



68th International congress of the European Society
of Cardiovascular and EndoVascular Surgery

ESCVS 2019

PRELIMINARY PROGRAMME

22 – 25 May 2019
Groningen, The Netherlands

PRELIMINARY PROGRAMME SCIENTIFIC SESSIONS

Thursday, 23 May 2019

3 – 6

Friday, 24 May 2019

7 – 12

Saturday, 25 May 2019

13 – 14





Thursday, May 23, 2019

CARDIAC YOUNG SURGEON AWARD SESSION

08:00

09:30

Chairman: T. Folliguet (*France*)

Jury: E. Demirsoy (*Turkey*), F. Doguet (*France*), M. Thielmann (*Germany*)

WORKSHOP: LeMaitre

08:00

09:30

Course director: B. Saleem (*Netherlands*)

CARDIOVASCULAR CINEMA

08:00

09:30

CARDIAC ABSTRACTS SESSION 1: CORONARY REVASCULARIZATION

08:00

09:30

Moderators: N. Bonaros (*Austria*), J.M. Hartman (*Netherlands*)

Keynote Lecture: Minimally invasive coronary surgery: techniques and evidence

N. Bonaros (*Austria*)

VASCULAR ABSTRACTS SESSION 1: VEINS

08:00

09:30

Moderators: TBA

Keynote Lecture: Treatment of obstructive disease in pelvic congestion syndrome patients

M. Wikkeling (*Netherlands*)

VASCULAR ABSTRACTS SESSION 2: THORACIC AORTA

08:00

09:30

Moderators: TBA

Keynote Lecture: Debranching of supra-aortic vessels and TEVAR in landing zone zero and one for complex thoracic aorta disease

A. Turiano (*Italy*)

VASCULAR ABSTRACTS SESSION 3: VASCULAR BIOLOGY

08:00

09:30

Moderators: TBA

Keynote Lecture: Immune cell heterogeneity in atherosclerosis

C. Monaco (*UK*)

09:30 – 10.00 COFFEE BREAK & EXHIBITS



Thursday, May 23, 2019

10:00
10:30**SPECIAL GUEST**10:30
12:30**CARDIOVASCULAR INTERDISCIPLINARY SESSION****Chairman:** T. Folliguet (*France*)**Moderators:** M.A. Mariani (*Netherlands*), C. Zeebregts (*Netherlands*)

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|---|---|
| 1. Arch aneurysms Chimney technology: patient selection and outcome | J. Brunkwall (<i>Germany</i>) |
| 2. Aortic arch repair in the endovascular era | R. Heijmen (<i>Netherlands</i>) |
| 3. Open aortic arch surgery: still the gold standard? | W. Morshuis (<i>Netherlands</i>) |
| 4. Endovascular treatment of thoraco-abdominal aneurysms | M. Gargiulo (<i>Italy</i>) |
| 5. Aortic dissection type B: latest insights | J. Blankensteijn (<i>Netherlands</i>) |
| 6. Treatment of complex aortic aneurysm with in situ laser fenestration of endoprostheses | P. Desgranges (<i>France</i>) |
| 7. Total rerouting of the aortic arch in high-risk patients | R. Haaverstad (<i>Norway</i>) |

12:30
13:00**ESCVS LIFETIME ACHIEVEMENT AWARD****Introduction by:** D. Palombo (*Italy*)LERICHE LECTURE: J.A. Parodi (*USA*)13:00
14:00**LUNCH BREAK, EXHIBITS & INDUSTRY SPONSORED SYMPOSIA****EDWARDS**
LUNCHTIME SYMPOSIUM**MAQUET GETINGE**
LUNCHTIME SYMPOSIUM**ATRICURE**
LUNCHTIME SYMPOSIUM14:00
16:00**CARDIAC SYMPOSIUM 1: MITRAL VALVE SURGERY****Moderators:** O.R. Alfieri (*Italy*), L. Muller (*Austria*)

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|--|------------------------------------|
| 1. Is open repair still the gold standard in mitral valve surgery? | O.R. Alfieri (<i>Italy</i>) |
| 2. The role of preoperative mitral imaging in surgical decision making | F. Mahmood (<i>USA</i>) |
| 3. Minimally invasive mitral valve surgery and the use of chordal loops | J. Seeburger (<i>Germany</i>) |
| 4. State-of-the-art in minimally invasive mitral valve repair | T. De Kroon (<i>Netherlands</i>) |
| 5. Transcatheter treatment options for mitral valve disease | M. Andreas (<i>Austria</i>) |
| 6. Assessment of the risk of mitral regurgitation based on structural mitral valve reserve | K.R. Khabbaz (<i>USA</i>) |



Thursday, May 23, 2019

CARDIAC ABSTRACTS SESSION 2: RHYTHM SURGERY & MISCELLANEOUS

14:00

16:00

Moderators: M.A. Mariani (*Netherlands*), S. Benussi (*Italy*)**Keynote Lecture:** AF ablation: where we came from and where we are headingS. Benussi (*Italy*)**VASCULAR SYMPOSIUM 1: AAA REPAIR****Moderators:** TBA**Panelists:** TBA**Short talks and panel discussion**

14:00

15:00

1. DREAM trial is from last decade, can we apply results to contemporary practice? J. Blankensteijn (*Netherlands*)
2. AAAs 5.0-5.4 cm in diameter may need special attention and should not be considered small A. Giannoukas (*Greece*)
3. AAA guideline - ESVS, SVS or NICE - who to follow? M. van Sambeek (*Netherlands*)
4. Rare categories of AAA: when I prefer open repair (inflammatory, horseshoe) L. Davidovic (*Serbia*)
5. Complex aorta aneurysms (FEVAR/BEVAR) in combinations with covered stents S. Abisi (*UK*)

15:00

16:00

VASCULAR SYMPOSIUM 2: ESCVS & DUTCH SOCIETY FOR VASCULAR SURGERY JOINT SESSION**Moderators:** TBA**VASCULAR SYMPOSIUM 3: VASCULAR GRAFT INFECTION****Moderators:** TBA

16:00

17:00

1. Accuracy of current diagnostic imaging in patients with prosthetic graft infection B. Saleem (*Netherlands*)
2. Stents and graft infection in the supra-aortic trunks N. Chakfe (*France*)
3. Infection of a vascular prosthetic graft in the thoracic aortic area V. Arakelyan (*Russian Federation*)
4. Open repair of mycotic abdominal aneurysms with biological grafts C. Setacci (*Italy*)
5. The role of inflammation and arterial stiffness in the outcomes of endovascular aortic procedures C. Liapis (*Italy*)

16:00 – 16:30 COFFEE BREAK & EXHIBITS



Thursday, May 23, 2019

CARDIAC SYMPOSIUM 2: RHYTHM SURGERY**Moderators:** M.A. Mariani (*Netherlands*), I.C. Van Gelder (*Netherlands*)

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|----------------|---|---------------------------------------|
| 16:30
18:00 | 1. Impact of current guidelines on clinical practice | S. Benussi (<i>Italy</i>) |
| | 2. Design of the CEASE-AF trial and results of the Stuttgart approach | N. Doll (<i>Germany</i>) |
| | 3. Thoracoscopic ablation: safety, stroke outcome and long-term results | F.N. Hofman (<i>Netherlands</i>) |
| | 4. Single stage hybrid ablation | M. La Meir (<i>Belgium</i>) |
| | 5. State-of-the-art and future perspectives in catheter ablation | L.V.A. Boersma (<i>Netherlands</i>) |
| | 6. The impact of concomitant ablation in cardiac surgery | P. Suwalski (<i>Poland</i>) |

VASCULAR ABSTRACTS SESSION 4: PERI-OPERATIVE MANAGEMENT

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|----------------|--|-----------------------------------|
| 16:30
18:00 | Moderators: TBA | |
| | Keynote Lecture: What a vascular surgeon needs to know about perioperative management of DOACs | E. Arnaoutogolu (<i>Greece</i>) |
| | Keynote Lecture: Pre-operative coronary CT-Fractional Flow reserve (FFRct) evaluation may reduce risk of post-op MI/death | D. Krievins (<i>Latvia</i>) |

VASCULAR ABSTRACTS SESSION 5: MISCELLANEOUS

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|----------------|--|----------------------------------|
| 16:30
18:00 | Moderators: TBA | |
| | Keynote Lecture: Legal and ethical dilemmas when treating a Jehovah witness | M. Radovanovic (<i>Serbia</i>) |

CARDIAC ABSTRACTS SESSION 3: MITRAL VALVE SURGERY

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|----------------|---|-------------------------------|
| 16:30
18:00 | Moderators: O.R. Alfieri (<i>Italy</i>), I.J. den Hamer (<i>Netherlands</i>) | |
| | Keynote Lecture: What is an optimal mitral valve repair? | O.R. Alfieri (<i>Italy</i>) |

BEST CARDIAC POSTER SESSION

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|----------------|---|
| 16:30
18:00 | Moderators: M.E. Erasmus (<i>Netherlands</i>), M. Thielmann (<i>Germany</i>) |
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VASCULAR YOUNG SURGEON AWARD SESSION

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|----------------|--|--|
| 17:00
18:30 | Chairman: L. Davidovic (<i>Serbia</i>) | |
| | Jury: F. Grego (<i>Italy</i>), M. Matsagkas (<i>Greece</i>), D. Palombo (<i>Italy</i>), V. Treska (<i>Czech Republic</i>), M. van der Laan (<i>Netherlands</i>) | |

BEST VASCULAR POSTER SESSION

- | | |
|----------------|------------------------|
| 17:00
18:30 | Moderators: TBA |
|----------------|------------------------|

ADJOURN



Friday, May 24, 2019

VASCULAR: MEET THE EXPERTS

08:00

Moderator: M. Matsagkas (*Greece*)

09:30

Case discussions: Presentations of controversial special cases with experts giving their view for treatment and final treatments executed and final result case result will be presented.

CARDIAC ABSTRACTS SESSION 4: TAVI

08:00

Moderators: M. Kofler (*Germany*), M. Thielmann (*Germany*)

09:30

Keynote Lecture: TAVI update 2019M. Thielmann (*Germany*)**WORKSHOP: BIOINTEGRAL**

08:00

09:30

Course director: B. Saleem (*Netherlands*)**CARDIAC ABSTRACTS SESSION 5: MECHANICAL SUPPORT & TRANSPLANTATION**

08:00

Moderators: M. Kuijpers (*Netherlands*), D. Wiedemann (*Austria*)

09:30

Keynote Lecture: Minimally invasive LVAD implantation: from technique to evidenceD. Wiedemann (*Austria*)**VASCULAR ABSTRACTS SESSION 6: CAROTIDS**

08:00

Moderators: TBA

09:30

Keynote Lecture: Early outcomes of routine delayed shunting in carotid endarterectomy for asymptomatic patients.F. Grego (*Italy*)**VASCULAR ABSTRACTS SESSION 7: ENDOVASCULAR PROCEDURES**

08:00

Moderators: TBA

09:30

Keynote Lecture: The importance of type 2 EL after EVAR is grossly overrated and their treatment does more harm than goodH. Verhagen (*Netherlands*)**VASCULAR CINEMA**

08:00

09:30

Video and presentations of the worst cases or complications occurred

09:30 – 10.00 COFFEE BREAK & EXHIBITS



Friday, May 24, 2019

CARDIAC SYMPOSIUM 3: AORTIC VALVE REPAIR**Moderators:** M. Grimm (*Austria*), G. Mecozzi (*Netherlands*)

10:00 11:00	1. Aortic annuloplasty: a standardized approach of aortic valve repair	E. Lansac (<i>France</i>)
	2. Aortic valve repair: principles and long-term results (the Homburg approach)	U. Schneider (<i>Germany</i>)
	3. Bicuspid aortic valve repair	J. Vojacek (<i>Czech Republic</i>)

ESCVS – SFCTCV JOINT SESSION**Moderators:** T. Folliguet (*France*), J.P. Verhoye (*France*), L. Davidovic (*Serbia*), M. van der Laan (*Netherlands*)

10:00 12:00	1. Computer planning for surgery of the great vessels	J. Touati (<i>France</i>)
	2. Endovascular treatment of the aortic arch	R. Martinez (<i>France</i>)
	3. MAC mitral annulus calcified: hybrid treatment of the mitral valve	L. Labrousse (<i>France</i>)
	4. The role of a cardiac surgeon for TAVI in France	V. Ruggieri (<i>France</i>)
	5. Endoavalvular treatment of the mitral valve	T. Modine (<i>France</i>)
	6. Robotic mitral valve repair	É. Bergoend (<i>France</i>)
	7. The importance of TAVI training for young surgeons	R. Belhaj (<i>France</i>)

VASCULAR SYMPOSIUM 4: INNOVATIONS IN VASCULAR SURGERY**Moderators:** TBA

10:00 11:00	1. Assessment of carotid plaque morphology using photoacoustic imaging	M. van Sambeek (<i>Netherlands</i>)
	2. Novel ultrasound imaging for PAD: High frame rate Ultrasound Particle Image Velocimetry in combination with contrast bubbles; first in human results for the abdominal aorta.	M. Reijnen (<i>Netherlands</i>)
	3 Hemodynamic changes provoked by endograft, measured with 4D-MR	S. Bellmunt Montoya (<i>Spain</i>)
	4. The DETOUR procedure: no more need for conventional bypass surgery?	D. Krievins (<i>Latvia</i>)
	5. The use of artificial intelligence in vascular surgery.	M. Wikkeling (<i>Netherlands</i>)
	6. Multimodality imaging of vascular disease.	R. Geelkerken (<i>Netherlands</i>)

WORKSHOP: GORE

10:00 12:00	Course director: I. Tielliu (<i>Netherlands</i>)
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Friday, May 24, 2019

CARDIAC SYMPOSIUM 4: TAVI**Moderators:** Y.L. Douglas (*Netherlands*), R.J.M. Klautz (*Netherlands*)

11:00 12:00	1. Long-term outcomes of TAVI - will the success continue?	M. Thielmann (<i>Germany</i>)
	2. Risk stratification and the expansion of the indication for TAVI	M. Kofler (<i>Germany</i>)
	3. Valve-in-valve transcatheter aortic valve implantation	M. Andreas (<i>Austria</i>)

VASCULAR SYMPOSIUM 5: PERIPHERAL ARTERIAL OCCLUSIVE DISEASE**Moderators:** TBA

11:00 12:30	1. 55 years of experience - Indications to revascularization procedures for lower extremities atherosclerotic obliterative disease	G. Deriu (<i>Italy</i>)
	2. In vivo evaluation of popliteal artery morphological variation during knee bending after EV treatment.	D. Palombo (<i>Italy</i>)
	3. Results of the IN.PACT Admiral drug-coated balloon in patients with Critical Limb Ischemia, based on the IN.PACT Global registry (SFA and popliteal artery) including a cost-efficacy analysis.	M. Reijnen (<i>Netherlands</i>)
	4. Minimizing failure in critical lower limb ischemia intervention: Adjuvant capillary bed recruitment is the missed opportunity	S. Sultan (<i>Ireland</i>)
	5. Treatment of CLI with stem cells.	M. Ionac (<i>Romania</i>)
	6. Early and long term outcomes of open versus endovascular repair for tac c/d aorto-iliac obstructive lesions in young patients.	F. Grego (<i>Italy</i>)
	7. MRA based, patient-specific model to determine borderline iliac artery stenosis severity" The DETECT-PaD study.	J.P. de Vries (<i>Netherlands</i>)
	8. Composite PTFE-autologous saphenous vein grafts to treat critical limb ischaemia: long-term follow-up results.	A. Turiano (<i>Italy</i>)

CARDIAC SYMPOSIUM 5: SUTURELESS VALVES**Moderators:** M. Glauber (*Italy*), R.J.M. Klautz (*Netherlands*)

12:00 13:00	1. TBA	M. Glauber (<i>Italy</i>)
	2. Sutureless valves: an option for the small aortic annulus?	N. Bonaros (<i>Austria</i>)
	3. Sutureless aortic valves: from the Pilot Trial to the Persist Trial	T. Folliguet (<i>France</i>)



Friday, May 24, 2019

CARDIAC SYMPOSIUM 6: WESTERN & EASTERN EUROPE**Moderator:** S. Micovic (*Serbia*)11:00
12:00

1. East meets West: optimal strategy for VAD and heart transplantation treatment in end-stage heart failure

S. Putnik (*Serbia*)

2. East meets West: left ventricular restoration in end-stage ischemic dilated cardiomyopathy

Z. Jonjev (*Serbia*)

3. East meets West: starting an aortic valve repair program in Serbia: where do we stand after 5 years?

S. Micovic (*Serbia*)**CARDIAC SYMPOSIUM 7: SAFETY & QUALITY CONTROL****Moderators:** M.A. Mariani (*Netherlands*), S. Nashef (*England*)12:00
13:00

1. "The naked surgeon": how to manage a cultural change in the OR

S. Nashef (*England*)

2. The "safety check" in cardiac surgery

G. Brandon Bravo Bruinsma (*Netherlands*)

3. BlackBox medical data recorder

M. Kriens (*Netherlands*)**KIEFFER LECTURE****Introduction by:** L. Davidovic (*Serbia*)12:30
13:00

State of the art of open thoraco-abdominal aortic aneurysm repair: 25 years of experience.

R. Chiesa (*Italy*)**LUNCH BREAK, EXHIBITS & INDUSTRY SPONSORED SYMPOSIA**13:00
14:00**MEDTRONIC**
LUNCHTIME SYMPOSIUM**TERUMO AORTA**
LUNCHTIME SYMPOSIUM**LIVANOVA**
LUNCHTIME SYMPOSIUM**CARDIAC ABSTRACTS SESSION 6: AORTIC DISSECTION**14:00
15:00**Moderator:** T.J. Klinkenberg (*Netherlands*)



Friday, May 24, 2019

JOINT SYMPOSIUM: ACUTE AORTIC SYNDROMES**Moderators:** M.A. Mariani (*Netherlands*), R. Di Bartolomeo (*Italy*)14:00
16:00

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| 1. Management of the aortic arch in acute aortic syndromes | E. Natour (<i>Netherlands</i>) |
| 2. Type A dissection: hit and run or extended preventive surgery? | W.J. Morshuis (<i>Netherlands</i>) |
| 3. Unraveling the pathophysiology of aortic aneurysms by studying smooth muscle cell behaviour | K. Yeung (<i>Netherlands</i>) |
| 4. Acute and urgent thoracic aortic syndromes without acute dissection | R. Haaverstad (<i>Norway</i>) |
| 5. Acute aortic syndromes: total aortic arch replacement with FET | M. Shrestha (<i>Germany</i>) |
| 6. Emergency EVAR - the new standard of care for ruptured AAA | H. Eckstein (<i>Germany</i>) |
| 7. Acute aortic syndromes in patients with associated genetic disorders | J. Dumfarth (<i>Austria</i>) |

CARDIAC ABSTRACTS SESSION 7: MINI-AVR & SUTURELESS15:00
16:00**Moderators:** T. Folliguet (*France*), M. Glauber (*Italy*)**VASCULAR SYMPOSIUM 6: EARLY AND LONG TERM COMPLICATIONS AFTER AORTIC SURGERY****Moderators:** TBA14:00
15:00

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| 1. Long-term patency of renal and splanchnic vessels after TAAA open repair. | G. Melissano (<i>Italy</i>) |
| 2. Strategies to prevent spinal cord ischemia in endovascular treatment of TAAA | M. van der Laan (<i>Netherlands</i>) |
| 3. Incidence and outcomes of colonic ischemia following AAA repair. | S. Debus (<i>Germany</i>) |
| 4. PET in the prediction of the outcome of the aneurysmal sac in patients with type II endoleak | N. Sakalihassan (<i>Belgium</i>) |
| 5. Late Type 1 B Endoleaks in TEVAR at longer follow-up | F. Moll (<i>Netherlands</i>) |

VASCULAR SYMPOSIUM 7: PARALLEL GRAFTS**Moderators:** TBA15:00
16:00

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|---|------------------------------------|
| 1. Parallel grafts to treat whole aorta pathologies | Z. Rancic (<i>Switzerland</i>) |
| 2. Using Chimneys for pararenal aneurysms. Lessons learned so far | M. Matsagkas (<i>Greece</i>) |
| 3. Endovascular treatment of AAAs with short necks: standard EVAR, Endoanchors, CHEVAR or FEVAR | H. Verhagen (<i>Netherlands</i>) |
| 4. What we have learned from in-vitro chimney studies | K. Yeung (<i>Netherlands</i>) |

Friday, May 24, 2019

VASCULAR SYMPOSIUM 8: VENOUS DISEASE

Moderators: TBA

16:00
17:00

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|---|------------------------------------|
| 1. Pathophysiological mechanisms of chronic venous disease and implications for venoactive drug therapy | A. Mansilha (<i>Portugal</i>) |
| 2. Treatment of chronic venous disease in Romania | M. Ionac (<i>Romania</i>) |
| 3. Endovascular treatment of chronic iliac vein occlusion | S. Black (<i>United Kingdom</i>) |
| 4. Tinzaparin in intermediate dose for the treatment of superficial vein thrombosis: Results from an observational multicenter study-SeVEN study. | A. Giannoukas (<i>Greece</i>) |
| 5. MOCA using the Clarivein device (5 year FU of a prospective series and one-year outcome of a RCT) | M. Reijnen (<i>Netherlands</i>) |

16:00 – 16:30 COFFEE BREAK & EXHIBITS

CARDIAC SYMPOSIUM 8: MECHANICAL SUPPORT & TRANSPLANTATION

Moderators: M.E. Erasmus (*Netherlands*), F.Z. Ramjankhan (*Netherlands*)

16:30
18:00

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|---|----------------------------------|
| 1. Indications for heart transplantation or LVAD listing in Europe | A. Zuckermann (<i>Austria</i>) |
| 2. LVAD will make heart transplantation obsolete | I. Knezevic (<i>Slovenia</i>) |
| 3. Increasing the donor heart pool: new machine preservation concepts | F. Rega (<i>Belgium</i>) |
| 4. Donation after cardiac death: problems and strategies | S. Pelenghi (<i>Italy</i>) |
| 5. Is LVAD therapy equaling heart transplantation in effectiveness and quality of life? | A. Faine (<i>Norway</i>) |
| 6. Crossing borders for quality: referred cases from Dutch LVAD centers to Bad Oeynhausen | M. Morshuis (<i>Germany</i>) |

VASCULAR RESIDENT FORUM

16:30
18:00

Moderator: M. Planinc (*Croatia*)

ADJOURN



Saturday, May 25, 2019

VASCULAR ABSTRACTS SESSION 8: PERIPHERAL ARTERIAL OCCLUSIVE DISEASE (PAOD)

08:00
09:30

Moderators: TBA
Keynote Lecture: TBA

CARDIAC ABSTRACTS SESSION 8: CONGENITAL CARDIAC SURGERY

08:00
09:30

Moderators: J. Kluin (*Netherlands*), F. Haas (*Netherlands*)
Keynote Lecture: Replacing cardiac structures

J. Kluin (*Netherlands*)

CARDIAC SYMPOSIUM 9: PERFUSION
Moderators: P. Vos (*Netherlands*), L. Muller (*Austria*)

08:00
09:30

1. Global education, innovation and capacity building	J. Kpodnonu (<i>United States</i>)
2. Blood conservation and cell savers: the future	N. Ben Ayad (<i>Netherlands</i>)
3. The inflammatory reaction in cardiac surgery and perfusion: an update	E. Squicciarro (<i>Italy</i>)
5. Aortic arch surgery: considerations for the perfusionist	P.J. Van den Barselaar (<i>Netherlands</i>)

VASCULAR ABSTRACTS SESSION 9: VASCULAR ACCESS

08:00
09:30

Moderators: TBA
Keynote Lecture: Treatment of complications of vascular access

M. Menegolo (*Italy*)

VASCULAR ABSTRACTS SESSION 10: AAA

08:00
09:30

Moderators: TBA
Keynote Lecture: One thousand AAA operations: a single center experience

V. Treska (*Czech Republic*)

09:30 – 10:00 COFFEE BREAK & EXHIBITS

VASCULAR SYMPOSIUM 9: FROM BIOLOGY TO CLINIC: CAROTID DISEASE
Moderators: TBA

10:00
11:15

1. Identification of high risk asymptomatic carotid patients on best medical treatment	G.J. de Borst (<i>Netherlands</i>)
2. Carotid total occlusion as a marker of severe atherosclerosis	C. Liapis (<i>Greece</i>)
3. Carotid stenosis: what is the best evidence for intervention?	A. Halliday (<i>UK</i>)
4. Taxinomis European Carotid Project: General	D. Fotiadis (<i>Greece</i>)
5. Taxinomis European Carotid Project: Genetics	G. Pasterkamp (<i>Netherlands</i>)
6. Taxinomis European Carotid Project: Biology	J. Pelisek (<i>Germany</i>)
7. Taxinomis European Carotid Project: European Carotid Project: Engineering	T. Stakenborg (<i>Belgium</i>)

Saturday, May 25, 2019

**CARDIAC SYMPOSIUM 10: CARDIAC ANESTHESIA****Moderators:** T.W.L. Scheeren (*Netherlands*), J.M.A.A. van der Maaten (*Netherlands*)

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|----------------|--|----------------------------------|
| 10:00
11:00 | 1. 3D imaging in mitral valve surgery | F. Mahmood (<i>USA</i>) |
| | 2. From imaging to physiology: LV contractility and ventriculo-arterial coupling | F. Guarracino (<i>Italy</i>) |
| | 3. 3D virtual planning and imaging in the UMCG 3D lab | M. Witjes (<i>Netherlands</i>) |

CARDIAC SYMPOSIUM 12: CONGENITAL CARDIAC SURGERY**Moderators:** T. Ebels (*Netherlands*), T. Martens (*Belgium*)

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|----------------|---|--------------------------------------|
| 10:00
11:00 | 1. The role of minimally invasive techniques in congenital aortic surgery | R. Pretre (<i>Switzerland</i>) |
| | 2. Valve sparing aortic root surgery in children and young adults | R.E. Accord (<i>Netherlands</i>) |
| | 3. Resection of Kommerell and reimplantation of lusoria in vascular ring | S.C. Arrigoni (<i>Netherlands</i>) |

CARDIAC SYMPOSIUM 11: QOL & ELDERLY**Moderators:** E.J. Daeter (*Netherlands*), S.E.J.A. De Rooij (*Netherlands*)

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| 11:00
12:00 | 1. QOL after cardiac surgery: a multicentre study of routinely-collected health data in the Netherlands | F. Zwiers (<i>Netherlands</i>) |
| | 2. The 'age' multidisciplinary conference | R. Smoor (<i>Netherlands</i>) |
| | 3. Frailty at your fingertips | S.E.J.A. De Rooij (<i>Netherlands</i>) |

VASCULAR SYMPOSIUM 10: CEA & CAS, A NEVERENDING STORY**Moderators:** TBA

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| 11:00
12:00 | 1. Gender differences in outcome after CEA and CAS | T. Cohnert (<i>Austria</i>) |
| | 2. Surgical treatment of asymptomatic carotid disease | G. Sokurenko (<i>Russian Federation</i>) |
| | 3. Roadsaver clinical results of the Italian and European Registries | C. Setacci (<i>Italy</i>) |
| | 4. Advantages of TCAR as compared to CAS and CEA | H. Eckstein (<i>Germany</i>) |

CARDIAC SYMPOSIUM 13: CT & MRI**Moderators:** G. Dahle (*Norway*), T. Folliguet (*France*)

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| 11:00
12:00 | 1. The role of CT and MRI in transcatheter valve implantation | G. Dahle (<i>Norway</i>) |
| | 2. TBA | T. Modine (<i>France</i>) |
| | 3. Cardiac CT: all you need to know before sutureless AVR | A. Cerillo (<i>Italy</i>) |

ADJOURN