

AHED - Advanced Health Education
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 / MEDICAL PRACTICES
TECHNICAL CHALLENGES

VASCULAR / ADVANCED ENDOVASCULAR INTERVENTION COURSE

21- M5 2ND EDITION



Advanced
Health
Education

by NOVA Medical School

VASCULAR / ADVANCED ENDOVASCULAR INTERVENTION COURSE

20-M5

COURSE COORDINATOR >> Frederico Bastos Gonçalves, MD, PhD

COURSE PRESENTATION

Endovascular treatment of vascular and non-vascular diseases has rapidly grown due to scientific and technological advancements in several fields of Medicine. Different medical specialties make use of endovascular methods for diagnosis and therapeutics. The objective of this advanced endovascular course is to improve the tools and skills of endovascular physicians, allowing them to become innovation leaders in their institutions and provide state-of-the-art care for patients.

The course is designed to provide comprehensive theoretical knowledge and hands-on simulation training of advanced endovascular techniques in a multidisciplinary format. The focus is on device selection, technical skills and troubleshooting rather than on pathologies.

Participants are exposed to novel and inter-disciplinary concepts of endovascular therapies, helping them to think “outside the box”, expanding horizons. Using simulators, participants may also obtain hands-on understanding of different endovascular techniques and become familiar with novel devices and treatment strategies.

Due to the transversal characteristics of the course program, specialists in different areas may apply the acquired knowledge directly into their daily practice, regardless of the type of pathology in which they are usually involved.

LEARNING OBJECTIVES >> KNOWLEDGE AND SKILLS TO DEVELOP

- 1 Optimize vascular access for endovascular procedures: image guided puncture, closure devices, handling complications**
- 2 Manage complex vascular navigation**
- 3 Learn different vascular embolization techniques**
- 4 Understand the applications and techniques of thromboaspiration**
- 5 Contact with the most recent and cutting-edge endovascular devices**
- 6 Obtain practical knowledge on intravascular physiological assessment and imaging**

TARGET AUDIENCE

Intermediate to advanced level specialists and residents with prior endovascular experience in the fields of interventional neuroradiology, interventional cardiology, interventional radiology, interventional nephrology, cardiac surgery and angiology and vascular surgery

ATTENDANCE REQUIREMENTS

80% attendance is mandatory for issuing attendance certificate and CME credits and/or ECTS

ADMISSION CRITERIA

- >> Academic background in the mentioned specialties
- >> CV with proof of specialization/course enrolment in the mentioned specialties and motivation letter

MAX. ATTENDEES

- >> 20

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AGENDA

2021 / DECEMBER

DEC 1ST

8:30 am - 6:30 pm

@ Nova Medical School (Campo de Santana)
and NOVA MedSIM

MORNING

- > Course overview and expectations
- > Vascular access
 - Topics covered:
 - > Arterial vascular access routes – femoral, radial, ulnar, axillar, carotid, iliac, trans-caval, retrograde punctures and exoconduits/endoconduits.
 - > Venous access routes – popliteal, saphenous, femoral and ulnar.
 - > Percutaneous access techniques – palpation, ultrasound-guided puncture and fluoro-guided puncture.
 - > Vascular closure devices and their mechanisms of action.
 - > Access related complications – rupture, dissection, thrombosis and device failure.
- > Vascular access case discussion
 - Topics covered:
 - > Assessing the quality of access vessels
 - > Choice of closure device
 - > Complex access
 - > Troubleshooting
- > Advanced endovascular navigation
 - Topics covered:
 - > Endovascular materials for complex navigation
 - > Planning the access route for complex cases
 - > Advanced navigation techniques
- > Advanced endovascular navigation case discussion
 - Topics covered:
 - > Planning
 - > Choice of materials
 - > Navigation with no support
 - > Navigation in small calibre vessels.
- > The “magic” session 1

AFTERNOON

- > Hands-on training

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AGENDA

2021 / DECEMBER

DEC 2ND

8:30 am - 6:30 pm

@ Nova Medical School (Campo de Santana)
and NOVA MedSIM

MORNING

> Vascular Embolization

Topics covered:

- > Embolization techniques
- > Concepts of tumoral embolization
- > Concepts of arterial and venous embolization
- > Choice of different embolization devices

> Vascular embolization case discussion

Topics covered:

- > Great vessel embolization
- > Embolization for bleeding
- > Tumoral embolization
- > Aneurysm embolization
- > Vascular anomaly embolization

> Multidisciplinary revision of endovascular devices

Topics covered:

- > Navigation devices
- > Angioplasty devices
- > Devices for endovascular repair of aneurysms and dissections
- > Embolization and thrombus-aspiration devices

> The “magic” session 2

AFTERNOON

> Hands-on training

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AGENDA

2021 / DECEMBER

DEC 3RD

8:30 am - 6:30 pm

@ Nova Medical School (Campo de Santana)
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MORNING

- > Functional assessment and intravascular imaging
 - Topics covered:
 - > Angiographic optimization
 - > Intravascular ultrasound
 - > Intravascular optical coherence tomography
 - > Functional assessment and intravascular imaging case discussion
 - Topics covered:
 - > Imaging atherosclerotic lesions
 - > Quality control
 - > Image-guided re-entry devices
 - > Thrombus aspiration
 - Topics covered:
 - > Concepts of embolisation.
 - > Mechanical thrombus-aspiration and thrombus-aspiration devices.
 - > Methods of embolic protection.
 - > Thrombus aspiration case discussion
 - Topics covered:
 - > Thrombus-aspiration in the context of acute limb ischaemia.
 - > Thrombus-aspiration during vascular procedures.
 - > Thrombus-aspiration of intra-cranial vessels.
 - > The "magic" session 3

AFTERNOON

- > Hands-on training
- > Adjournment and evaluation

HANDS-ON TRAINING WORKSHOPS:

- > Ecoguided Puncture
- > Small bore closure devices
- > Large bore closure devices
- > Difficult access (simulators)
- > OCT
- > IVUS
- > TAVI simulator
- > EVAR/TEVAR simulator
- > Atherectomy Simulator
- > Embolization simulator
- > Thrombus aspiration simulator

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FACULTY

- > António Fiarresga, MD, PhD
- > Frederico Bastos Gonçalves, MD, PhD
- > Isabel Fragata, MD, PHD
- > Tiago Bilhim, MD, PhD
- > Gonçalo Alves, MD

CREDITS >> 1.5 ECTS

DURATION >> 24 HOURS

This event is compliant with the MedTech Europe Code of Ethical Business Practice



PRICE >> 1.850 €

INCLUSIONS AND EXCLUSIONS IN PRICE

The price published for each course includes teaching fees, space rental, certificate of attendance, and materials used during the course. The price of the course doesn't include hotel accommodation, lunches, and dinners on course days, nor any other items unless specifically mentioned. Prices of courses published by AHED are exempted of VAT. Other items priced by AHED apart from courses may however include VAT.

APPLICATION, ADMISSION AND REGISTRATION

When applying for a course at AHED – Advanced Health Education, the applicant subjects personal and professional data that will be verified and assessed to check that admission criteria for that specific program are met. Once an application is approved, registration in the course is admitted and will require payment of the price published for the course.

APPLICATION FEES

Application fees are as follows:

- 100 € for courses priced above 1000 €
 - 50 € for courses priced below equal to 1000 €
- Application fees are non-refundable.

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COURSE REGISTRATION FEES

The registration stage is considered completed when the total price of the course is received by AHED.

PAYMENT OPTIONS

Payment options for application and registration include credit card (Visa, MasterCard), wire transfer in Euro, and Multibanco.

EARLY BIRD

Application fees will be discounted from the course price for registrations completed 90 calendar days before the date of the course.

For additional information, please go to in Terms and Conditions at ahed.pt

APPLICATION DEADLINE >> NOVEMBER 27TH 2021

INSTITUTIONAL PARTNERSHIPS



INDUSTRY PARTNERSHIPS

PHILIPS

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