

Medtronic

Module 1
Sample
Agenda

Ultrasound skills to support venous interventions



Session objectives:

- To enhance the knowledge and skills of venous duplex for the interrogation of both superficial and deep venous disease
- To understand the role of cross-sectional imaging and IVUS users in venous scanning, focusing on best practice care for optimal patient outcomes

Day 1

19:00-21:00	Introduction <ul style="list-style-type: none">• Welcome and housekeeping• Introduction to Venous University• Reviewing the key principles of best-practice care for venous patients (guidance from ESVS)
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Day 2

8:30-09:00	Arrival, coffee and registration
09:00-10:00	Lecture 1 – Duplex for superficial venous disease <ul style="list-style-type: none">• How to perform a superficial venous duplex scan – primary varicose veins• What are the common pitfalls with duplex scanning for superficial venous disease?• What else should you look for when scanning primary varicose veins?• Best-in-class departmental scans
10:00-11:00	Practical session 1 – Back to basics – Understanding ultrasound systems <p>Delegates to rotate around the different US systems to learn from each Faculty member</p> <ul style="list-style-type: none">• What settings are needed for the ultrasound machine – double station• Knobology• Setting up for success, ergonomics• Limitations of US
11:00-11:15	Coffee
11:15-12:30	Practical session 2 – Duplex scanning of superficial varicose veins <ul style="list-style-type: none">• 45 mins – Pulsewave and Doppler how-to – practise on arms• 30 mins – Decision-making and treatment selection group discussion• 15 mins – Scanning recurrent veins group discussion
12:30-13:30	Lunch
13:30-14:15	Lecture 2 – Imaging of deep venous disease <ul style="list-style-type: none">• 15 mins – How I scan for deep venous disease and surveillance following deep venous intervention• 15 mins – Challenges/tips and tricks to optimise the scan• 30 mins each – Cases presented for discussion
14:15-15:00	Practical session 3 – Deep venous scanning <ul style="list-style-type: none">• Differences in acute vs chronic deep disease• Does contrast-enhanced US play a role in investigating venous disease?• Cross-sectional imaging for deep venous disease• What does IVUS tell us?• Best-practice care for optimal outcomes• Case presentation to discuss
15:00-15:15	Coffee
15:15-16:15	Practical session 4 – Using ultrasound for cannulation for venous intervention <p>Delegates to rotate around 4 stations, 15 mins on each</p> <ul style="list-style-type: none">• Where to cannulate and why, setting up for success discussion• Practical skills utilising phantom limbs• Train the trainer – how to teach US cannulation
16:15-16:45	Wash-up session <ul style="list-style-type: none">• Delegate feedback including review of the course objectives• Next steps: What will you do differently from today? What support do you need?• Brief introduction to the objectives of the next Venous University session
16:45	Close

Medtronic

Building 9
Croxley Green Business Park
Watford
WD18
United Kingdom
Tel: +41 (0) 21 802 70 00
Fax: +41 (0) 21 802 79 00

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