



ULTRASOUND IN HEMODIALYSIS

ADVANCED TRAINING



NIPRO

*i*MEP
MECHELEN-BELGIUM



Become an echography expert with a deeper knowledge of ultrasound settings as you learn to assess AV-Fistula maturation, cannulate difficult AV-Fistulas, and discover complications using ultrasound.

While ultrasound is used in many applications, it is an especially effective tool in verifying the maturation status and ongoing condition of a patient's vascular access. Routine monitoring using echography is a means to predict possible complications and detect issues early on (e.g. stenosis, thrombosis).

In addition to ultrasound's use in monitoring an AV-Fistula, it is especially helpful when cannulating under difficult circumstances: small diameter (<5 mm), deep placement (>5 mm), or difficult pathway (not straight, hard vessel walls, impossible to feel, etc.).

This advanced training focuses on the knowledge and skills required to use an ultrasound device in different AV-Fistula situations.

We practice what we preach!

During the training, you will be able to put theory into practice and work on your knowledge and skills by training on realistic artificial arms at various stations. We will bear in mind each participant's level of experience. The chronological transition of the training ensures that the knowledge acquired can be immediately put into practice.

Meet our experts!



Niel Grumiaux
(Education Solutions Specialist)



Roland Van Dam
(Education Solutions Specialist)



Prof. Jan Tordoir
(Vascular Surgeon)

Program content

- Principles of ultrasound, echo waves, and the creation of an image (theory)
- All B-mode settings to create a clear image (theory and practice)
- Performing ultrasound-guided cannulation on an advanced-level AV-Fistula (practice)
- Principles of the doppler effect (theory)
- All color doppler settings to create a clear image (theory and practice)
- Assessing AV-Fistula maturation (theory and practice)
- Detecting AV-Fistula complications using ultrasound (theory and practice)
- Pre- and post-learning by provided online tools

What will you gain?

You will know...

- the principles of ultrasound
- the principles of the doppler effect

You will be able to...

- create a clear image using all four ultrasound settings
- create a clear doppler image
- assess AV-Fistula maturation and refer to a doctor when needed
- detect and recognize AV-Fistula complications

Who should attend?

- Experienced dialysis nurses:
 - With more than three years of work experience
 - Who want to develop and enhance their cognitive, technical, and non-technical skills to an advanced level for leading a nursing team
 - Who want to join or establish a vascular access team
- Nurses who have a basic knowledge and practical experience with cannulating an arteriovenous fistula or graft are highly recommended

Additional information

- Use of the iMEP building and its facilities
- Use of coffee, tea, and water facilities
- Education, mentoring, and support by experienced trainer(s)
- Ballpoint pen and notebook
- Reference book – Handbook on ultrasound for vascular access examination: from the specialist to the nurse
- Parking spaces on-site

Duration:

2 hours, including a short break for coffee/tea/water

Fee:

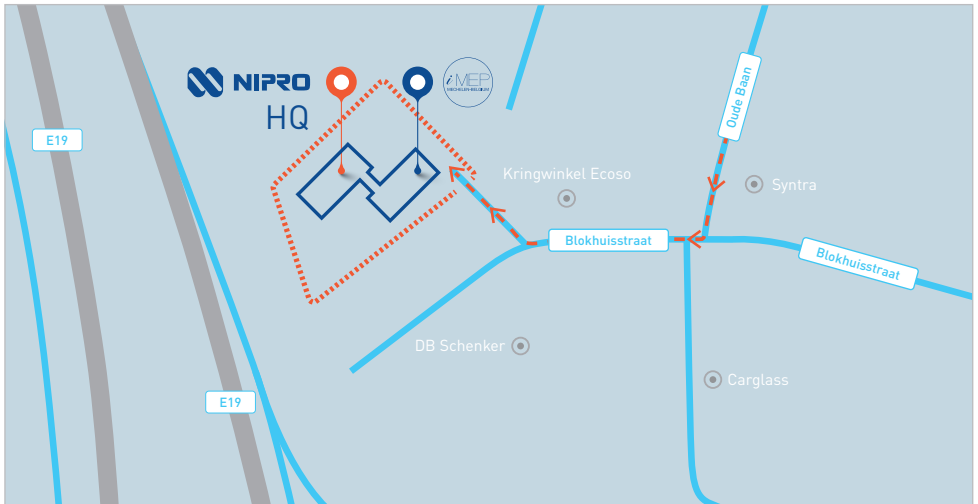
250 €/Person

4-6 Learners

Curious to learn more?

Ready to plan your next training event?

Let us organize a guided tour! imep@nipro-group.com



From Antwerp or Brussels

→ From E19, take exit 9 Mechelen-Noord

From Antwerp: Go straight at the traffic light onto Blarenberglaan

From Brussels: Keep left towards Mechelen Noord and continue through the traffic light. At the next traffic light, turn right onto Blarenberglaan

→ At the roundabout, take the first exit

→ Turn right at the T-junction (Oude Baan)

→ Turn right again at next T-junction (Blokhuisstraat)

→ The Nipro entrance is on the right side at the end of the road

