

AHED - Advanced Health Education
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 / MEDICAL PRACTICES
TECHNICAL CHALLENGES

VASCULAR

ADVANCED ENDOVASCULAR
INTERVENTION COURSE

23-M05

4th Edition



Advanced
Health
Education

by NOVA Medical School

VASCULAR / ADVANCED ENDOVASCULAR INTERVENTION COURSE

23-M05

4th Edition

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*

- >> **Optimize vascular access for endovascular procedures: image-guided puncture, closure devices, handling complications**
- >> **Manage complex vascular navigation**
- >> **Learn different vascular embolization techniques**
- >> **Understand the applications and techniques of thromboaspiration**
- >> **Contact with the most recent and cutting-edge endovascular devices**
- >> **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

ADMISSION CRITERIA

- >> CV

ATTENDANCE REQUIREMENTS

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

MAX. ATTENDEES

- >> 20

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AGENDA

2023 / JUNE

JUN 28th

8:30 am – 6:30 pm

@ CUF Tejo Hospital

MORNING SESSION

>> Course overview and expectations

>> Vascular Access

Topics covered:

- > Arterial vascular access routes – femoral, radial, umeral, axillar, carotid, iliac, transcaval, retrograde punctures and exoconduits/ endoconduits.
- > Venous access routes – popliteal, saphenous, femoral and umeral
- > 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 SESSION

>> Simulation workshops

Hands-on training

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AGENDA

2023 / JUNE

JUN 29th

8:30 am – 6:30 pm

@ CUF Tejo Hospital

MORNING SESSION

>> 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 SESSION

>> Simulation workshops

Hands-on training

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AGENDA

2023 / JUNE

JUN 30th

8:30 am – 6:30 pm

@ CUF Tejo Hospital

MORNING SESSION

>> 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 SESSION

>> Simulation workshops

Hands-on training

>> Adjournment and evaluation

HANDS-ON TRAINING WORKSHOPS:

- > Eco-guided 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
- >> Gonçalo Alves, MD
- >> Isabel Fragata, MD, PhD
- >> Tiago Bilhim, MD, PhD

CREDITS >> 1,5 ECTS

DURATION >> 24 HOURS

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.

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 >> JUNE 21st 2023

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INSTITUTIONAL PARTNERSHIPS >>

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