

# SYMPOSIUM

## DAY 1

## 16.05.2025

### RECEPTION

#### SESSION 1 8:15am

##### Occluded aorto-iliac bifurcation 1

###### Chairmen

Jean-Paul De Vries - Groningen, The Netherlands  
(Manuel Miralles)  
Michele Antonello - Padova, Italie

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

###### Alin Totorean

Timisoara, Romania

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

###### Jin Hyun Joh

Seoul, Korea

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

###### Adam Szonyi

Budapest, Hungary

Aorto-iliac calcifications characterizations

###### Anna Fornasari

Strasbourg, France

Comparison of the haemodynamic performance of various treatment options for aorto-iliac occlusive disease

###### Nikolaos Kontopodis

Héraklion, Crète

**Take Home Message** Jean-Paul De Vries - Groningen, The Netherlands

#### Discussion

#### SESSION 2 9:15am

##### Occluded aorto-iliac bifurcation 2

###### Chairmen

Sebastian Debus - Hamburg, Germany  
Alin Totorean - Timisoara, Romania  
BD Engineer

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

###### Sandro Lepidi

Trieste, Italy

Endovascular technologies calcified aorto-iliac occlusions

###### Michele Antonello

Padova, Italy

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

###### Athanasios Saratzis

Leicester, UK

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

###### Yves Alimi

Marseille, France

Laparoscopic and robotic technologies for aorto-iliac occlusive disease

###### Sajid Kazmi

Oslo, Norway

###### Fabien Thaveau

Clermont-Ferrand, France

**Take Home Message** Sebastian Debus - Hamburg, Germany

#### Discussion

# SYMPOSIUM

## DAY 1

16.05.2025

### COFFEE BREAK 10:30am

#### SESSION 3 11am

Branches, windows and Co 1

##### Chairmen

Francesco Migliavacca - Milan, Italy  
Terumo Engineer  
Andrea Kahlberg - Milan, Italy

Fenestrated and branched endografts for partial and total endovascular repair of the aortic arch

Aortic motion in areas of connection ?

The main requirements for a branch in the arch

Three-Dimensional geometric analysis of bridging stents in fenestrated endovascular aortic repair

Bridging stents must be flexible but also crush resistance

Bridging stents must be crush resistance but also flexible

Uteeva Purity membrane for cardiovascular applications

From the flash inspiration to the final device

**Take Home Message** Francesco Migliavacca - Milan, Italy

#### Discussion

#### Mauro Gargiulo

Bologne, Italy

#### Jason Lee

Stanford, USA

#### Gore Engineer

#### Jean-Paul de Vries

Groningen, The Netherlands

#### Gore Engineer

#### Becton-Dickinson Engineer

#### Eline Verstegen

Geleen, The Netherlands

#### Florent Budillon

Pforzheim, Germany

#### LUNCH 1pm

Churchill room

A European think tank on reappraisal of open surgery technologies

#### Sebastien Debus

Hamburg, Germany

# SYMPOSIUM

## DAY 1

## 16.05.2025

### SESSION 4 2:30pm

Branches, windows and other business

#### Chairmen

Jason Lee - Stanford, USA

Gore Engineer

Nabil Chakfé - Strasbourg, France

Physicians-modified endografts, the good, the bad and ugly

How physicians-modified endografts are built in the real life : a literature review and survey

Textile mechanics and degradation prediction

Industry research and choices for endografts textile fabrics

Designs and components does matter

Which factors to take into account for an optimal custom-made fenestration

**Take Home Message** Jason Lee - Stanford, USA

**Discussion**

**Dean Arnaoutakis**

Tampa, USA

**Sébastien Deglise**

Lausanne, Switzerland

**Frédéric Heim**

Mulhouse, France

**Olivier Lefranc & Job van Helvoirt**

Maastricht, The Netherlands

**Jeremy Jayet**

Paris, France

**Terumo aortic Engineer**

### SESSION 5 3:30pm

Veins pathologies and stents

#### Chairmen

Jean Bismuth - Tampa, USA

Olivier Hartung - Marseille, France

Christopher Cheng - Stanford, USA

Unmet needs in vascular pathologies. What failed in the past ? What about venous reendothelialization ?

Venous remodelling post thrombosis, stenting, mechanical thrombectomy

In the absence of pathophysiology, what does imaging offer in thrombosis aging

Future in venous thrombectomy

Hydrogel vs fibers for vascular tissue engineering

**Take Home Message** Jean Bismuth - Tampa, USA

**Discussion**

**Peter Gloviczki**

Rochester, USA

**Aloke Finn**

Gathersburg, USA

**Prakash Saha**

London, UK

**Malachi Sheehan**

New-Orleans, USA

**Giorgio Cattaneo**

Stuttgart, Germany

# SYMPOSIUM

## DAY 1

## 16.05.2025

### COFFEE BREAK 4:30pm

#### SESSION 6 5pm

##### Veins and stents

###### Chairmen

Jos Van Der Berg - Lugano, Switzerland

Peter Gloviczki - Rochester, USA

Fabien Thaveau - Clermont-Ferrand, France

Superior vena cava syndrome : treatment and stenting

Review of past and existing venous stents

Fatigue evaluation of venous stents

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

EveR the new european venous register

**Take Home Message** Peter Gloviczki - Rochester, USA

##### Discussion

###### Peter Gloviczki

Rochester, USA

###### Olivier Hartung

Marseille, France

###### Christopher Cheng

Stanford, USA

###### Petra Mela

Munich, Germany

###### Baris Ata Ozdemir

Bristol, UK

#### SESSION 7 6pm

##### Predict

###### Chairmen

Mihai Mitrea - Ivry, France

Jon Boyle - Cambridge, UK

Last 2 years material surveillance news

Predisurge, the behavior of the implanted material

Allstent, the behavior of the implanted material

Fields of clinical relevance of AI in vascular surgery

**Take Home Message** Jon Boyle - Cambridge, UK

##### Discussion

###### Jon Boyle & Anne Lejay

Cambridge, UK & Strasbourg, France

###### Jean-Noël Albertini

Saint-Etienne, France

###### Francesco Migliavacca

Milan, Italy

###### Kak Khee Yeung

Amsterdam, The Netherlands

## ADJOURNMENT

# SYMPOSIUM

## DAY 2

## 17.05.2025

### RECEPTION 7:15am

### SESSION 8 8:15am

#### Peripheral

#### Chairmen

Aloke Finn - Gathersburg, USA

BD Engineer

Raphaël Coscas - Paris, France

Manufacturing and validation of small-diameter vascular grafts

Sirolimus ? Paclitaxel ?

A comprehensive review for peripheral intervention

Hybrid bioprinting and electrospinning technique for the fabrication of vascular grafts

Biodegradable metal implants for vascular applications

Overview of current clinical data of resorbable scaffolds

E-spinning of bioactive micro-tubular structure

Bioengineering for peripheral arterial diseases: From nanosystems for vascular drug delivery to bioactive small-diameter vascular prostheses

**Take Home Message** Aloke Finn - Gathersburg, USA

#### Discussion

#### Emilio Alarcon

Ottawa, Canada

#### Adrien Hertault

Valencienne, France

#### Norbert Radacsi

Edinburgh, UK

#### Franck Witte

Germany

#### Jos van den Berg

Lugano, Switzerland

#### Stefan Jockenhoevel

Aachen, Germany

#### Pier Francesco Ferrari

Genoa, Italy

### SESSION 9 9:30am

#### Navigation and robotics

#### Chairmen

Prakash Saha - London, UK

Lennart Kartensen - Mannheim, Germany

Mechanical assessment of guidewires mechanical properties

Crossing Total Occlusions technologies

Current state of MRI-guided endovascular arterial interventions : systematic review of preclinical and clinical studies

Robocath technology

**Take Home Message** Prakash Saha - London, UK

#### Discussion

#### Mohamed Zayed

Washington, USA

#### Aimée Sakes

Delft, The Netherlands

#### Jurgen Fütterer

Nijmegen, The Netherlands

#### Philippe Bencteux

Rouen, France

# SYMPOSIUM

## DAY 2

17.05.2025

**BREAK** 10:30am

### SESSION 10 11am

Navigation and robotics 2

#### Chairmen

Kak Khee Yeung - Amsterdam, The Netherlands

Arindam Chaudhuri - Bedfordshire, UK

Electromagnetically navigated in situ fenestration of aortic stent grafts : pilot animal study of a novel fenestrated EVAR approach

**Tobias Penzhoffer**

Berlin, Germany

The effect of endovascular treatment on the arterial wall

**Raul Devia Rodriguez**

Groningen, The Netherlands

Recurrent neural networks for generalization towards the vessel geometry in autonomous endovascular guidewire navigation in the aortic arch

**Lennart Kartensen**

Manheim, Germany

Robotic guided ultrasounds

**Mark Preuss**

Hamburg, Germany

**Take Home Message**

**Discussion**

**FARWELL & CEREMONY AWARDS** 1pm

**ADJOURNMENT** 2pm