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EUROPEAN SYMPOSIUM ON VASCULAR BIOMATERIALS

14TH EDITION



Programme 2025

@esvbⁱ

DAY 1

FRIDAY

ACCUEIL

7:15^{am}

SESSION 1

Occluded aorto-iliac bifurcation 1

8:15^{am}

Alin Totorean

Timisoara, Romania

Patient-specific image-based computational fluid dynamics analysis of abdominal aorta and branches

Jin Hyun Joh

Seoul, Korea

References diameters of the abdominal aorta and iliac arteries in different populations

Adam Szonyi & Edit Dosa

Budapest, Hungary

Effect of sex, age, and cardiovascular risk factors on aortoiliac segment geometry

Anna Fornasari

Strasbourg, France

Aorto-iliac calcifications characterizations

SESSION 2

Occluded aorto-iliac bifurcation 2

9:15^{am}

Sandro Lepidi

Trieste, Italy

Comparative outcomes of aortobifemoral bypass with or without previous endovascular kissing stenting of the aortoiliac bifurcation

Michele Antonello

Padova, Italy

Endovascular technologies calcified aorto-iliac occlusions

Athanasios Saratzis

Leicester, UK

Covered vs. bare metal stents in the reconstruction of the aortic bifurcation. Clinical and experimental evidences

Yves Alimi

Marseille, France

Experimental devices versus hand-sewn anastomoses of arteries : a systematic review

Sajid Kazmi

Oslo, Norway

Laparoscopic and robotic technologies for aorto-iliac occlusive disease

Fabien Thaveau

Clermont-Ferrand, France

COFFEE BREAK

10:30^{am}

SESSION 3

Branches, windows and Co 1

11^{am}

Mauro Gargiulo

Bologna, Italy

Fenestrated and Branched Endografts for Partial and Total Endovascular Repair of the Aortic Arch

Jason Lee

Stanford, USA

Aortic motion, in areas of connection ?

Industry TBD

The main requirements for a branch in the arch
The main requirements for a fenestration

SESSION 4

Branches, windows and Co 2

12^{am}

Jean-Paul de Vries

Groningen, The Netherlands

Three-Dimensional Geometric Analysis of bridging stents in fenestrated endovascular aortic repair

Industry TBD

Bridging stents : flexible but crush resistance & crush resistance but flexible

Eline Verstegen

Germany

Uteeva Purity membrane for cardiovascular applications

Florent Budillon

Pforzheim, Germany

From the flash inspiration to the final medical device

LUNCH

Salle Churchill

13^{pm}

Sebastian Debus

Hamburg, Germany

A European think tank on reappraisal of open surgery technologies

DAY 1

FRIDAY

SESSION 5

Branches, windows and Co 3

2:30pm

Dean Arnaoutakis
Tampa, USA | PMEG, the good, the bad and hugly

Sébastien Deglise
Lausanne, Switzerland | How PMEG are built in the real life : a literature review and survey

Frédéric Heim
Mulhouse, France | Textile mechanics and degradation prediction

Yves Bayon
Trevoux, France | Industry research and choices for endografts textile fabrics

Jeremy Jayet
Paris, France | Designs and components does matter

SESSION 6

Peripheral

3:30pm

Emilio Alarcon
Ottawa, Canada | Manufacturing and validation of small-diameter vascular grafts

Adrien Hertault
Valencienne, France | Sirolimus ? Paclitaxel ? A comprehensive review

Norbert Radasci
Edinburg, UK | Recent advancements in the bioprinting of vascular grafts

Frank Witte
Germany | Biodegradable Metal Implants for Vascular Applications

Mo Xiumei
Shanghai, China | Development of biodegradable polymeric stents

Jos van den Berg
Lugano, Switzerland | Overview of current clinical data of resorbable scaffolds

Stefan Jockehoevel
E-spinning of bioactive micro-tubular structure

Aloke Finn
Gathersburg, USA

COFFEE BREAK

5pm

SESSION 7

Predict

5:30pm

Jean-Noël Albertini
Saint-Etienne, France | Predisurge, the behavior of the implanted material

Francesco Migliavacca
Milan, Italy | Allstent, the behavior of the implanted material

Mihai Mitrea
Evry, France | Basics on AI for physicians. Limits

Kak Khee Yeung
Amsterdam, The Netherlands | Fields of clinical relevance of AI in vascular surgery

SESSION 8

Patient safety

6:25pm

Jon Boyle
Cambridge, UK | Last 2 years material surveillance news

Anne Lejay
Strasbourg, France

Bruno Py
Nancy, France | Who owns a medical device : implant, implanted and explanted

Caresyntax | The Caresyntax technology

Jean Bismuth
Tampa, USA | The Apella technology

DAY 2

SATURDAY

ACCUEIL

7:15^{am}

SESSION 9

Veins pathologies

8:15^{am}

Peter Gloviczki | Unmet needs in vascular pathologies. What failed in the past? What about venous reendothelialization?
Rochester, USA

Aloke Finn | Venous remodeling post thrombosis / stenting / mechanical thrombectomy
Gathersburg, USA

Prakash Saha | In the absence of pathophysiology, what does imaging offer in thrombosis aging
London, UK

Giorgio Cattaneo | Hydrogel vs fibers for vascular tissue engineering
Stuttgart, Germany

SESSION 10

Veins and stents

9:15^{am}

Peter Gloviczki | Superior vena cava syndrome : treatment and stenting
Rochester, USA

Christopher Cheng | Fatigue evaluation of venous stents
Stanford, USA

Petra Mella | Additive manufacturing of vascular grafts : tunable compliance by design of multiscale fiber architectures

Baris Ata Ozdemir | EVeR the new european venous register
Bristol, UK

Malachi Sheehan | Future Venous thrombectomy : social media or clinical responsibility
New-Orleans, USA

SESSION 11

Guidewires and catheters still play a role

10:35^{am}

Mohamed Zayed
Washington, USA

Aimée Sakes
Delft, The Netherlands

PAUSE SALÉE

11:35^{am}

SESSION 12

Navigation and robotics 1

12:20^{pm}

Jurgen Fütterer | Current state of MRI-guided endovascular arterial interventions : Systematic review of preclinical and clinical Studies
Nijmegen, The Netherlands

Frédéric Cochenec | Fiber Optic Real Shape (FORS) technology
Paris, France

Muhamad Saqib | Artificial intelligence : revolutionizing robotic surgery
Peshawar, Pakistan

Philippe Bencteux | Robocath technology
Rouen, France

TBC | Microbot Liberty

SESSION 13

Navigation and robotics 2

12:55^{pm}

Tobias Penzhoffer | Electromagnetically navigated in situ fenestration of aortic stent grafts : pilot animal study of a novel fenestrated EVAR approach.
Berlin, Germany

Raul Devia Rodriguez | The effect of endovascular treatment on the arterial wall
Groningen, The Netherlands

Cunnan Liang | Modelling experimental study of the intervention forces between the guidewire and blood vessels
Hong-Kong, China

Lennart Karstensen | Recurrent neural networks for generalization towards the vessel geometry in autonomous endovascular guidewire navigation in the aortic arch
Manheim, Germany

FARWELL AND AWARDS CEREMONY

14:45^{pm}

ADJOURNMENTS

15:15^{pm}