

esvbⁱ **2025**



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



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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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

PRE-REQUISITE

- Residents in vascular surgery from 1st year

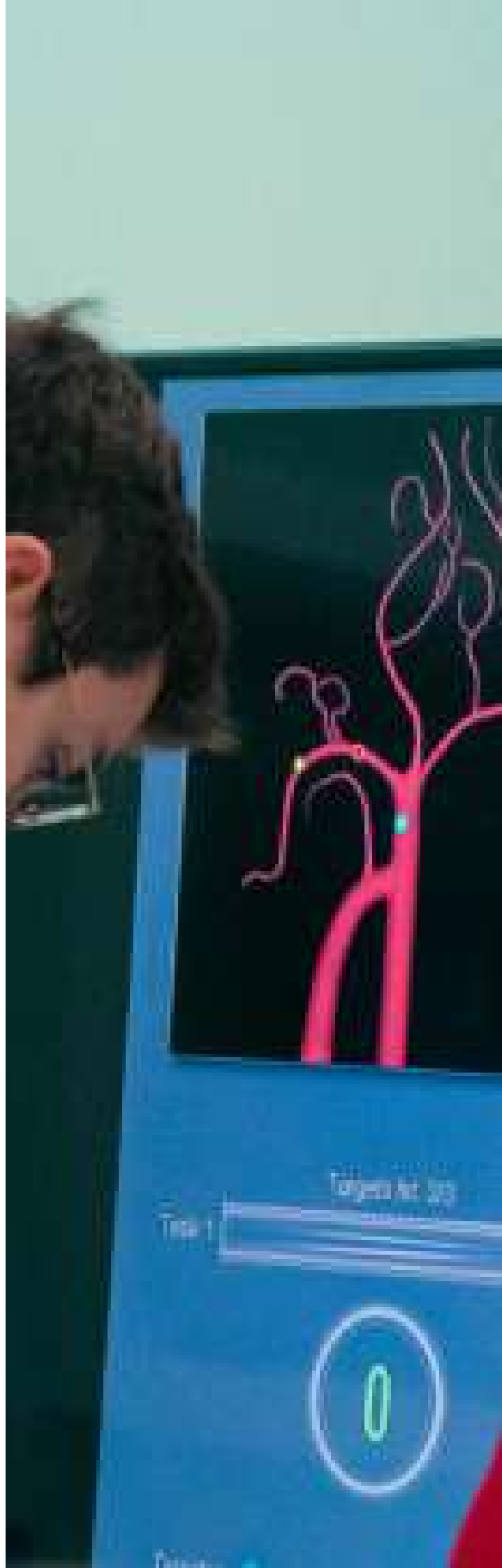
Accessible premises and services adapted for people with disabilities. To take part in the courses, please contact the organisation's disability advisor: education@gepromed.com

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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www.gepromed.com

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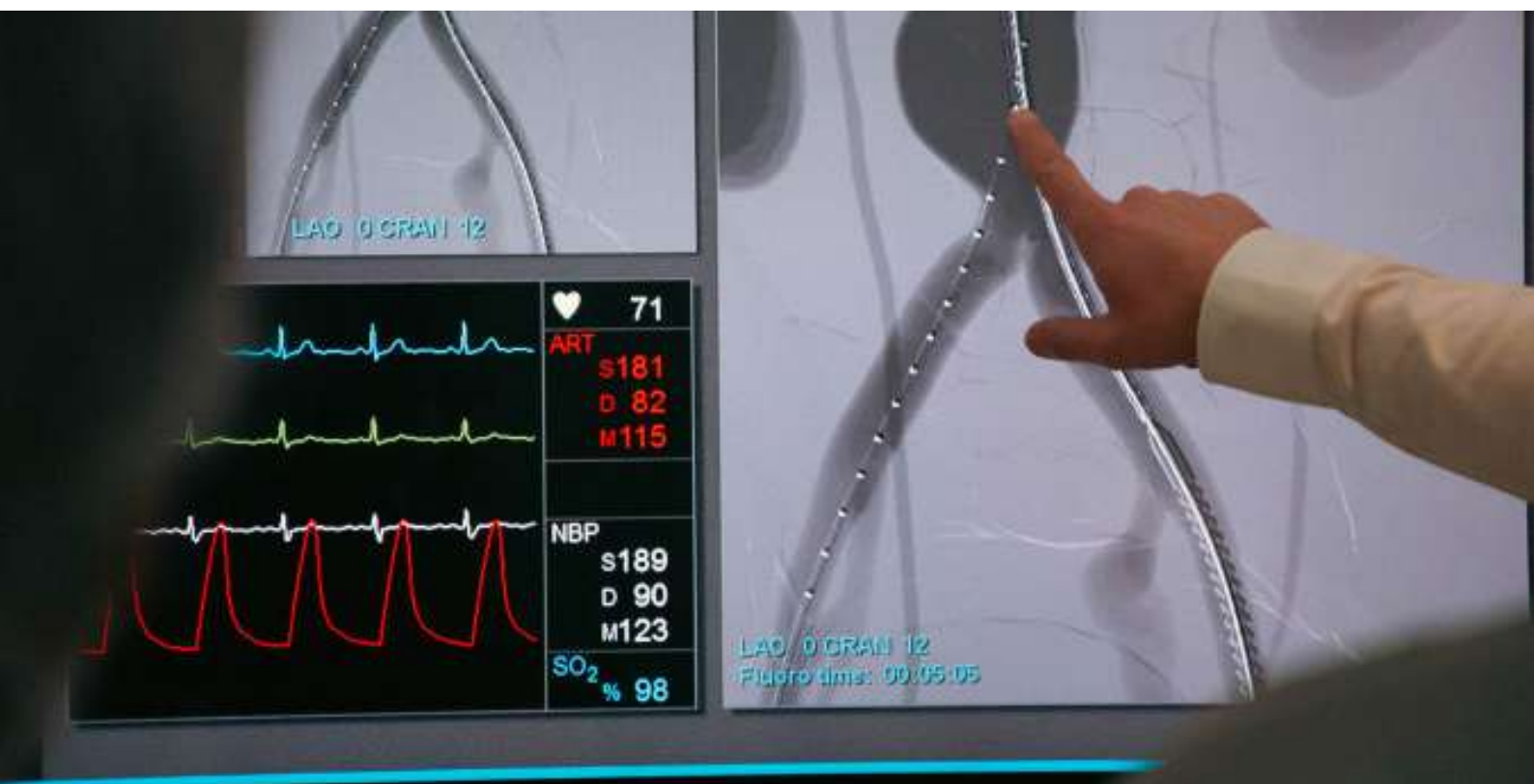
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TRANSLATIONAL RESEARCHER DAY

15.05.2025

RECEPTION 8:30am

INTRODUCTION 8:45am

SESSION 1 9:00am

Melt electrowriting for cardiovascular applications

Petra Mela
Munich, Germany **9:30am**

Presentations

AHRENS	Christina
ALMEIDA	Ana Catarina
ARCUTI	Dario
BARATI	Sara
BERENS	Pauline
BONDESSON	Johan
CETATOIU	Maria
BARKI	Darshan
CISSE	Soumaila
DANZIG	Jakub

Global question session

BREAK 10:30am

Artificial Intelligence in cardiovascular research: promises and potential pitfalls

Luca Mainardi
Milan, Italy **11:00am**

Presentations

DE CAMPO	Giulia
EL MAACHI	Ikram
FEREYDOONI	Arash
FISCHER	Andrea
FOGER	Nicole
GIRAULT	Elise
HENDRICKS	Chf
HRUDICKOVA	Eva
JOHN	Gwenael
KITAGISHI	Arisa
MANSI	Salma

Global question session

TRANSLATIONAL RESEARCHER DAY

15.05.2025

LUNCH 1pm

Doppler implantation towards distancial flow measurements

Jean Bismuth
Tampa, USA

2pm

Presentations

MANGIN	Pierre
MCLOUGHIN	Kiran John
PELLLEGRINO	Amanda Rose
PEREIRA	Andreia
PERELLI	Elisa
RAHMAN	Tasnuva
RAMELLA	Anna
ROCHA	Sofia
SCHAFER	Jenny
VAKHITOV	Damir

Global question session

BREAK 3:30pm

Liquid-core fibers for medical applications

Edith Perret
Lausanne, Switzerland

4pm

Presentations

WISNIEWSKI	Nathan
ZANKER	Annika
MORSCHER	Tobias
GARHIANI	Zied
ASSAD	Abdul Rahman
KACEM	Tesnim
MADUDA	Dominik
BENDEGUZ	Nagy
BRAIG	Johannes
IVALDO	Catarina
ESPINEL	Yamid

Global question session

CLOSING REMARKS 5:30pm

SYMPOSIUM

DAY 1

16.05.2025

RECEPTION 7:15am

SESSION 1 8:00am

Occluded aorto-iliac bifurcation 1

Chairmen

Jean-Paul De Vries - Groningen, The Netherlands
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 9:25am

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

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

Yves Alimi

Marseille, France

Laparoscopic technologies for aorto-iliac occlusive disease

Sajid Kazmi

Oslo, Norway

Robotic technologies for aorto-iliac occlusive disease

Fabien Thaveau

Clermont-Ferrand, France

Take Home Message Sebastian Debus - Hamburg, Germany

Discussion

SYMPOSIUM

DAY 1

16.05.2025

COFFEE BREAK 10:15am

SESSION 3 11am

Branches, windows and Co 1

Chairmen

Francesco Migliavacca - Milan, Italy
Craig Docherty - Paisley, Scotland
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

Iliac stents must be flexible but also crush resistance

Bridging stents must be crush resistance but also flexible

Ulteeva Purity™ membrane for vascular applications - enabling new opportunities

From the flash inspiration to the final device

Take Home Message Francesco Migliavacca - Milan, Italy

Discussion

LUNCH 12:45pm

Churchill room

A European think tank on reappraisal of open surgery technologies

Smart materials for vascular surgery

Robot assisted Aortic Surgery: what is possible?

Ultrasound guided vascular interventions: the ROBOS project

New sutureless devices

What can we learn from laparoscopy for modern vascular surgery?

Out of the box: new training models for the vascular surgeon

Mauro Gargiulo
Bologne, Italy

Jason Lee
Stanford, USA

Merrill Birdno
Arizona, USA

Jean-Paul de Vries
Groningen, The Netherlands

Jacob Garland
Arizona, USA

Becton-Dickinson Engineer

Cheng Wei
Geleen, The Netherlands

Florent Budillon
Pforzheim, Germany

Sebastien Debus
Hamburg, Germany

Rouven Berndt
Kiel, Germany

Fabien Thaveau
Clermont-Ferrand, France

Mark Preuss
Hamburg, Germany

Yves Alimi
Marseille, France

Sajid Kazmi
Oslo, Norway

Nabil Chakfé
Strasbourg, France

SYMPOSIUM

DAY 1

16.05.2025

SESSION 4 2:15pm

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

Craig Docherty

Paisley, Scotland

SESSION 5 3:25pm

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 4:25pm

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

Development of biodegradable polymeric blood vessels and stents

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

Xiumei Mo

Shanghai, Chine

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 6:30pm

SYMPOSIUM

DAY 2

17.05.2025

RECEPTION 7:15am

SESSION 8 8:30am

Peripheral

Chairmen

Aloke Finn - Gathersburg, USA

BD Engineer

Raphaël Coscas - Paris, France

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

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

Manufacturing and validation of small-diameter vascular grafts

Take Home Message Aloke Finn - Gathersburg, USA

Discussion

Petra Mela

Munich, Germany

Adrien Hertault

Valencienne, France

Norbert Radacsi

Edinburgh, UK

Okechukwu Anopuo

Warnemunde, Germany

Jos van den Berg

Lugano, Switzerland

Stefan Jockenhoevel

Aachen, Germany

Pier Francesco Ferrari

Genoa, Italy

Emilio Alarcon

Ottawa, Canada

BREAK 10am

SYMPOSIUM

DAY 2

17.05.2025

SESSION 9 10:30am

Navigation and robotics

Chairmen

Kak Khee Yeung - Amsterdam, The Netherlands

Arindam Chaudhuri - Bedfordshire, UK

Lennart Kartensen - Mannheim, Germany

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

Mannheim, Germany

Robotic guided ultrasounds

Mark Preuss

Hamburg, Germany

Mechanical assessment of guidewires mechanical properties

Mohamed Zayed

St Louis, USA

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

Jurgen Fütterer

Nijmegen, The Netherlands

Robocath technology

Philippe Bencteux

Rouen, France

Take Home Message Arindam Chaudhuri - Bedfordshire, UK

Discussion

FAREWELL & CEREMONY AWARDS 12pm

OPEN ROUND TABLE 12:30pm

ADJOURNMENT 1:30pm