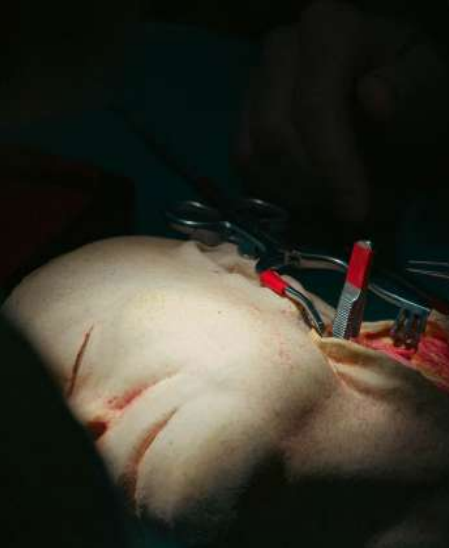


EUROPEAN SYMPOSIUM ON VASCULAR BIOMATERIALS



14 - 17.05.2025



VASCULAR BOOTCAMP



14 - 15
05 . 202 5

14th edition
Strasbourg,
France

THE MEDICAL DEVICE HUB
GEPROMED
FOR PATIENT SAFETY

OBJECTIVES

- 1 Explain the role of simulation in vascular surgery
- 2 Plan surgical procedure (sizing)
- 3 Handle medical devices
- 4 Simulate vascular and endovascular surgery procedures
- 5 Practice suturing techniques (anastomosis, patch or clockface)
- 6 Developing teamwork performance through communication



OUR EDUCATION TEAM

Pr. Nabil CHAKFÉ
Dr. Vincenzo VENTO
Mrs Cassandre AYMARD
Mrs Annik BORCOS
Mrs Louanne BOURDON
Mrs Wissal LACHEGUR
Dr. Nicole NEUMANN
Mr. Dominique STEIMER

TEACHING METHODS

- Presentation of the role of simulation
- Sharing case studies
- Practical workshops on endovascular simulators
- Practical suture workshops
- Practical sizing workshops
- Practical workshop (serious game) on teamwork and communication

ASSESSMENT PROCEDURE







- Initial and final surveys
- Endovascular surgery assessment grid
- Suture assessment grid (anastomoses, patch or clockface)
- Teamwork and communication assessment grid
- Sizing assessment grid
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PRE-REQUISITE

- Residents in vascular surgery from 1st year

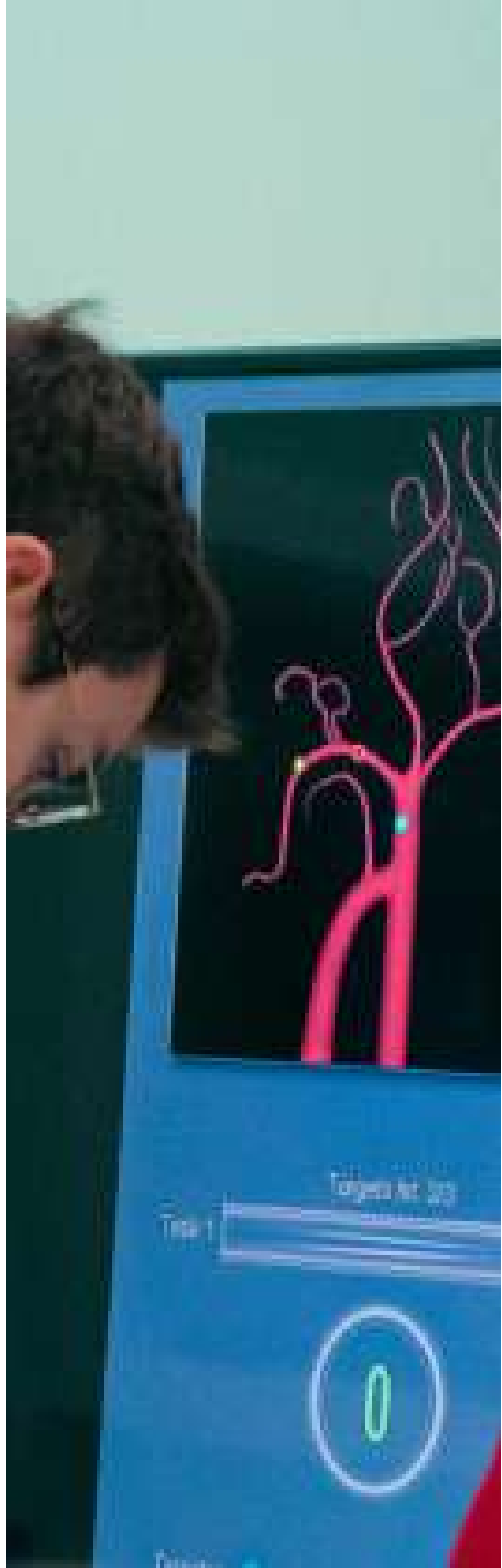
Accessible premises and services adapted for people with disabilities. To take part in the courses, please contact the organisation's disability advisor: education@gepromed.com

PROGRAM — 14.05.25

07:00 07:15		Welcome Gepromed
07:15 08:00		Lectures Gepromed
08:00 08:30		Coffee and change of outfit (for residents)
08:30		Start of practical sessions Gepromed
11:50 12:35		Lunch 1
12:40 13:25		Lunch 2
18:30		End of practical sessions Gepromed
		Wine & Cheese
18:45		Caves historiques des hospices de Strasbourg

PROGRAM — 15.05.25

07:45 08:15		Welcome - Gepromed Coffee and change of outfits (for residents)
08:15 11:50		Practical sessions
12:00		End of vascular bootcamp
13:00		Lunch with young researchers ESVB Palais de la Musique et des Congrès
14:00 17:00		Masterclass
17:00		End of the day



CONTACT

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THE MEDICAL DEVICE HUB
GEPROMED
FOR PATIENT SAFETY

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www.gepromed.com

TRAINEES' PAIRS

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SPONSORS



SUPERVISORS

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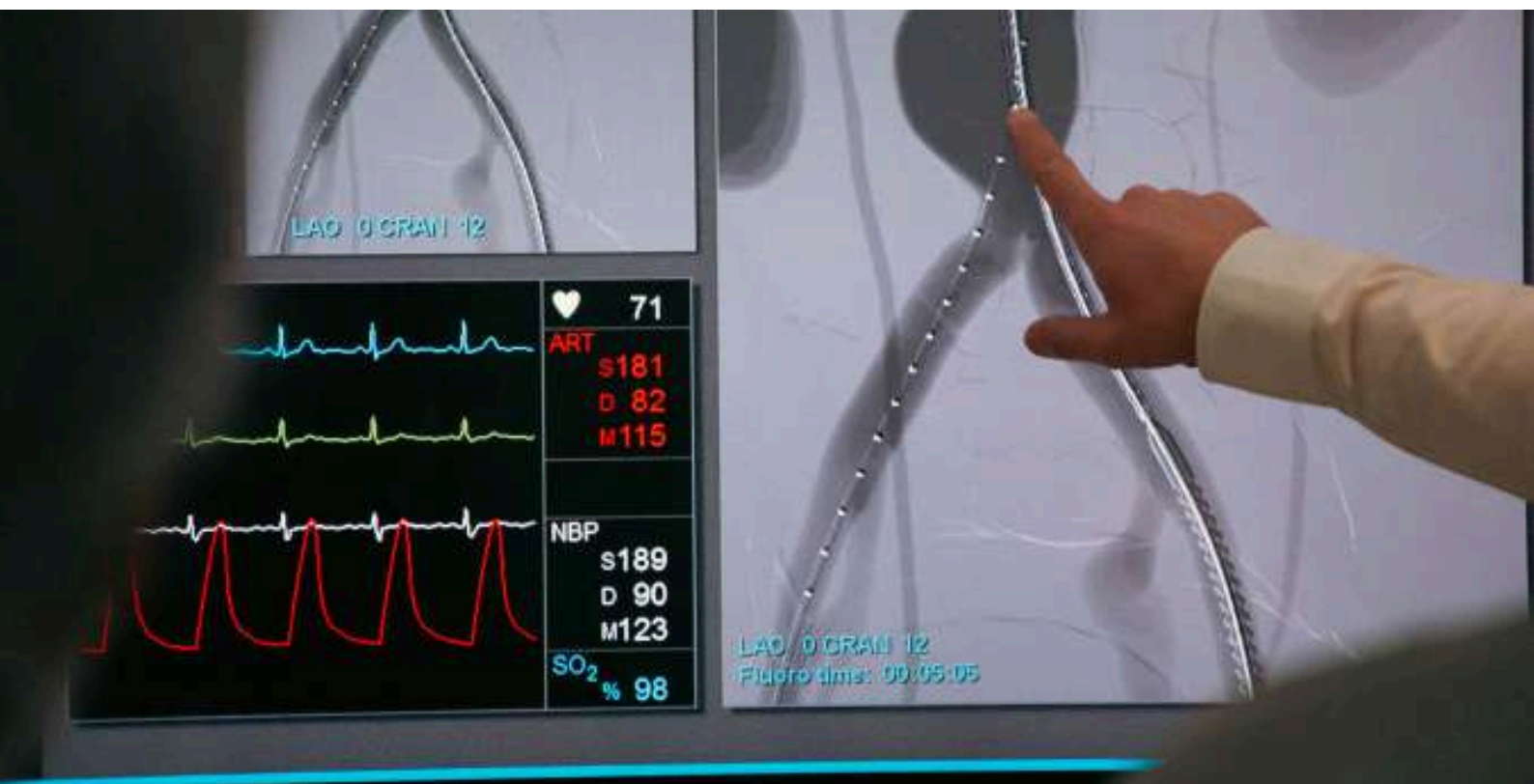
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SYMPOSIUM

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

Padoua, 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

Jacques Chevalier - Lille, 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 Glovicski - 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 Glovicski - Rochester, USA

Discussion

Peter Glovicski

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 - Manheim, 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

FAREWELL & CEREMONY AWARDS 1pm

ADJOURNMENT 2pm