M. Scarci, Cambridge

**08:45**

Thoracoscopic pleural tent for spontaneous pneumothorax
R. Kawachi; K. Tachibana; S. Karita; R. Tanaka; Y. Nagashima; H. Takei; H. Kondo, Tokyo
Discussant: C. Zirafa, Pisa

**09:00**

Decortication of empyema thoracis in children: a large single-centre perspective
M. Mohamed Mydin; S. Kiani; A. Hasan; M. Thomas; M. Brodlie; D. Spence, Newcastle upon Tyne
Discussant: D. Mathisen, Boston

**09:15**

Thoracoscopic management of early stages in empyema: Is this the golden standard?
H. Elsayed; E. Fathy; A. Mostafa; H. El-Bawab; H. Diab; S. Soliman; A. El-Kerdany; A. El-Nori, Cairo
Discussant: G. Shahin, Zwolle

**09:30**

Robot-assisted thoracoscopic anatomical pulmonary resection for cavitary tuberculosis
P. Yablonskii; G. Kudrashov; S. Nuraliev; I. Vasilev; A. Avetisyan; O. Sokolova; V. Zhuravlev, St Petersburg
Discussant: G. Kocher, Berne

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**08:15-09:45 Focus Session**

**Emerald Room**

**Work in progress**

See page 45 for programme details

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**08:15-09:45 Simulation Session**

**F004**

**Endoscopic port access mitral valve repair**

See page 46 for programme details
Thoracic oncology II: Perioperative management

Moderators: L. Spaggiari, Milan; G. Kocker, Berne

Learning objectives:

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

10:15
Marginal pulmonary function for lung cancer surgery is associated with poor short- and long-term outcomes
N. Ozeki; K. Kawaguchi; T. Okasaka; T. Fukui; K. Fukumoto; S. Nakamura; K. Yokoi, Nagoya
Discussant: M. Jimenez, Salamanca

10:30
Fissureless video-assisted thoracoscopic lobectomy for all lung lobes: A better alternative to decrease the incidence of prolonged air leak?
D. Stamenovic, Karlsruhe; K. Bostanci, Istanbul; A. Messerschmidt, Karlsruhe; T. Jahn, Karlsruhe; T. Schneider, Karlsruhe
Discussant: S. Stamenkovic, Newcastle upon Tyne

10:45
The evolution of intra-operative conversion in video-assisted thoracoscopic lobectomy
A. Vallance; P. Tcherveniakov; V. Tentzeris; C. Bogdan; N. Chaudhuri; R. Milton; E. Kefaloyannis, Leeds
Discussant: tba

11:00
The stapler technique could be appropriate procedure for dissection of inter-segmental plane in pulmonary segmentectomy in comparison with electrocautery-propensity score-matched analysis of postoperative lung function
T. Maeyashiki, Bunkyo-ku; K. Takamochi, Bunkyo-ku; S. Oh, Tokyo; K. Suzuki, Tokyo
Discussant: L. Spaggiari, Milan

11:15
Analysis of lymph node impact on conversion of complete thoracoscopic lobectomy to open thoracotomy
Y. Li, Beijing
Discussant: tba

11:30
Robotic lobectomy in thoracic oncology: Early experience and outcomes
V. Lacroix; Z. Mosala Nazhad; A. Poncelet; T. Pieters; D. Kahn; G. Elkhoury; P. Noirhomme, Brussels
Discussant: O. Fanucchi, Pisa
Minimally invasive surgery for lung cancer: Up to date

Moderators: P. B. Licht, Odense; S. Rathinam, Leicester; R. Schmid, Berne

Learning objectives:
To review the advantages of the different VATS lobectomy techniques.

10:15
VATS lobectomy, where do we stand?
P. B. Licht, Odense

10:33
Uniportal approach and awake VATS lobectomy
D. Gonzalez, Coruña

10:51
VATS lobectomy: Taking the plunge
G. Kocher, Berne

11:09
Challenging procedures and complications
H. Decaluwe, Leuven

11:27
VATS versus open lobectomy
D. Mathisen, Boston
Cardiothoracic Surgery residents – where do we come from and where are we heading
See page 53 for programme details

Meet the experts in robotic cardio-thoracic surgery

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

**Panel:** J. Bonatti, Abu Dhabi; F. Melfi, Pisa; J Ruckert, Berlin; J. Dunning, Middlesbrough; L. W. Nifong, Greenville

**Learning objectives:**
To evaluate if robotic surgery could facilitate and extend the adoption of minimally-invasive operation techniques and economic stability.

14:15
Robotic Cardiac Overview
J. Bonatti, Abu Dhabi

14:30
Robotic Thoracic Overview
F. Melfi, Pisa

14:45
The hospital manager’s point of view
C. Milli, Pisa

15:00
The company’s point of view
T. Bonciani, Aubonne

Mediastinum

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

**Learning objectives:**
To learn the current status of laryngotracheal resection.
To understand innovative strategies for esophageal reconstruction.

14:15
Long term results of laryngotracheal resection for benign stenosis from a series of 108 consecutive patients
A. D’Andrilli; G. Maurizi; A. M. Ciccone; C.Andreotti; M. Ibrahim; C. Poggi; F. Venuta; E. Rendina, Rome

Discussant: P. Van Schil, Edegem
14:30 Evaluation of the gastric sleeve after esophagectomy by laser-induced fluorescence angiography – a matched-pair analysis
I. Karampinis; F. Sandra-Petrescu; K. Nowak; S. Post, Mannheim
Discussant: M. Zielinski, Zakopane

14:45 Minimally invasive esophagectomy for esophageal squamous cell carcinoma: Results of lymph nodes dissection
B. Ye, C. Zhong; Y. Yang; W. Fang; T. Mao; C. Ji; H. Chen; Z. Li, Shanghai
Discussant: T. Lacin, Istanbul

15:00 Subcutaneous esophageal reconstruction after esophagectomy: A feasible alternative in high risk patients?
J. H. Chung1, S. H. Lee1, K. T. Kim1, C. B. Ahn2, K. H. Son2; 1Seoul (Korea), 2Incheon (Korea)
Discussant: D. Wood, Seattle

15:15 Correlation between preoperative anterior mediastinal tissue volume and anti-acetylcholine receptor antibody for patients with myasthenia gravis undergoing extended thymectomy
A. Takahagi; M. Omasa; T. Kondo; F. Chen; M. Sonobe; H. Date, Kyoto
Discussant: M. Lucchi, Pisa

14:15–15:45 Focus Session Emerald Room

Pro and cons debates
See page 58 for programme details

14:15–15:45 Training in Research Session F003

All you need to know for your next research project – Part II
See page 59 for programme details

14:15–15:45 Simulation Session E103

Endoscopic port access mitral valve repair
See page 46 for programme details
16:00–17:30 Focus Session

TNM classification: 8th edition

**Moderators:** R. Rami-Porta, Barcelona; D. E. Wood, Seattle

16:00
Lung cancer
*R. Rami-Porta, Barcelona*

16:15
Mesothelioma
tba

16:30
Thymus
*F. Detterbeck, New Haven*

16:45
Oesphagus
*A. Lerut, Leuven*

16:00–17:30 Abstract Rapid Response Session

**Moderators:** D. Waller, Leicester; R. A. Schmid, Berne; P. B. Rajesh, Birmingham; K. Athanassiadi, Athens

16:00
Crossing the bridge to video assisted thoracoscopic lobectomy – a novel training method
*P. Tcherveniakov; C. Bogdan; N. Chaudhuri, Leeds*

16:09
Back-table-operation and auto-lung transplantation for locally advanced lung cancer
*Y. Karube; M. Chida; T. Inoue; M. Nishihira; O. Araki; S. Kobayashi; T. Sado, Mibu*

16:18
Incidence, severity and risk factors of atrial fibrillation after lung cancer surgery
*Y. Muranishi; M. Sonobe; T. Menju; A. Aoyama; F. Chen; T. Sato; H. Date, Kyoto*

16:27
Survival and prognostic factors after pulmonary metastasectomy of colorectal cancers: Influence of liver metastasis
*S. Kim, Seoul; H. K. Kim, Seoul; J. H. Cho, Seoul; K. Kim, Gyeonggi; J. Kim, Seoul; Y. S. Choi, Seoul; J. I. Zo, Seoul; Y. M. Shim, Seoul*

16:36
Prognosis of surgically resected lung adenocarcinoma patients with primary adenocarcinoma in other organs
*E. Yi; H. Jang; S. Park; K. W. Shin; S. Cho; K. Kim; S. Jheon, Seongnam-si*

16:45
18F-fluorodeoxyglucose radio metabolic findings in surgically resected patients with pulmonary sarcomatoid carcinomas
*C. Rapicetta, Reggio Emilia; F. Lococo, Reggio Emilia; A. Stefani, Modena; A. Filice, Reggio Emilia; T. Ricchetti, Reggio Emilia; U. Morandi, Modena; A. Franceschetto, Modena; M. Paci, Reggio Emilia*

Monday 5 October 2015 104 Thoracic Disease
Does pulmonary endarterectomy have a role for surgical treatment of pulmonary hypertension caused by echinococcosis disease?

B. Yıldızeli; N. Ermerak; S. Tas; M. Yanartas; T. Lacin; B. Sayan; H. Sunar; S. Olgun Yildizeli, Istanbul

Management of bleeding caused by vascular injury during complete thoracoscopic lobectomy

Y. Li, Beijing

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

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

16:00–17:30 Training in Research Session F003

How to statistically analyse your next research project

See page 64 for programme details

16:00–17:30 Simulation Session F004

Endoscopic port access mitral valve repair

See page 46 for programme details
Thoracic oncology III: Postoperative follow up

Moderators: P. E. Van Schil, Edegem; A. M. Ciccone, Rome; G Friedel, Gerlingen

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

08:15
Long-term outcome in sixty three resected adrenocorticotropic hormone-secreting lung carcinoids: a multicentric study
A. Imperatori, Varese; S. La Rosa, Varese; P. Granone, Rome; M. Papotti, Orbassano; S. Uccella, Varese; R. Maragilano, Varese; E. Nardecchia, Varese; N. Rotolo, Varese
Discussant: G. Shahin, Zwolle

08:30
Postoperative follow-up strategy based on recurrence dynamics for non-small-cell lung cancer
K. Watanabe, Kawasaki; M. Tsuboi, Yokohama; T. Maehara, Yokohama; H. Nakayama, Yokohama; M. Masuda, Yokohama
Discussant: L. Luzzi, Siena

08:45
Adjuvant chemotherapy for stage IB non–small cell lung cancer based on blood vessel invasion
Y. Kudo; Y. Shimada; R. Amemiya; Y. Kato; M. Kakihana; N. Kajiwara; T. Ohira; N. Ikeda, Tokyo
Discussant: G. Friedel, Gerlingen

09:00
Long-term results of percutaneous radiofrequency ablation of pulmonary metastases
V. Aprile; O. Fanucchi; S. Korasidis; P. Dini; F. Davini; F. Melfi; M. Ambrogi; A. Mussi, Pisa
Discussant: P. Van Schil, Edegem

09:15
Chest Kinesio Taping® for pain control after lobectomy for lung cancer: initial results of a randomized study
A. Imperatori; A. Grande; S. Spampatti; M. Castiglioni; M. Cattoni; L. Gasperini; L. Terzaghi; N. Rotolo, Varese
Discussant: P. Rajesh, Birmingham

09:30
A logistic regression model for predicting recurrence in stage I non-small cell lung cancer based on copy number variation
P. Tcherveniakov; A. Gusnanto; H. Wood; P. Rabbitts; R. Milton, Leeds
Discussant: M. Rodriguez, Salamanca
Thoracic non oncology II

Moderators: S. Alnassar, Riyadh, D. Subotic, Belgrade, D. Waller, Leicester

Learning objectives:
To understand the reasons for ICU readmission following pulmonary resection.
To evaluate how to manage intra and postoperative challenges.

08:15
Intensive care unit readmission after major lung resection: Prevalence, pattern, and mortality
J. J. Jung, Changwon-si; T. H. Hong, Seoul; J. H. Cho, Seoul; H. K. Kim, Seoul; Y. S. Choi, Seoul; J. Kim, Seoul; J. I. Zo, Seoul; Y. M. Shim, Seoul
Discussant: A. Lerut, Leuven

08:30
Management of thoracic trauma and analysis of risk factors for death
M. Beshay, Bielefeld; M. Abdel Bary, Quena; F. Metzlufft, Bielefeld; H. W. Kottkamp, Bielefeld; D. Branscheid, Bielefeld
Discussant: M. Fuentes Gago, San Sebastian

08:45
Do we need a new evidence of video-assisted thoracoscopic surgery and feasibility in benign pathologies?
H. Elkhayat, Assiut; S. Kaya, İzmir; A. Ghoneim, Assiut; M. Khairy, Assiut
Discussant: S. Rathinan, Leicester

09:00
Idiopathic ipsilateral pulmonary infarction after major lung resection
E. Kefaloyannis; V. Kouritas; N. Chaudhuri; R. Milton, Leeds
Discussant: D. Subotic, Belgrade

09:15
A magnet built-on bronchoscopic suction for extraction of tracheobronchial headscarf pins
H. Elsayed; S. Soliman; A. Mostafa; A. El-Nori; H. El-Bawab; A. El-Kerdany, Cairo
Discussant: L. Luzzi, Siena

08:15-09:45 Training in Research Session

A summary of essentials for your next research project

See page 70 for programme details
Case reports

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

Learning objectives:
To discuss the challenges in treatment of unusual cases.

10:15

The use of dual Novalung as a bridge to lung transplantation in a patient with pulmonary hypertension

J. Mayes, Becketham; G. Niranjan, Newcastle upon Tyne; L. P. Ong, Newcastle upon Tyne; S. Clark, Newcastle upon Tyne; J. Dark, Newcastle upon Tyne

10:30

Video-assisted thoracoscopic lobectomy for huge pulmonary abscess due to intralobar sequestration

F. Montinaro, Prato; F. Battisti, Florence; M. Scatizzi, Prato; G. Giaconi, Prato; L. Romoli, Prato; V. Silvestri, Prato; R. Fargnoli, Prato; G. Gorini, Florence

10:45

Withdrawal of lungs from uncontrolled donation after cardiac death: The lesson learned from the first case

A. Palleschi, Milan; M. Nosotti, Milan; L. Rosso, Milan; D. Tosi, Milan; L. Santambrogio, Milan; B. Safaeef Fakhri, Milan; G. Citerio, Monza; F. Valenza, Milan

11:00

Esophageal perforation and aortic rupture following aspiration of a foreign body

B. Sayan; T. Lacin; N. Ermerak; N. Yiyit; M. Yuksel, Istanbul

11:15

Acute pulmonary artery obstruction as the primary manifestation of a rapidly growing intimal sarcoma in a 54-year old patient

F. S. Westhofen; C. Kugler; T. Tsourlakis; M. Kubik; M. Silaschi; H. Reichenspurner; T. Deuse, Hamburg

11:30

Trans-pericardial closure of broncho-pleural fistula in a patient with dextrocardia via re-do sternotomy

M. Salmasi; M. Chowdhry; A. Paik; A. Nakas, Leicester

Lung transplantation

Moderators: A. Bertani, Palermo; W. Klepetko, Vienna

Learning objectives:
To understand the current role of novel lung preservation strategies.
To understand the impact of postoperative complications following lung transplantation.

10:15

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

T. Egan, Chapel Hill; J. Blackwell, Chapel Hill; S. Gazda, Chapel Hill; D. Yuan, Chapel Hill; K. Birchard, Chapel Hill; J. Long, Chapel Hill; B. Haithcock, Chapel Hill; C. Thys, Durham

Discussant: L. Voltolini, Siena

Tuesday 6 October 2015
10:30
Zonal organ allocation system and its impact on long-term outcomes after lung transplantation: A propensity matched analysis
M. Zeriouh, Cologne; A. Sabashnikov, Cologne; N. Patil, London; A. Weymann, Harefield; P. Mohite, Harefield; S. Soresi, Harefield; A. Popov, Harefield; A. Simon, Harefield
Discussant: F. Rea, Padua

10:45
Utilisation of the organ care system for bilateral lung transplantation: Preliminary results of a comparative study
M. Zeriouh, Cologne; A. Sabashnikov, Cologne; B. Zych, Harefield; D. Garcia, Harefield; P. Mohite, Harefield; A. Popov, Harefield; A. Simon, Harefield
Discussant: A. Bertani, Palermo

11:00
Is universal antifungal prophylaxis mandatory in adults after lung transplantation? A metaanalysis of observational studies
K. Pilarczyk; H. Carstens; J. Heckmann; H. Jakob; N. Pizanis; M. Kamler, Essen
Discussant: M. Verkroost, Nijmegen

11:15
Prolonged intensive therapy unit stay after bilateral lung transplantation – impact on functional, rejection & survival outcomes
L. P. Ong; A. Sachdeva; E. Thompson; G. Parry; S. Clark, Newcastle upon Tyne
Discussant: S. Taghavi, Vienna

10:15-11:45 Training in Research Session
F003
Clinical studies
See page 74 for programme details

10:15-11:45 Focus Session
Emerald Room
Nightmares in cardiothoracic surgery
See page 75 for programme details

10:15-11:45 Simulation Session
F004
Endoscopic port access mitral valve repairs
See page 46 for programme details

11:50-12:20 Plenary Session
Auditorium
The Honoured Guest Lecture
Medical aspects in space industry
A. Kuipers, Amsterdam
See page 75 for programme details
Guidelines

Moderators: J. Janssen, Nijmegen; R. A. Schmid, Berne; M. Sousa Uva, Lisbon

14:15
How to make clinical guidelines
M. Sousa Uva, Lisbon

14:35
The surgeon’s view on the ERS statement on primary spontaneous pneumothorax
G. Cardillo, Rome

14:53
Pulmonologist’s view on the ERS statement on primary spontaneous pneumothorax
J. Janssen, Nijmegen

15:11
EACTS statement on pleural empyema
M. Scarci, Cambridge

15:29
How do we follow up lung cancer patients after surgery with curative intent?
M. Taylor, Shrewsbury

Basic science and education

Moderators: H. J. Ankersmit, Vienna; R. R. Guerrero, Liverpool

Learning objectives:
To understand the importance of thoracic training and certification for patient’s outcome following lung cancer surgery.
To learn novel cellular and molecular biology strategies for wound healing and tissue repair.

14:15
The impact of certification of general thoracic surgeons on the mortality of surgery for lung cancer: A survey by the Japanese Association for Thoracic Surgery
T. Nagayasu, Nagasaki; S. Sato, Nagasaki; N. Yamasaki, Nagasaki; S. Endo, Shimotsuke; F. Tanaka, Kitakyushu; H. Yokomise, Takamatsu; M. Okumura, Suita

Discussant: P. Rajesh, Birmingham
14:30
Development of a video-assisted thoracoscopic surgery lobectomy program in a single institution: Results before and after completion of the learning curve
A. Gonfiotti, Ponte Buggianese; S. Bongiolatti, Firenze; S. Borgianni, Firenze; R. Borrelli, Firenze; G. Tancredi, Firenze; D. Viggiani, Firenze; L. Voltolini, Siena
Discussant: P. B. Licht, Odense

14:45
Transduced autologous fibroblasts on an acellular dermis scaffold proliferate in host bronchial tissue and enhance bronchial anastomotic healing in a rodent model
E. Roessner; F. Doyon; M. Vitacolonna; C. Tsagogiorgas; P. Hohenberger, Mannheim
Discussant: F. Petrella, Busto Arsizio – Varese

15:00
Dysregulation of the alternative renin-angiotensin system during lung ischemia-reperfusion injury
J. Gielis, Edegem; K. Kehoe, Wilrijk; P. Van Schil, Edegem; P. Cos, Wilrijk; I. De Meester, Wilrijk
Discussant: H. Ankersmit, Vienna

15:15
Patch replacement of left hemidiaphragm in dogs by decellularized heterograft
H. Davari, Tehran; M. Rahim, Tehran; N. Tanideh, Shiraz; M. Sani, Shiraz; A. Rasekhi, Shiraz; A. Monabati, Shiraz; O. Koohi Hosseinabadi, Shiraz; S. Gholami, Shiraz
Discussant: M. Versteegh, Leiden

15:30
Schedule-dependent increased efficiency of pemetrexed-ionizing radiation combination therapy elicits a differential DNA damage response in lung cancer cells
P. Dorn; C. Tièche; L. Froment; R. Peng; R. Schmid; T. Marti, Berne
Discussant: P. Van Schil, Edegem

14:15–15:45 Focus Session
Emerald Room
Preoperative planning, simulation, 3D printing and intra-operative navigation in Cardio-Thoracic surgery
See page 81 for programme details

14:15–15:45 Simulation Session
Endoscopic port access mitral valve repair
See page 46 for programme details
16:00–17:30  Focus Session  

**Sublobar resections: Controversies**  
*Moderators: G. A. Patterson, St Louis; H. Porte, Lille*

**16:00**  
Functional aspects: Is it a real advantage? Pro  
*J. Nakas, Leicester*

**16:15**  
Functional aspects: Is it a real advantage? Con  
*F. Puma, Perugia*

**16:30**  
Lesion size and histology matter? Pro  
*P. Van Schil, Edegem*

**16:45**  
Lesion size and histology matter? Con  
*S. Musso, Le Plessis Robinson*

**17:00**  
Anatomic segmentectomy: Feasibility. Pro  
*D. Waller, Leicester*

**17:15**  
Anatomic segmentectomy: Feasibility. Con  
*G. Stamatis, Essen*

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16:00–17:30  Abstract Session  

**Chest wall**  
*Moderators: H. K. Pilegaard, Aarhus; M. P. Tocco, Rome*

**Learning objectives:**  
To evaluate the physiological impact of pectus excavatum and to repair.  
To learn novel chest wall reconstructive strategies.

**16:00**  
Growth development of patients with pectus excavatum  
*J. Kim, Seoul; H. J. Park; Uijeongbu*  
*Discussant: J. R. M. De Campos, São Paulo*

**16:15**  
Cardiac function in adults following minimally invasive repair of pectus excavatum  
*S. Udholm; H. K. Pilegaard; V. Hjortdal, Aarhus*  
*Discussant: R. Schmid, Berne*

**16:30**  
Thirteen years’ experience with the Nuss procedure in pectus excavatum – a single centre report  
*B. Hoksch; R. Schmid, Berne*  
*Discussant: M. Infante, Rozzano*
Complete video-assisted thoracoscopic first rib resection in thoracic outlet syndrome
J. Hwang; W. Jo; J. S. Shin; B. J. Min, Ansan
Discussant: tba

Chest wall stabilisation and reconstruction: Short and long-term results five years after the introduction of a new titanium plates system
A. De Palma, Bari; F. Sollitto, Foggia; D. Loizzi, Foggia; F. Di Gennaro, Bari; M. Loizzi, Bari
Discussant: M. Versteegh, Leiden

Massive chest wall resection and reconstruction for malignant disease
C. N. Foroulis, Kalamaria; A. Kleontas, Thessaloniki; G. Tagarakis, Thessaloniki; C. Nana, Thessaloniki; I. Alexiou, Thessaloniki; V. Grosomanidis, Thessaloniki; P. Tossios, Thessaloniki; K. Anastasiadis, Thessaloniki
Discussant: L. Carbone, Rome

Endoscopic port access mitral valve repair
See page 46 for programme details
09:00-10:30 Warlab

VATS lobectomy

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

This wetlab will be restricted to 30 participants. Registration is required and is available at the on-site registration. Fee €20

09:00–10:30 Focus Session

Video session

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

Learning objectives:
To give the participants the opportunity to learn new techniques.

09:00
Tracheal laceration repaired through the rigid bronroscope. A new technique
K. Iliadis; D. Mallios; A. Krassas; G. Benakis; I. Makri; A. Agiannidou, Athens

09:15
Thoracoscopic repair of pulmonary artery injury
S. Yamashita; A. Iwasaki, Fukuoka

09:30
A novel technique for reconstruction of anterior chest wall: Bridging the clavicles using titanium plates
T. Lacin; L. Alpay; I Yalçınkaya; M. Yuksel, Istanbul

09:45
Middle lobe microlobectomy
M. Elsaegh; J. Dunning, Middlesbrough

10:00
Robotic diaphragmatic plication
M. Elsaegh; J. Dunning, Middlesbrough

10:15
Computer-assisted surgery: Intraoperative navigation for resection and reconstruction of a large thoracic wall tumour involving the vertebral bodies
J. Lutz, Berne

09:00-12:30 Advanced Techniques

How to do it? With live in a box
See page 91 for details
Congenital Heart Disease Domain Programme
13:00–16:00 Techno College

3D Technology

Moderators: G. Stellin, Padua; J. Thomson, Leeds

13:00
3D imaging of anatomy of congenital heart disease: How can it help?
A. Cook, London

13:20
State of the art of 3D imaging – Echocardiography
J. Marek, London

13:40
State of the art of 3D imaging – Angiography
G. Krings, Utrecht

14:00
State of the art of 3D/4D imaging – Computerised tomography/magnetic resonance imaging
K. Pushparajah, London

14:20
Panel discussion

14:40
Engineering and computer science: How can they help?
T. Luth, Munich

15:00
Existing industrial usage of rapid prototyping
A. Hill, Woking

15:20
Existing medical usage of 3D printing in congenital heart surgery
G. Van Arsdell, Toronto

15:40
Panel Discussion
16:20–18:00  Mechanical support  
Moderators: A. Hasan, Newcastle Upon Tyne; B.P. Meyns, Leuven

16:20
How to set up a extracorporeal membrane oxygenation training programme
T. Jones, Birmingham

16:35
Update on hemodynamic monitoring
E. Da Cruz, Aurora

16:50
Is there a ‘sweet spot’ – does timely decision making improve outcomes?
G. Van Arsdell, Toronto

17:05
How to minimise morbidity on extracorporeal membrane oxygenation
D. Tibboel, Rotterdam

17:20
New escape routes after failed extracorporeal membrane oxygenation
J. Photiadis, Berlin

17:35
Panel discussion: What are the limits of mechanical support – Country based approach
Update on hypoplastic left heart syndrome management

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

Learning Objectives:
To provide update on management of HLHS and TOF/PA/MAPCAs. To elaborate tough case management by expert panellists. The films will illustrate complex repairs by experts.

08:15
Parents choice: Termination of pregnancy and compassion care
C. Bilardo, Groningen

08:30
Update on Stage 1 Norwood
D. Barron, Birmingham

08:45
Hybrid – Bridge to Norwood/Bridge to Comprehensive St. II
V. Tsang, London

09:00
Inter-stage mortality and morbidity
C. Pizarro, Wilmington

09:15
Beyond the second stage – right ventricle dysfunction; tricuspid valve regurgitation
T. Spray, Philadelphia

09:30
Panel discussion

08:15–11:45  Safer surgery for whom?

See page 27 for details

08:15–16:00  Nurse and Nurse Physician Programme

See page 39 for details

10:15–11:45  Postgraduate Education

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

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

10:15
Diagnostis and interventions
F. Berger, Berlin
10:35
Unifocalisation of pulmonary atresias
R. Di Donato, Riyadh

10:55
Rehabilitation of pulmonary atresias
C. Brizard, Melbourne

11:15
Long term outcomes and quality of life
P. Del Nido, Boston

11:30
Panel discussion

11:55-13:15  Plenary Session  Auditorium

CanBetter: optimising training programmes in cardio-thoracic surgery
See page 30 for details

13:45–14:45  Postgraduate Education  G106+G107

Meet the experts
Moderators: P. Del Nido, Boston; M. Hazekamp, Leiden; W. Brawn, Birmingham

13:45
Case 1
C. Pizarro, Wilmington

14:00
Case 2
V. Hraska, Sankt Augustin

14:15
Case 3
V. Vida, Padua

14:30
Case 4
E. Belli, Le Plessis-Robinson

13:45–15:45  Women in cardiac surgery  F003

See page 36 for details
Surgical film session

Moderators: R. A. Cesnjevar, Erlangen; O. Ghez, London

14:45
Biventricular repair of hypoplastic left heart syndrome complex
V. Hraska, Sankt Augustin

15:00
Repair of complex transposition of the great arteries
E. Belli, Le Plessis-Robinson

15:15
Repair of truncus arteriosus
M. Nosal, Bratislava

15:30
Repair of aberrant aortic origin of coronaries
M. Hazekamp, Leiden

15:45
Repair of Taussig-Bing heart with interruption of aortic arch
M. Kostolny, London

16:00
Repair of interrupted aortic arch with aorto-pulmonary window
A. Kadner, Berne
A lifetime living with transposition of the great arteries – Part I

**Moderators:** P. Del Nido, Boston; A. Polimenakos, Danville

**Learning objectives:**
To understand complexity of surgical management of transposition of the great arteries.

**08:15**
Morphology of simple and complex transposition of the great arteries
* M. Jongbloed, Leiden

**08:30**
How to help surgeons
* S. Fratz, Munich

**08:45**
Key points of surgical repair
* E. Belli, Le Plessis-Robinson

**09:00**
Conotruncal defects – different gene expression in neonatal aortic tissue
* S. Sandrio; P. Schrüfer; A. Purbojo; A. Rüffer; S. Dittrich; R. Cesnjevar, Erlangen
  **Discussant:** A. Bogers, Rotterdam

**09:15**
Mentoring new surgeons: Can we avoid the learning curve?
* S. Mussa; N. Drury; J. Stickley; N. Khan; T. Jones; D. Barron; W. Brawn, Birmingham
  **Discussant:** P. Van De Woestijne, Rotterdam

**09:30**
Caution for aortopulmonary collateral arteries in neonates and infants with transposition of the great arteries in current era
* M. Sugano; K. Imai; K. Kanno; K. Sakamoto; H. Ito; Y. Ide; M. Murata; M. Ishido, Shizuoka
  **Discussant:** K. Brockmeier, Cologne

**09:45 Break**

08:15–11:45  Professional Challenge Session  G106+G107

08:15–09:45  Work in progress  Emerald Room

See page 45 for details

08:15–09:45  Endoscopic port access mitral valve repair  F004

See page 46 for details
A lifetime living with transposition of the great arteries and left ventricular outflow tract obstruction – Part II

Moderators: M. Danton, Glasgow; T. L. Spray, Philadelphia

10:15
Key points of surgical repair
V. Hraska, Sankt Augustin

10:30
Long term outcomes and quality of life
M. Hazekamp, Leiden

10:45
Guidelines on transposition of the great arteries
G. Sarris, Athens

11:00
Excellent long-term outcome after correction of transposition of the great arteries associated with ventricular septal defect and left ventricular outflow tract obstruction: Proper selection of the surgical strategy is crucial
B. Bierbach, Altenholz; P. Suchowerskyj, Sankt Augustin; H. Blaschczok, Sankt Augustin; S. Schroth, Sankt Augustin; M. Schneider, Sankt Augustin; B. Asfour, Sankt Augustin; V. Hraska, Sankt Augustin
Discussant: P. Del Nido, Boston

11:15
The functional status of neo-aortic valve and left ventricular outlet tract after arterial switch operation for transposition of great arteries with left ventricular outlet tract obstruction
Y. Chang; S. J. Li, Beijing
Discussant: F. Lacour-Gayet, London

11:30
Reoperation for right ventricular outflow tract obstruction after arterial switch operation for transposition of the great arteries and aortic arch obstruction
R. Bokenkamp, Leiden; E. Aguilar, Leiden; R. Palen, Leiden; V. Sojak, Leiden; E. Bruggemans, Leiden; J. Hruda, Amsterdam; I. Kuipers, Amsterdam; M. Hazekamp, Leiden
Discussant: R. Mair, Linz

Meet the experts

Moderators: E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen
See page 52 for details

All you need to know for your next research project
See page 51 for details
10:15–11:45 Competition
EACTS Cardio-Thoracic masters – Jeopardy
See page 52 for details

10:15–11:45 Simulation Session
Endoscopic port access mitral valve repair
See page 46 for details

11:50–12:30 Plenary Session
Auditorium
The Presidential Address
The power of surgery
M. Grabenwöger, Vienna

12:45–14:00 Focus Session
Cardiothoracic surgery residents – where do we come from and where are we heading
See page 53 for details

14:15–15:45 Abstract Rapid Response Session
Moderators: M. Kostolny, London; J. Fragata, Lisbon; R. Prêtre, Lausanne; D. Barron, Birmingham

14:15
Results of conversion from former classical Fontan to total cavopulmonary connection: A two centre, German and Japanese experience
H. Seki, Leipzig; F. Bakhtiary, Leipzig; M. Vollroth, Leipzig; M. Kostelka, Leipzig; M. Ando, Fuchu; Y. Takahashi, Fuchu

14:24
A simple surgical technique to prevent atrial re-entrant tachycardia in surgery for congenital heart disease
A. Hosseinpour; A. Adsuar-Gómez; A. González-Calle; A. Pedrote; E. Arana-Rueda; L. García-Riesco; J. M. Borrego-Domínguez; A. Ordóñez-Fernández, Seville

14:33
Comparative evaluation of a novel imaging technique: four-dimensional flow magnetic resonance imaging and streamline visualization for flow quantification across the atrioventricular valve in patients with functional univentricular heart after Fontan’s surgery versus healthy controls – a pilot study
H. She, Hong Kong; J. Westenberg, Leiden; R. Van Der Geest, Leiden; A. Roest, Leiden
Granulocyte colony stimulating factor (G-CSF) significantly decreases density of Caspase-3, an essential component of apoptotic injury, in a model of ischemic neonatal brain injury

P. Pastuszko, Kansas City; J. Kubin, Philadelphia; D. Wilson, Philadelphia; A. Pastuszko, Philadelphia

Three years’ clinical outcome of perventricular off-pump versus conventional ventricular septal defects closure: A randomised comparison

A. Omelchenko; G. Zaitsev; Y. Gorbatykh; A. Bogachev-Prokopiev; A. Voitov, Novosibirsk

Long-term results of novel modification to the lateral tunnel Fontan procedure for the prophylaxis of intra-atrial re-entrant tachycardia

H. Lim; J. R. Lee; Y. J. Kim, Seoul

Cylinder reconstruction of tricuspid valve in children using decellularised equine pericardium

O. Fedevych; Y. Mykychak; O. Boiko; R. Tammo; I. Yemets, Kiev

A staged decompression of right ventricle allows anatomic and physiologic growth of right-sided heart and subsequent biventricular repair in patients with pulmonary atresia and intact ventricular septum

Y. Kotani; Y. Fujii; T. Eitoku; Y. Kuroko; S. Arai; S. Kasahara; S. Sano, Okayama

Forty-year experience with surgical repair of congenital mitral valve stenosis

M. Carrozzini; M. Padalino; V. Vida; C. Rasola; M. Comisso; A. C. Frigo; O. Milanes; G. Stellin, Padua

Biventricular repair of double outlet right ventricle with non-committed ventricular septal defect

K. H. Hsu; C. Chang; S. Huang; Y. Chen; I. Chiu, Taipei

Risk stratification of patients with single ventricle physiology by late gadolinium enhancement cardiac magnetic resonance imaging

T. Goto, S. Ishigami, D. Ousaka, S. Kasahara, S. Sano, H. Oh; Okayama (Japan)

Discussant: T. Ebels, Groningen

Clinical outcome following total cavopulmonary connection - a twenty-year single centre experience

M. Ono, R. Lange, A. Hager, J. Cleuziou, J. Kasnar-Samprec, M. Burri, C. Schreiber, J. Hoerer; Munich (Germany)

Discussant: K. Miyaji, Sagamihara
16:30
Modification of hemi-Fontan operation for patients with functional single ventricle and anomalous pulmonary venous connection to the superior vena cava: Midterm results
H. Ito, M. Murata, Y. Ide, M. Sugano, K. Kanno, K. Imai, K. Sakamoto; Shizuoka (Japan)
Discussant: A. Amodeo, Rome

16:45
Impact of age at bidirectional cavopulmonary anastomosis on pulmonary artery size and haemodynamics after non-fenestrated Fontan operation
S. Shiraishi1, T. Nakano1, K. Hinokiyama2, S. Oda1, S. Fujita2, J. Ikarashi2, H. Kado2; 1Niigata city (Japan), 2Fukuoka (Japan)
Discussant: V. Tsang, London

17:00
The advantage of Fontan conversion before the occurrence of late Fontan complication
A. Higashida, K. Kagisaki, T. Hoashi, K. Morimoto, T. Yagihara, H. Ichikawa; Suita (Japan)
Discussant: G. Stellin, Padua

17:15
Impaired pulmonary function is an additional potential mechanisms for the reduction of functional capacity in clinically stable Fontan patients
A. Turquetto, L. F. Caneo, D. Agostinho, M. I. Lopes, P. Trevizam, F. Fernandes, P. Oliveira, M. Jatene; Sao Paulo (Brazil)
Discussant: A. Bogers, Rotterdam

16:00–17:30 Training in Research Session
How to statistically analyse your next research project
See page 64 for details

16:00–17:30 Simulation Session
Endoscopic port access mitral valve repair
See page 46 for details
08:00-18:10 Techno College

08:15–09:45 Abstract Session

**Tetralogy of Fallot**

*Moderators: M. Helvind, Copenhagen; C. Brizard, Melbourne*

08:15

The fate of tricuspid regurgitation in the patients undergoing pulmonary valve replacement after repair of tetralogy of Fallot

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

Discussant: A. Giamberti, Milan

08:30

Indications and results of systemic to pulmonary shunts – outcomes of 2145 consecutive patients from a national database

D. Dorobantu, Bristol; R. Pandey, Bristol; M. Sharabiani, London; A. Mahani, Washington

G. Angelini, Bristol; R. Martin, Bristol; S. Stoica, Bristol

Discussant: I. Mattila, Helsinki

08:45

Factors affecting death and progression towards next stage following modified Blalock-Taussig shunt in neonates

B. Alsoufi; M. Mori; M. Clabby; K. Kanter; B. Kogon, Atlanta

Discussant: K. Francois, Ghent

09:00

Multistage pulmonary artery rehabilitation for pulmonary atresia/ventricular septal defect with hypoplastic pulmonary artery

K. Ma; Q. Chen; S. Li; Z. Hua; K. Yang; J. Yan; X. Wang; H. Gao, Beijing

Discussant: S. Sano, Okayama

09:15

Factors associated with progression of right ventricular enlargement after repair of tetralogy of Fallot based on serial cardiac magnetic resonance imaging

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

Discussant: J. Rubay, Brussels

09:30

Predictors for ventricular tachyarrhythmia late after intracardiac repair for tetralogy of Fallot

S. Shiraishi; M. Takahashi; M. Watanebe; A. Sugimoto; J. Moon; M. Tsuchida, Niigata

Discussant: R. Pretre, Lausanne

08:15–09:45 Focus Session

**Paediatric and congenital cardiac activities in emerging economies**

*Moderators: J. Pepper, London; J. L. Anton-Pacheco, Madrid*

08:15

Paediatric cardiology in emerging countries: Colourful, challenging and rewarding

M. Freund, Oldenburg

08:35

Discussion

08:45

Surgical safari versus educational program

A. Corno, Leicester
Paediatric cardiac intensive care unit by five senses: Sight, sound, smell, touch and taste
S. Nichani, Leicester

08:15–09:45 Training in Research Session  F003
A summary of essentials for your next research project
See page 70 for details

10:15–11:45 Abstract Session  G106+G107

Valve surgery
Moderators: D. Cameron, Baltimore; M. Pozzi, Ancona

10:15 Valve sparing root replacement in children
J. Kluin, Utrecht; D. Koolbergen, Amsterdam; V. Sojak, Leiden; M. Hazekamp, Leiden
Discussant: D. Barron, Birmingham

10:30 Valve-sparing aortic root replacement in adult patients previously operated for congenital heart defects: An initial experience
G. Baliulis, Southampton; J. Ropponen, Helsinki; T. Salmon, Southampton; M. Kaarne, Southampton
Discussant: D. Cameron, Baltimore

10:45 Twenty years’ experience with the Ross-Konno procedure
A. Schneider; R. Bökenkamp; M. Hazekamp, Leiden
Discussant: B. Meyns, Leuven

11:00 Ross upgrade: Making virtue out of necessity?
F. Gandolfo, Rome; F. De Rita, Newcastle upon Tyne; B. Murzuza, Newcastle upon Tyne; A. McBrien, Newcastle upon Tyne; D. Crossland, Newcastle upon Tyne; J. O’Sullivan, Newcastle upon Tyne; H. Hasan, Newcastle upon Tyne; M. Griselli, Newcastle upon Tyne
Discussant: C. Pizarro, Wilmington

11:15 Decellularized, fresh homografts for pulmonary valve replacement: A decade of clinical experience
A. Horke; S. Sarikouch; I. Tudorache; P. Beerbaum; M. Westhoff-Bleck; D. Boethig; A. Haverich; S. Cebotari, Hannover
Discussant: L. Galletti, Bergamo

11:30 Follow up after tricuspid valve surgery in patients with systemic right ventricles
D. Koolbergen, Amsterdam; Y. Ahmed, Leiden; B. Bouma, Amsterdam; R. Scherptong, Leiden; H. Vliegen, Leiden; E. Holman, Leiden; B. Mulder, Amsterdam; M. Hazekamp, Leiden
Discussant: T. Tlaskal, Prague
10:15–11:45 Training in Research Session
Clinical studies
See page 74 for details

10:15–11:45 Training in Research Session
Nightmares in cardiothoracic surgery
See page 75 for details

10:15–11:45 Simulation Session
Endoscopic port access mitral valve repair
See page 46 for details

11:50–12:20 Plenary Session
The Honoured Guest Lecture
Medical aspects in space industry
A. Kuipers, Amsterdam

12:25–12:35 EACTS Award Presentations
Auditorium

12:35–12:40 Presidential Inauguration
Auditorium

12:45 – 14:00 Residents’ Luncheon
Café Amsterdam

14:15–15:45 Focus Session
Infections and chylothorax
Moderators: B. Maruszewski, Warsaw; J. Hoerer, Le Plessis Robinson
Learning objective:
To understand the principles of treatments of infection and chylothorax complications associated with operations.
14:15
Preoperative and postoperative screening for infection
E. Da Cruz, Aurora
14:35
How to manage prevention bacterial endocarditis in native valve and prosthetic materials: Guidelines for endocarditis prophylaxis
R. Heying, Leuven

14:55
How to manage mediastinitis
R. Prêtre, Lausanne

15:15
Chylothorax – treatment options
T. Spray, Philadelphia

14:15–15:45 Focus Session
Emerald Room
Preoperative planning, simulation, 3D printing and intra-operative navigation in Cardio-Thoracic surgery
See page 81 for details

14:15–15:45 Simulation Session
F004
Endoscopic port access mitral valve repair
See page 46 for details

16:00–17:30 Abstract Session
G106+G107
Congenital miscellaneous
Moderators: S. Cicek, Istanbul; T. Ebels, Groningen

16:00
Expectations and limitations after bilateral pulmonary artery banding
T. Sakurai; H. Sakurai; K. Yamana; T. Nonaka; R. Otsuka; T. Osawa, Nagoya
Discussant: J. Hoerer, Le Plessis-Robinson

16:15
Risk analysis of surgery for low-body-weight neonate and infant with functional single ventricle
K. Imai; M. Murata; Y. Ide; M. Sugano; H. Ito; K. Kanno; M. Ishido; K. Sakamoto, Shizuoka
Discussant: G. Sarris, Athens

16:30
Era effect on survival following paediatric heart transplantation
B. Alsoufi; S. Deshpande; W. Mahle; B. Kogon; K. Kanter, Atlanta
Discussant: M. Huebler, Zurich
16:45
Coronary artery anomalies in general population: Systematic review of 450,116 patients.
G. Liguori; L. Barros; J. Penha; L. Miana; L. F. Caneo; C. Tanamati; V. Aiello; M. Jatene, São Paulo
Discussant: M. Hazekamp Leiden

17:00
Surgical experience in the rehabilitation and re-implantation of disconnected pulmonary arteries and its effectiveness in restoring pulmonary haemodynamics and function
A. Al-Khaldi, Riyadh
Discussant: C. Brizard, Melbourne

17:15
Mid-term results of a selective strategy of anatomic or physiological repair in congenitally corrected transposition of the great arteries: there remains a role for physiological repair in the current era
D. Fajardo; B. Davies; B. Mimic; J. Kirolos; V. Tsang; M. Kostolny, London
Discussant: F. Haas, Utrecht

16:00–17:30 Simulation Session
Endoscopic port access mitral valve repair
See page 46 for details
AoV reconstruction and Senning

Moderators: V. Hraska, Sankt Augustin; M. Hazekamp, Leiden; C. Pizarro, Wilmington

Learning objectives:
To demonstrate different techniques of aortic valve reconstruction and Senning operation.

09:00
Introduction to the Senning operation
V. Hraska, Sankt Augustin

09:10
Live demonstration of the Senning operation technique

10:30
Break

11:00
Introduction to AoV reconstruction
M. Hazekamp, Leiden; C. Pizarro, Wilmington

11:10
Live demonstration of AoV reconstruction technique
Wetlab limited to the first 40 attendees. Registration is required via the registration desks on site. Fee €20.

09:00–12:30 Advanced Techniques Session
Emerald Room

How to do it? With live in a box

See page 91 for details
Vascular Disease Domain Programme
08:15–09:45 Postgraduate Education

Session 1: Basics in proximal thoracic aortic surgery
Moderators: T. Modine, Lille; L. Botta, Milan; M. Karck, Heidelberg

Learning objectives:
To determine the indication and timing of a proper surgical approach, to choose the optimal technique for a given patient.

08:15
A comparison between US and European Guidelines
M. Grabenwöger, Vienna

08:30
Beyond diameter, the role of age and genetics to reach a timely indication
E. Arbustini, Pavia

08:45
Natural history of 40-50mm root/ascending aortic aneurysms in the current era of dedicated thoracic aortic clinics
F. Dagenais; M. Gagne-Loranger; E. Dumont; S. Mohammadi; P. Voisine, Quebec
Discussant: F. Kari, Freiburg

09:00
Guidelines-driven indications for aorthopathy in bicuspid syndrome
T. Sundt, Boston

09:15
Is an individualised approach to bicuspid aorthopathy possible?
H. Schäfers, Homburg/Saar

09:30
New Integrated surgical classification (ARO) to guide bicuspid aortic valve repair
M. Laframme, Montreal; O. Nawaytou, Brussels; M. Pagé, Brussels; S. Mastrobuoni, Brussels; J. Vanoverschelde, Brussels; L. De Kerchove, Brussels; G. El Khoury, Brussels
Discussant: A. Della Corte, Naples
08:15–11:45  Safer surgery for whom?
See Page 27 for details

08:15–16:00  Nurse and Nurse Physician Programme
See Page 39 for details

10:15–11:45  Postgraduate Education

Session 2: Basics in proximal thoracic aortic surgery

Moderators: F. Emrich, Leipzig; A. Oo, Liverpool

10:15
Extent of ascending and arch resection in connective tissue diseases
M. Grimm, Innsbruck

10:30
Aortic elongation as a risk factor for type A aortic dissection
T. Krüger; O. Forkavets; K. Veseli; H. Lausberg; L. Vöhringer; W. Schneider; C. Schillensak, Tübingen
Discussant: M. Czerny, Freiburg

10:45
Management of the aortic root in Type A dissection: When repair, when replace
D. Pacini, Bologna

11:00
Sparing the aortic root in acute aortic dissection type-A: Risk reduction or gross negligence?
S. Peterss, Munich; J. Dumfarth, Leipzig; N. Bonaros, Innsbruck; J. Rizzo, Stony Brook; H. Fang, New Haven; B. Ziganshin, New Haven; M. Grimm, Innsbruck; J. Elefteriades, New Haven
Discussant: E. Beckmann, Hannover

11:15
Is there a place for thoracic endovascular aortic repair in the ascending aorta?
A. Khoynezhad, Los Angeles

11:30
The results of the aortic arch aneurysm requiring zone 0 landing using endovascular repair
T. Kudo, Suita; Y. Sawa, Osaka; K. Toda, Suita; T. Ueno, Suita; K. Masada, Suita
Discussant: K. Y. Park, Seoul
13:45–14:45  Postgraduate Education  G102+G103

Session 3: Outcome and follow up after major thoracic aortic surgery

Moderators: J. Pirk, Prague; J. Bachet, Nogent sur Marne; B. Rylski, Freiburg

Learning objectives:
To evaluate early and late results after major aortic surgery and to establish optimal follow-up protocols

13:45
Surveillance protocol after surgery for type A dissection
C. Hagl, Munich

13:55
Mid and long-term results of hybrid aortic arch replacement versus open surgery
K. Widenka, Rzeszow

14:05
Predictors of outcome in uncomplicated type B dissection: The role of imaging
C. Nienaber, Rostock

14:15
Long-term results of endovascular treatment of blunt traumatic aortic injury
J. Kokotsakis, Athens

14:25
Outcomes of thoracic endovascular aortic repair for acute traumatic rupture; rational and implications in establishing specific imaging guidelines for follow-up
F. Dagenais; M. Gagne-Loranger; E. Dumont; P. Voisine, Quebec
Discussant: T. Kuratani, Osaka

13:45–15:45  Women in cardiac surgery  F003

See Page 36 for details
Session 4: Thoraco-abdominal aneurysms revisited

Moderators: M. A. A. M. Schepens, Bruges; T. Sioris, Tampere; F. Kari, Freiburg

Learning objectives:
Understanding the risk of this peculiar pathology in order to prevent potential complications. To learn how reach the proper indication for treatment and tailor the surgical or endovascular approach for each single patient.

14:45
Understanding the collateral network and its clinical implications
C. D. Etz, Leipzig

14:55
Organ protection for thoraco-abdominal replacement
G. Weiss, Vienna

15:05
Validating collateral network near-infrared spectroscopy (cnNIRS) for real-time monitoring of spinal cord oxygenation
K. Von Aspern; J. Haunschild; A. Hoyer; F. Bakhtiary; M. Misfeld; F. Mohr; C. D. Etz, Leipzig
Discussant: M. Iafrancesco, Birmingham

15:15
Hybrid repair. Absolute indication, contraindication and unsolved issues
K. Tsagakis, Essen

15:25
Open surgical treatment: When it is still indicated?
M. A. A. M. Schepens, Bruges

15:35
Total endovascular repair. It will be the standard of care?
P. Kasprzak, Regensburg
Arch involvement in acute aortic dissection: A surgical challenge EACTS/STS

Moderators: R. De Paulis, Rome; N. Desai, Philadelphia; J. Dumfarth, Innsbruck

Learning objectives:
To understand the best approach in emergency surgery for various type of acute dissection. In which condition should we prefer a more conservative approach, and when is strongly indicated to be more aggressive?

08:15
Acute type A: Pro arch repair
H. Jakob, Essen

08:20
Acute type A: Con arch repair
D. Johnston, Cleveland

08:25
Discussion

08:35
Regional and directional compliance and failure stress of the healthy aorta – a porcine model ex vivo study
T. Krüger; K. Veseli; H. Lausberg; L. Vöhringer; W. Schneider; C. Schlensak, Tübingen
Discussant: A. Juraszek, Warsaw

08:50
Systolic flow displacement using three-dimensional cardiac magnetic resonance imaging in an experimental model of ascending aortic aneurysm: Are we underestimating rheology?
Discussant: K. Kallenbach, Heidelberg

09:05
Temperature management: As cold as possible
J. Elefteriades, New Haven

09:10
Temperature management: As warm as possible
A. Moritz, Frankfurt

09:15
Discussion

09:25
Should right subclavian artery cannulation in type A aortic dissection with dissected innominate artery be prohibited?
B. Rylski, Freiburg; F. Kari, Freiburg; F. Beyersdorf, Freiburg; M. Siepe, Freiburg; H. Adachi, Saitama; A. Yamaguchi, Saitama; R. Itagaki, Saitama; N. Kimura, Saitama
Discussant: A. Lenos, Bad Neustadt

09:40
EACTS Position paper: Frozen elephant trunk
M. Czerny, Freiburg
08:15–09:45 Abstract Session
Emerald Room

Work in Progress
Moderators: F. Kari, Freiburg; D. J. Chambers, London
See Page 45 for details

08:15–09:45 Simulation Session
F004

Endoscopic port access mitral valve repair
See Page 46 for details

10:15–11:45 Focus Session
G102+G103

Uncertainties in the treatment of chronic dissection EACTS/STS
Moderators: M. Czerny, Freiburg; A. Pochettino, Rochester

Learning objectives:
To understand the optimal timing for the treatment of a chronic dissected aorta.
To discriminate between the advantages and disadvantages of an endovascular approach versus a standard surgical treatment.

10:15
Optimal treatment of type B dissection in connective tissue disorder patient
M. Jacobs, Maastricht

10:25
Open surgery of chronic aortic dissection: Examination of 371 elective cases
T. Fujikawa, Kawasaki
Discussant: G. Esposito, Bergamo

10:40
Chronic dissection with visceral arteries originating from different lumens. What is the best strategy? Surgical
P. Urbanski, Bad Neustadt

10:45
Chronic dissection with visceral arteries originating from different lumens. What is the best strategy? Endovascular
E. Roselli, Cleveland

10:50
Discussion

11:00
Novel and simple exposure for extended descending and thoracoabdominal aortic replacement: Straight incision with rib-cross thoracotomy
K. Minatoya; H. Sasaki; H. Tanaka; Y. Seike; T. Itonaga; T. Oda; Y. Inoue; J. Kobayashi, Osaka
Discussant: M. Schepens, Bruges

11:15
Is frozen elephant trunk always indicated in type A chronic dissection?
R. Di Bartolomeo, Bologna
11:25
Whole body perfusion in patients undergoing frozen elephant trunk for type A acute aortic dissection: Early experience
G. Esposito, Bergamo; G. Cappabianca, Varese; S. Bichi, Bergamo; A. Cricco, Bergamo; C. Rosciano, Bergamo; G. Albano, Bergamo; M. Parrinello, Bergamo; C. Beghi, Varese
Discussant: A. Martens, Hannover

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<tr>
<th>Time</th>
<th>Event Description</th>
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<tr>
<td>10:15–11:45</td>
<td>Focus Session</td>
<td>Emerald Room</td>
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<tr>
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<td>Meet the experts</td>
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<td>Moderators: E. Quintana, Barcelona; F. Kari, Freiburg; M. Siepe, Bad Krozingen</td>
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<td>See Page 52 for details</td>
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<tr>
<td>10:15–11:45</td>
<td>Training in Research Session</td>
<td>F003</td>
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<td>All you need to know for your next research project</td>
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<td>See Page 51 for details</td>
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<tr>
<td>10:15–11:45</td>
<td>Competition</td>
<td>F002</td>
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<td>EACTS Cardio-Thoracic masters – Jeopardy</td>
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<tr>
<td>10:15–11:45</td>
<td>Simulation Session</td>
<td>F004</td>
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<td>Endoscopic port access mitral valve repair</td>
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<td>See Page 46 for details</td>
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<tr>
<td>11:50–12:30</td>
<td>The Presidential Address</td>
<td>Plenary Session</td>
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<td>The power of surgery</td>
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<td>M. Grabenwöger, Vienna</td>
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<tr>
<td>12:00–13:00</td>
<td>Focus Session</td>
<td>F002</td>
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<td></td>
<td>Cardiothoracic surgery residents where do we come from and where are we heading</td>
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A broad view on acute dissection

**Moderators:** D. Pacini, Bologna; M. Kirsch, Paris

**Learning objectives:**
For a better understanding of peculiar anatomical situations following an acute aortic dissection.

**14:15**
Acute type non-A non-B: Pro arch repair
*P. Urbanski, Bad Neustadt*

**14:20**
Acute type non-A non-B: Con arch repair
*M. Czerny, Freiburg*

**14:25**
Discussion

**14:30**
Surgical outcomes for type A acute aortic dissection with aggressive primary entry resection
*Y. Inoue; K. Minatoya; H. Sasaki; H. Tanaka; Y. Seike; T. Itonaga; T. Oda; J. Kobayashi, Osaka*
Discussant: R. Haaverstad, Bergen

**14:45**
Fifteen years of surgery for acute type A aortic dissection in moderate systemic hypothermia
*A. Zierer, Frankfurt am Main; A. El-Sayed Ahmad, Frankfurt am Main; L. Rings, Frankfurt am Main; N. Papadopoulos, Frankfurt am Main; A. Moritz, Frankfurt; A. Diegeler, Bad Neustadt/ Saale; P. Urbanski, Bad Neustadt*
Discussant: F. Santini, Genoa

**15:00**
Risk analysis of contemporary aortic arch repair using prefabricated branched grafts
*A. Martens; E. Beckmann; T. Kaufeld; F. Fleissner; J. Umminger; N. Koigeldiyev; A. Haverich; M. Shrestha, Hannover*
Discussant: K. Tsagakis, Essen

**15:15**
Blood flow analysis of aortic arch using computational fluid dynamics
*S. Numata, Kyoto; K. Itatani, Sagamihara; K. Kanda, Kyoto; K. Doi, Kyoto; S. Yamazaki, Kyoto; H. Yaku, Kyoto*
Discussant: L. P. Weltert, Rome

**15:30**
Acute type A dissection in octogenarians: Does emergency surgery impact long-term survival?
*J. Dumfarth, Leipzig; S. Peterss, Munich; M. Luehr, Leipzig; C. D. Etz, Leipzig; B. Ziganshin, New Haven; M. Grimm, Innsbruck; J. Elefteriades, New Haven; F. Mohr, Leipzig*
Discussant: B. Torfason, Reykjavik
14:15–15:45  Training in Research Session  F003

All you need to know for your next research project – part II
See Page 59 for details

14:15–15:45  Focus Session  Emerald Room

Pro and cons debates
See Page 58 for details

14:15–15:45  Simulation Session  F004

Endoscopic port access mitral valve repair
See Page 46 for details

16:00–17:30  Abstract Session  G102+G103

A 4D view of the aortic root
Moderators: W. Harringer, Braunschweig; D. Aicher, Homburg/Saar; S. Salizzoni, Torino

Learning objectives:
Understanding the aortic root function for an individualized approach in different anatomical and clinical presentation.

16:00
Aortic root haemodynamics following David procedure: Numerical analysis of three-dimensional haemodynamics
D. Berdajs, Toronto; M. Selim, Lausanne; Z. Forro, Zurich; M. Burki, Lausanne; L. Von Segesser, Lausanne
Discussant: R. Almeida, Cascavel

16:15
Surgical management of aortic root in type A acute aortic dissection: A propensity-score analysis
S. Castrovinci; D. Pacini; P. Berretta; M. Cefarelli; G. Murana; L. Di Marco; M. Di Eusanio; R. Di Bartolomeo, Bologna
Discussant: P. Oberwalder, Graz

16:30
Dilatation of the proximal aorta does not progress after an isolated aortic valve replacement for bicuspid aortic valve stenosis: Magnetic resonance imaging follow-up study
E. Girdauskas, Bad Berka; M. Rouman, Bad Berka; K. Disha, Bad Berka; M. Secknus, Bad Berka; G. Dubslaff, Bad Berka; B. Fay, Bad Berka; M. Borger, Leipzig; T. Kuntze, Bad Berka
Discussant: F. Khaliel, Riyadh

16:45
Acute aortic dissection involving the root: Early and long-term results after curative proximal repair
P. Urbanski; A. Lenos; V. Irnimie; P. Bougioukakis; M. Zacher; A. Diegeler, Bad Neustadt
Discussant: E. Quintana, Barcelona
17:00
Impact of positional relationship of commissures on cusp function after valve sparing root replacement for regurgitant bicuspid aortic valve
S. Miyahara; Y. Nomura; A. Kitamura; S. Sato; H. Takahashi; T. Inoue; M. Matsumori; Y. Okita, Kobe
Discussant: A. Mangini, Milan

17:15
Aortic root surgery. Do high volume, specialist centres improve outcomes?
R. Bilkhu; G. Soppa; J. Smelt; P. Youssefi; A. Child; M. Edsell, J. Van Besouw; M. Jahangiri, London
Discussant: J. Holfeld, Innsbruck

16:00–17:30  Focus Session  Emerald Room
Live-heart-team of complex pathologies
See Page 63 for details

16:00–17:30  Training in Research Session  F003
How to statistically analyse your next research project
See Page 64 for details

16:00–17:30  Simulation Session  F004
Endoscopic port access mitral valve repair
See Page 46 for details

Monday 5 October 2015
08:15–09:45  Focus Session  

Inflammatory and infectious aortic disease: A difficult environment  

Moderators: R. Benetis, Kaunas; C. A. Mestres, Abu Dhabi; A. Martens, Hannover  

Learning objectives:  
To appreciate the various peculiar aspect of aortic inflammatory diseases and learn the process of diagnosis leading to the correct surgical approach.  

08:15  
Inflammatory aortic diseases. Clinical and histopathological features  
J. Maleszewski, Rochester  

08:30  
What is the best tool to reach a diagnosis? The role of CT scans and PET  
B. Saleem, Nuremberg  

08:45  
Medical therapy and proper surgical timing  
Y. Okita, Kobe  

09:00  
Giant cell aortitis: Clinical presentation and surgical outcomes in forty consecutive patients  
F. Dagenais; M. Gagne-Loranger; E. Dumont; D. Kalavrouziotis; P. Voisine; S. Mohammadi, Quebec  
Discussant: A. Parolari, Milan  

09:15  
How to deal with an infected vascular prosthesis  
T. Carrel, Berne  

09:30  
Surgical management of graft infections of the thoracic aorta  
J. Umminger; A. Martens; H. Krueger; E. Beckmann; T. Kaufeld; F. Fleissner; A. Haverich; M. Shrestha, Hannover  
Discussant: M. Pichlmair, Munich  

08:15–09:45  Training in Research Session  

A summary of essentials for your next research project  
See Page 70 for details
Innovation and new strategies in thoracic aortic surgery

Moderators: C. D. Etz, Leipzig; M. Bashir, Liverpool; T. Kaufeld, Hannover

10:15
Moderate hypothermia (24°C or above) with hypothermic circulatory arrest for proximal aortic operations in 123 patients with previous cardiac surgery
O. Preventza; A. Garcia; S. Kashyap; S. Akvan; D. Cooley; A. Rammou; M. Price; J. Coselli, Houston

10:24
Proximal aortic surgery via mini-sternotomy: Early and mid-term results in 199 patients
F. Emrich; S. Leontyev; J. Pinto; S. Lehmann; C. D. Etz; F. Bakhtiyar; M. Misfeld; F. Mohr, Leipzig

10:33
Unilateral antegrade cerebral perfusion and moderate hypothermia: Safety at molecular level

10:42
Additional distal aortic true lumen stabilisation by uncovered stent in acute type I aortic dissection: First clinical experience
K. Tsagakis; R. Janosi; D. Dohle; P. Kahlert; J. Benedik; D. Wendt; R. Erbel; H. Jakob, Essen

10:51
Thoracic endovascular aortic repair for the degenerative distal arch aneurysm can be a standard procedure for high-risk patients
T. Shijo, Suita; T. Kuratani, Suita; K. Shimamura, Suita; Y. Sawa, Osaka

11:00
Optimal treatment strategies for acute type A intramural hematoma
K. Yie, Bucheon

11:09
Perioperative and mid-term results of endovascular treatment of complicated type B aortic dissection using proximal thoracic endoprosthesis and selective distal bare stenting
S. Kische, Berlin; G. D’Ancona, Palermo; J. C. Belu, Rostock; H. Ince, Berlin

11:18
A computational fluid dynamics based study to identify hemodynamic risk factors for retrograde aortic type A dissections
A. Oßwald, Karlsruhe; C. Karmonik, Houston; J. Anderson, Houston; F. Rengier, Heidelberg; M. Karck, Heidelberg; S. Partovi, Cleveland; A. Ruhrparwar, Heidelberg

11:27
Unequal pressure distribution along the jaws of currently available vascular clamps
B. Rylski; C. Schmid; F. Beyersdorf; F. Kari; S. Kondov; L. Lutz; M. Czerny; M. Siepe, Freiburg

11:36
Radiopaque marking of the virtual aortic annulus during surgical aortic valve reconstruction may simplify transcatheter valve implantation in the setting of long-term repair failure
M. Siepe; B. Rylski; W. Bothe; E. Zimmer; G. Pache; M. Czerny; F. Beyersdorf; F. Kari, Freiburg
10:15–11:45 Training in Research Session  
Clinical studies  
See Page 74 for details

10:15–11:45 Focus Session  
Nightmares in cardiothoracic surgery  
See Page 75 for details

10:15–11:45 Simulation Session  
Endoscopic port access mitral valve repair  
See Page 46 for details

11:50–12:20 Plenary Session  
The Honoured Guest Lecture  
Medical aspects in space industry  
A. Kuipers, Amsterdam  
See Page 75 for details

12:25–12:35 EACTS Award Presentations  
Auditorium

12:35–12:40 Presidential Inauguration  
Auditorium

12:45-14:00 Residents’ Luncheon  
Café Amsterdam

14:15-15:45 Focus Session  
Arch repair  
Moderators: J. Mascaro, Birmingham; H. G. Jakob, Essen; L. Di Marco, Bologna  
Learning objectives:  
To understand the proper approach to treatment of arch diseases. When is surgery clearly superior to an endovascular approach and when the endovascular approach significantly decreases the patient’s risk?  
14:15  
Surgical and hybrid arch repair. Indications and technique  
J. Bavaria, Philadelphia
14:27
Total endoarch
T. Kölbl, Hamburg

14:39
In situ and chimney repairs – is there a place and do they work?
T. Resch, Malmö

14:51
Up to ten years’ experience with E-vita open hybrid graft in complex thoracic aortic disease
H. Jakob; D. Dohle; J. Benedik; M. Thielmann; R. Janosi; D. Wendt; T. Schlosser; K. Tsagakis, Essen
Discussant: G. Weiss, Vienna

15:06
Reoperative arch surgery with and without previous endovascular repair
M. Shrestha, Hannover

15:18
Multicentre analysis of elective arch surgery in the last decade: Still a subject of enormous heterogeneity.
A. Zierer, Frankfurt

15:30
Aortic diameter remodelling after frozen elephant trunk in aortic dissection: Results from an international multicentre registry
M. Iafrancesco, Birmingham; N. Goebel, Stuttgart; D. Pacini, Bologna; G. Weiss, Vienna; S. Leontyev, Leipzig; T. Sioris, Tampere; J. Mascaro, Birmingham; K. Tsagakis, Essen
Discussant: J. Bachet, Nogent sur Marne

14:15–15:45  Focus Session  Emerald Room
Preoperative planning, simulation, 3D printing and intra-operative navigation in Cardio-Thoracic surgery
See Page 81 for details

14:15–15:45  Simulation Session  F004
Endoscopic port access mitral valve repair
See Page 46 for details
16:00–17:30  Focus Session

A contemporary approach to the aortic valve and aortic root

*Moderators: E. Lansac, Paris; M. Misfeld, Leipzig; F. Schoenhoff, Berne*

**Learning objectives:**
To understand the basic principles of aortic valve repair while learning how to prevent recurrence of valve regurgitation. To master the optimal approach to the aortic root in anatomical difficult conditions.

16:00
The role of annuloplasty for aortic valve repair. How to choose among the different proposed options?
*R. De Paulis, Rome*

16:15
The use of pericardium in aortic valve repair. When is it a durable solution?
*G. El Khoury, Brussels*

16:30
Valve preserving aortic root surgery. The role of geometry and the needs for leaflet repair
*H. Schäfers, Homburg/Saar*

16:45
Long term results of external aortic ring annuloplasty for aortic valve repair
*E. Lansac, Paris; I. Di Centa, Suresnes; G. Sleilaty, Paris; A. Berrebi, Paris; N. Khelil, Paris; K. Zannis, Paris; P. Dervanian, Paris; M. Debauchez, Paris*

*Discussant: L. De Kerchove, Brussels*

17:00
Valve sparing in various anatomical bicuspid presentation
*C. Antona, Milan*

17:15
Root reoperation – tips and tricks
*W. Harringer, Braunschweig*

16:00–17:30  Simulation Session

Endoscopic port access mitral valve repair

See Page 46 for details
09:00–10:30 Learn from the experts how to do a remodelling or a re-implantation procedure

*Moderators: D. Cameron, Baltimore, R. De Paulis, Rome*

**Teachers for remodelling**
- E. Lansac, Paris
- P. Urbanski, Bad Neustadt
- D. Aicher, Homburg/Saar
- G. Mecozzi, Enschede

**Teachers for reimplantation**
- D. Cameron, Baltimore
- R. De Paulis, Rome
- M. Shrestha, Hannover
- L. De Kerchove, Brussels
- D. Pacini, Bologna

This wetlab will be restricted to 50 participants per session, split over the two procedures. Registration is required and will be available at the On-Site registration desks where you must choose either remodelling or re-implantation. The session will be repeated. Fee €20.

09:00–12:30 Advanced Techniques

How to do it? With live in a box

See Page 91 for details
Exhibition, Satellite Meetings

Raising Standards through Education and Training
Mark your calendar

HeartMate 3™

CE MARK TRIAL DATA TO BE REVEALED
AT EACTS SYMPOSIUM

HeartMate 3: Early Experiences and Outcomes

Chairman: Professor Thomas Krabatsch, Berlin
Date: Tuesday, 6 October
Time: 12:45–14:00
Location: Forum Room, RAI Amsterdam

Presentations:

• Early experience with a less invasive implantation technique for HeartMate 3:
  Doctor Jan Schmitto, Hannover

• Results of the HeartMate 3 CE Mark Trial:
  Professor Ivan Netuka, Prague

• Early commercial experience with the HeartMate 3:
  Doctor Serik Bekbossynov, Astana

No registration required. We look forward to seeing you there!

Exclusively for clinical investigations.

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EACTS is grateful to the following organisations for their educational grants in respect of this year’s Techno College:

AESCULAP AG - a B. Braun company
Boston Scientific
AtriCure Europe BV
Direct Flow Medical GmbH
Edwards Lifesciences
Entourage Medical Technologies Inc.
HeartWare Inc.
Medtronic
Mitralign
Philips Healthcare
Sorin Group
Thoratec Corporation
ValCare Medical
Valtech Cardio

Focus Sessions

The following sessions are supported by unrestricted educational grants from the following Industry partners:

Transcatheter aortic valve implantation: Current and future perspectives (Edwards Lifesciences)
Fast track management (Edwards Lifesciences)
Aortic valve disease and heart failure: How do they connect? (St Jude Medical)
Is minimally invasive cardiac surgery the present and the future of mitral valve repair? (B Braun)
Perioperative complications in cardiac surgery (Abbott Vascular)
Challenging the options for younger patients: Minimising long-term risks with biological valves along the patient journey (Edward Lifesciences)
Better outcomes through optimising international normalised ratio management and anticoagulation in aortic valve replacement (St Jude Medical)
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| AtriCure Europe BV  
Does AF ablation also have a role in AVR and CABG patients?      | 12:45-14:00   | Room E106/107 |
| Edwards Lifesciences  
Innovation in aortic valve therapy: Procedural trends and outcome | 12:45-14:00   | Forum Room    |
| JOMDD Inc  
OZAKI's autologous pericardium aortic valve neo-cuspidization      | 12:45-14:00   | Room G109     |
| MAQUET Vertrieb und Service Deutschland GmbH  
To pump or not to pump? What is the role of intra-aortic balloon pump in cardiac surgery? | 12:45-14:00   | Room E102     |
| Medos Medizintechnik AG  
Talking about extracorporeal therapies – There is much more beyond ECMO | 12:45-14:00   | Room E108     |
| Medtronic International Trading Sàrl  
Evolution of aortic stenosis treatment options: Perspectives from cardiac surgeons, cardiologists and industry | 12:45-14:00   | Room G104/105 |
| NeoChord Inc  
NeoChord workshop                                                   | 12:45-14:00   | Room E103     |
| Somahlution, VGS and Medistim  
Optimising vein graft outcomes for CABG: New solutions               | 12:45-14:00   | Room E104/105 |
| Sorin Group Italia SRL  
Current controversies and future perspectives in aortic and mitral fields | 12:45-14:00   | Emerald Room  |
| 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 G102/103 |
| Vascutek Ltd  
Management and treatment of the diseased aortic arch               | 12:45-14:00   | Room G106/107 |
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<tr>
<th>Tuesday 6 October</th>
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<tr>
<td><strong>AtriCure Europe BV</strong></td>
<td>12:45-14:00</td>
<td>Room E106/107</td>
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<tr>
<td>Integrated management of persistent atrial fibrillation – How, when and why</td>
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<td><strong>Auto Tissue Berlin GmbH</strong></td>
<td>12:45-14:00</td>
<td>Room E108</td>
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<td>The use of decellularized tissue in cardiac surgery</td>
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<td><strong>JOTEC GmbH</strong></td>
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<td>10 Years E-vita OPEN PLUS - a track record</td>
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<td><strong>Medtronic International Trading Sàrl</strong></td>
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<td>Room G104/105</td>
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<td>Mitral valve disease management: Positioning yourself for success today and tomorrow</td>
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<td><strong>PneuX Life Systems</strong></td>
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<td>Improving cardiac surgery outcomes by reducing ventilator-associated pneumonia rates</td>
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<td><strong>Symetis</strong></td>
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<td>ACURATE TAVI: Easy, stable TAVI for all access and anatomies</td>
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<td><strong>Thoratec Corporation</strong></td>
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<td>HeartMate 3™: Early experiences and outcomes</td>
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<td>Company Name</td>
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</table>
3-D Matrix Ltd  Booth No: 2.65
11 Chemin des Petites Brosses
Caluire, 69300, France
Tel: +33 427190343 Fax: +33 427190343
Email: lfortin@puramatrix.com Web: www.puramatrix.com
3-D Matrix Group develops a family of synthetic peptide biomaterials, including one under the trade name PuraMatrix™ which is a fully synthetic, resorbable hydrogel, with many clinical applications including hemostasis. This innovative hemostat immediately forms a gel when exposed to blood and rapidly seals open blood vessels. It is fully-synthetic, safe, transparent, biodegradable, and easy to use.

AATS-American Association for Thoracic Surgery  Booth No: 3.08
500 Cummings Center, Suite 4550
Beverly, MA 01915, United States of America
Tel: +1 9789278330 Fax: +1 9785240461
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 cardiothoracic 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: 2.51
Bahnhofstrasse 98/100
Zuerich, 8001, Switzerland
Tel: +1 6128046423 Fax: +1 9529212309
Email: sbaack@admedus.com Web: www.admedus.com
Admedus, a global healthcare group, is working with renowned medical leaders to bring new medical technologies to market. CardioCel®, a cardiovascular scaffold, is the first of our ADAPT® tissue engineered bio-implants and is being used by surgeons to repair simple and complex cardiac defects.

Advancis Surgical  Booth No: 2.72
2 Sidings Road, Lowmoor Business Park
Kirkby in Ashfield, NG17 7JZ, United Kingdom
Tel: +44 162375150 Fax: +44 8712648238
Email: clair.flint@advancis.co.uk Web: www.advancissurgical.com
Advancis Surgical is a new trading division of Brightwake Ltd - building on the company’s medical development expertise and the sales success of its existing trading arm, Advancis Medical. We are pleased to launch our first product – the ground-breaking blood recycling system, Hemosep.
A&E Medical Corporation  
Booth No: 2.73  
2310 South Miami Boulevard, Suite 240  
Farmingdale, NJ 27703, United States of America  
Tel: +1 9193619191 Fax: +1 9193619991  
Email: ed.degler@aemedical.com Web: www.aemedical.com

A&E Medical products include the MYO/Wire® temporary pacing wires designed to provide secure placement and ease of removal. The more pliable MYO/Wire II monofilament wire conforms to the contours of the sternum and is less prone to breakage during tightening. The MYO/Punch rotating surgical punch is designed to cut a clean and round hole. The Doublewire high strength sternal closure system is designed for obese, COPD, diabetic, and other sternal dehiscence high risk patients.

Andocor NV  
Booth No: 2.68  
Kwikaard 104  
Zoersel, 2980, Belgium  
Tel: +32 33801595 Fax: +32 33801590  
Email: patrick.rosa@romed.be Web: www.andocor.com

Andocor is a company that designs and manufactures cardiovascular cannulae and catheters used during open-heart surgery. Beside our standard brand products, we also offer OEM services.

AngioDynamics  
Booth No: 2.54B  
Haaksbergweg 75 (Margriettoren)  
Amsterdam Z-O, 1101 BR, Netherlands  
Tel: +31 207532947 Fax: +31 207532939  
Email: pjuverdeanu@angiodynamics.com Web: www.angiodynamics.com

The AngioVac venous drainage system.

Argentum Medical LLC - Curasurgical LLC  
Booth No: 2.55  
2571 Kaneville Court  
Geneva, IL 60134, United States of America  
Tel: +31 6100624696 Fax:  
Email: ssmidtman@silverlon.com Web: www.silverlon.com

Argentum medical produce strong anti-microbial permanent silver plated surgical dressing releasing high amounts of Ag ions above the MIC’s for fast decolonization of the incision site after application on a save and simple way without residuals or discoloration.

Asanus Medizintechnik GmbH  
Booth No: 3.26  
take off Gewerbepark 2  
Neuhausen ob Eck, 78579, Germany  
Tel: +49 746794740 Fax: +49 7467947450  
Email: Philipp.Wolf@asanus.de Web: www.asanus.de

ASANUS is a powerful complete supplier for more than 18,000 different surgical and minimum-invasive instruments especially for the areas of visceral surgery, cardio thoracic surgery, vascular surgery, microsurgery, neurosurgery and ophthalmology. With the development of software for sterile products management, the logistics and quality management is linked with the integral service in the process management of sterile goods. With this ASANUS has developed its business activities in the surgical area and adapted according to the market needs.

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**ATMOS MedizinTechnik GmbH & Co. KG**
Ludwig-Kegel-Str. 16
Lenzkirch, 79853, Germany
Tel: +49 76536890 Fax: +49 7653689690
Email: sstankovic@atmosmed.de Web: www.atmosmed.de

ATMOS – innovations for a better life! For more than a century ATMOS MedizinTechnik develops, produces and sells in approx. 80 countries worldwide innovative solutions and products in the business fields ENT, gynaecology, suction- and drainage-systems for the OR and care sector, in cooperation with opinion leaders, users and specialists from research and science. ATMOS MedizinTechnik is a family-run, medium-sized enterprise with headquarters in the Black Forest in Lenzkirch/Germany. With about 280 employees, 5 customer centres in Germany, 13 subsidiaries worldwide and approx. 70 national representatives we are operating worldwide.

**AtriCure Europe BV**
Schiphol Boulevard 127, Tower A, Room 3.10
Schiphol, 1110 BG, Netherlands
Tel: +31 6539 Fax: +31 207005561
Email: edeBoer@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.

**Bard Davol**
Forest House, Tilgate Forest Business Park, Brighton Road
Crawley, RH11 9BP, United Kingdom
Tel: +44 1293606671
Email: nicola.clayton@crbard.com Web: www.crbard.com

C.R. Bard, Inc. is a leading multinational developer, manufacturer, and marketer of innovative, life-enhancing medical technologies in the product fields of vascular, urology, oncology and surgical speciality. In addition to this extensive suite of products, CR. Bard commercializes through his subsidiary DAVOL an extended BioSurgery product line delivering a growing portfolio of enhanced sealants and hemostatic products to complement surgical techniques across thoracic, cardiovascular, and other surgical specialties.

**B. Braun**
Carretera de Terrassa, 121
Rubi, 8191, Spain
Tel: +34 935866452 Fax: +34 936996330
Email: marie.abdo@bbraun.com 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 147 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: 3.12

Wiesenweg 10
Berlin, 12247, Germany
Tel: +49 3081872650
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: 2.52

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 herna repair and breast reconstruction.

Biointegral Surgical, Inc  Booth No: 2.11

1-200 Britannia Road East
Mississauga, ON, L4Z1S6, Canada
Tel: +1 9052680866 Fax: +1 7753139669
Email: lillian@biointegral-surgical.com  Web: www.biointegral-surgical.com

All-biological cardiovascular implants, ranging from heart valves to mitral restoration to biological grafts. Based in Canada.

Biometrix BV  Booth No: 2.56

Overbroek 10
Gronsveld, 6247 EN, Netherlands
Tel: +31 432041010 Fax: +31 432041012
Email: yonatan@biometrixmedical.com  Web: www.biometrixmedical.com

Critical Care and Surgery Consumable Products.

Cardia Innovation AB  Booth No: 2.46

Lillskogsv. 22
Saltsjobaden, 13334, 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 Rotating Heart Valve - Easy to Implant. Cardiamed B.V. is a joint-venture with MedEng. The headquarters of Cardiamed are based in the Netherlands. Both companies have many years of experience in producing and selling innovative medical devices. The patented Cardiamed prosthetic heart valve is the next step in the evolution of heart valve replacements. The leaflets, made of solid pyrolytic carbon, rotate freely inside the ring (patented) with every beat of the heart. No holes in the ring, so no washing problems.

Cardiamed BV
Mandenmakerstraat 15B
Uden, NL-5404 BJ, Netherlands
Tel: +31 413378554 Fax: +31 413353876
Email: joke@cardiamed.com Web: www.cardiamed.com

Cardica GmbH
Gottlieb-Daimler-Str. 43
Laichingen, D-89150, Germany
Tel: +49 733392599838 Fax: +49 73339259983
Email: schmidt@cardica.com Web: www.cardica.com

Cardica designs and manufactures proprietary stapling and anastomotic devices for cardiac and laparoscopic surgical procedures. Cardica’s technology portfolio is intended to reduce operating time and facilitate minimally-invasive and robot-assisted surgeries. Cardica’s MicroCutter XCHANGE® 30, a cartridge-based articulating surgical stapling device with a five-millimeter shaft diameter, is manufactured and cleared for use in a variety of gastrointestinal procedures and appendectomies in the United States, and for a wide range of surgical procedures in Europe. In addition, Cardica manufactures and markets its automated PAS Port proximal anastomosis Systems.

Cardio Medical GmbH
Industriestr. 3A
Langenhagen, 30855, Germany
Tel: +49 5117248548 Fax: +49 5117248550
Email: c.gresitza@cardiomedical.de Web: www.cardiomedical.de

Your innovative partner of medical technology. This year the company CardioMedical GmbH celebrates its 21st 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
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Velizy-Villacoublay, 78140, France
Tel: +33 139456455 Fax: +33 139456451
Email: eric.richez@carmatsas.com Web: www.carmatsa.com

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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.

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Email: sabine.steiner@cytosorbents.com Web: www.cytosorb-therapy.com

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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.

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Halton Brook Business Park, Weston Road Aston Clinton
Aylesbury, HP22 5WF, United Kingdom
Tel: +44 1296634000 Fax: +44 1296634033
Email: david.walsh@de-soutter.com Web: www.de-soutter.com

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EACTS-Euromacs and QUIP Programme
EACTS House Madeira Walk
Windsor, SL4 1EU, United Kingdom
Tel: +44 1753832166 Fax:
Email: theodeby@xs4all.nl Web: www.eacts.org

Euromacs
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).

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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.

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EACTS House Madeira Walk
Windsor, SL4 1EU, United Kingdom
Tel: +44 1753832166 Fax: +44 1753620407
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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 3.17 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 Cardiothoracic Surgery).

Edwards Lifesciences
Route de l’Etraz 70
Nyon, 1260, Switzerland
Tel: +41 227874367 Fax: +41 227874347
Email: Damien_mayor@edwards.com Web: www.edwards.com

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Email: dr.koncar@gmail.com Web: www.escvs2016.org

The 65th ESCVS meeting to be held in Belgrade, Serbia 21-24 April 2016 will be promoted. There will be printed material about Belgrade, Serbia and detailed information about the scientific program of the meeting including the list of invited speakers, topics of the workshops etc. Congress program is enriched with joint events such as ACST 2 collaborators meeting two joint sessions with cardiologist and meeting of the European board of perfusionists. All this in four days in one of the oldest cities in European continent.

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65th congress of the European Society for Cardiovascular & Endovascular Surgery. The congress will be held on 21-24 April, 2016 in Belgrade, Serbia.

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ISMICS: Innovation, technologies, and techniques in cardiothoracic and cardiovascular/vascular surgery, 2016 ISMICS Annual Scientific Meeting, 15-18 June 2016, Fairmont The Queen Elizabeth, Montreal, Quebec, Canada

Jena Valve Technology GmbH
Guerickestr. 25
Munich, 80805, Germany
Tel: +49 8955279080 Fax: +49 89552790879
Email: daiker@jenavalve.de Web: www.jenavalve.de

JenaValve™ Technology is a medical device company focused on developing transcatheter valve implantation systems to treat patients suffering from aortic valve disease. The company has both transapical and transfemoral TAVI systems to address the needs of the cardiac surgeon and cardiologist, respectively. The company’s products are currently targeted at high-risk patients unsuitable for open heart surgery. JenaValve Technology’s headquarters are in Munich, Germany. Additional company information is available at www.jenavalve.com
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Email: yomilepu@gmail.com Web: www.lepumedical.com

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Medela AG  
Laettichstrasse 4b  
Baar, 6341, Switzerland  
Tel: +41 415621140 Fax: +41 415625100  
Email: yvonne.lauper@medela.ch Web: www.medela.com

The Medela family company, headquartered in the Canton of Zug, Switzerland, was founded by Olle Larsson in 1961. Medela concentrates on two divisions: ‘Breastfeeding’, leading in the development and production of breastfeeding products, and ‘Healthcare’, engineering and manufacturing highly innovative medical vacuum technology solutions. Medela conducts fundamental research together with leading scientists, medical professionals and universities, and uses the research results in the development of its products. Medela has 18 subsidiaries in Europe, North America and Asia, distributes its products in over 90 countries, and employs 1,500 staff worldwide.

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2 Chapel St.  
Chichester, PO19 1BU, United Kingdom  
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Medos Medizintechnik AG
Im Zukunftspark 1
Heilbronn, 74076, Germany
Tel: +49 71312706425 Fax: +49 71312706499
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Medos is a leading German medical device company offering a full range of product solutions for cardiac surgery and peripheral applications. Medos focuses on the continuous development of innovative therapy solutions for cardiac surgeons and perfusionists. After two and a half decades Medos is well established as a provider of products for extracorporeal organ support and organ replacement. Manufacturing in Germany, Medos is present worldwide in order to ensure a personal contact to its customers.

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NeoChord, a Minneapolis, Minnesota medical device company, intends to transform mitral valve repair by providing minimally invasive technology that enables beating heart, sternal sparing implantation of artificial chordae tendineae.

On-X Life Technologies INC™
1300 E. Anderson Lane, Bldg B
Austin, TX 78752, United States of America
Tel: +1 5123398000 Fax: +1 5128365228
Email: lmcdaniel@onxlti.com Web: www.onxlti.com

On-X Life Technologies is proud to announce FDA Approval to reduce INR to 1.5–2.0 for On-X® Aortic Heart Valve patients starting 3 months after surgery. Chord-X® ePTFE suture for mitral repair is now available in an innovative Pre-Measured Loops system.

OpInstruments GmbH
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Tel: +49 69244333115 Fax: +49 69244333115
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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 No. 2.58 in Hall 2.

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Peters Surgical is a French Medical Device manufacturer which allies a double expertise in Cardiovascular and Digestive surgeries. With its century of experience, Peters Surgical is the most recognized Suture Specialist in the world of Cardiac and Vascular surgeries. Peters Surgical is also proud to be the European leader in the haemostatic clip market with its Vitalitec range of products. In brief, Peters Surgical is truly the European Leader in the field of cardiac and vascular closure devices.

PneuX Life Systems
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Tel: +44 7797790462 Fax: +44 1534888110
Email: sinead.renouf@venner.com Web: www.vennermedical.com

PneuX Life Systems is a healthcare provider focused on improving patient outcome and providing clinical benefits to both the patient and healthcare provider.

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Email: raffaele.pple@posthorax.com Web: www.posthorax.com

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Email: monica@qualiteam.com Web: www.qualiteam.com

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Since its early beginning at NASA, the U.S. Space Program and the Texas Medical Center in Houston in 1988, RH has been committed to developing, manufacturing and marketing innovative mechanical circulatory support solutions for patients suffering from severe congestive heart failure. RH offers state-of-the-art technologies such as the HeartAssist5 Ventricular Assist Device (VAD) System. Close collaboration with heart failure specialists and cardiovascular surgeons worldwide. Offices in Houston TX and Uden The Netherlands.

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Tel: +1 7275359600 Fax: +1 7275680919  
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Rumex International is a surgical instrumentation company headquartered in the USA in 1994. The brand is represented in Europe by Rumex Baltics SIA. Manufacturing facilities are based in Russia and the UK. Quality of instruments is guaranteed by the US management. Affordable pricing, globally sold.

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Lausanne, 1005, Switzerland
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SORIN GROUP is a global medical device company and a leader in the treatment of cardiovascular diseases. With over 3750 employees worldwide, the Company develops, manufactures and markets medical technologies for cardiac surgery and for the treatment of cardiac rhythm disorders. Each year, more than one million patients are treated with Sorin Group devices in more than 80 countries. Our life-saving products are in more than 5000 hospitals worldwide.
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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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Symetis is a leading developer of innovative, transcatheter aortic valve implantation (TAVI) systems for transfemoral and transapical access routes. The company’s CE marked products, ACURATE TA™ and ACURATE neo™, are based on proprietary geometry and delivery technologies. Our bioprostheses are based on a unique, intelligent, self-seating and self-sealing design that allows for optimal positioning and predictable deployment of the valve. Our ACURATE TAVI systems are intuitive and easy to use allowing for a quick learning curve. The company’s headquarters are in Ecublens (Lausanne), Switzerland. Manufacturing sites are in Ecublens, Switzerland and Belo Horizonte, Brazil.

SynCardia Systems, Inc.
1992 E. Silverlake Road
Tucson, 85713, United States of America
Tel: +1 520 545 1234 Fax: +1 520 903 1783
Email: abridges@syncardia.com Web: www.syncardia.com

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Email: Jessica.herczeg@terumo-europe.com Web: www.terumo-europe.com

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The Heart Valve Society is an organisation formed to undertake, promote, support and encourage research and the education of the public in the causes, prevention, and treatment of heart valve disease, and related cardiac diseases, illnesses or conditions. The Society is comprised of individuals interested in and dedicated to improving heart valve disease in the global population, including cardiologists, cardiothoracic surgeons, researchers, allied health professionals, students, and institutional representatives. Members of the Society span the globe.

The Medicines Company
8 Sylvan Way
Parsippany, NJ 07054, United States of America
Tel: +1 2067148570 Fax: +1 2064426554
Email: kristi.gilbert@themedco.com Web: www.themedicinescompany.com

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Burnett House, Lakeview Court Ermine Business Park
Huntingdon, PE29 6UA, United Kingdom
Tel: +44 1480443382 Fax: +44 1480454126
Email: kate.james@thoratec.com Web: www.thoratec.com

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No. 24, Keda 1 Road, TEDA (Jinnan) Microelectronics Park, Jinnan District
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-corpoporeal 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.

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Houston, Texas 77035, United States of America
Tel: +1 7137236900 Fax: +1 7137236906
Email: sales@wexlersurgical.com Web: www.wexlersurgical.com

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Email: contact@wspchs.org Web: www.wspchs.org

The mission of the World Society for Pediatric and Congenital Heart Surgery is to promote the highest quality comprehensive cardiac care to all patients with congenital heart disease, from the fetus to the adult, regardless of the patient’s economic means, with an emphasis on excellence in teaching, research and community service.

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Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer Biomet is a global leader in musculoskeletal healthcare. We design, manufacture and market a comprehensive portfolio of innovative Thoracic products and treatment solutions for surgeons and patients including, the RibFix™ Blu Thoracic Fixation System and the SternaLock® Blu Primary Closure System.
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- Surgical considerations during CPB

MONDAY 5 OCTOBER
- Functional repair: CoreValve® S370
  Profile S370
- Surgical considerations during CPB
- CoreValve® Evolut™ R multiple access
- The power of organs: Cardioblate® CryoCath

TUESDAY 6 OCTOBER
- Degenerative repair: St Jude® aortic root
- Surgical considerations during CPB
- CoreValve® Evolut™ R multiple access
- The power of organs: Cardioblate® CryoCath

SATellite SYMPosiumS:

MONDAY 5 OCTOBER
12:45-14:00
Room C
Evolution of aortic stenosis treatment options: Perspectives from cardiac surgeons, cardiologists and Industry
Chairman: G. Gencoe - Italy
Faculty: T. Gence - Switzerland
F. Younas - USA
J. Owen - UK

TUESDAY 6 OCTOBER
12:55-14:00
Room C
Mild valve disease management: positioning yourself for the lesions to come
Chairman: G. Alten - Italy
Faculty: Y. Leger - Germany
F. Pelle - Germany
R. Kula - Netherlands

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