

Difficult Vascular Access? Use vessel-locating technology.

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Every emergency department clinician should be confident and competent in assessing the vascular access needs of the acute presentation.

This workshop aims to guide the emergency department nurse through the fundamentals of vascular access assessment in the ED using ultrasound technology. The majority of ED patients who receive ultrasound guided peripheral cannulas are labelled as difficult access patients. We hope to help you identify the difficult patient early and prompt the use of ultrasound-guided insertions and reduce unnecessary repeated attempts.

The educational content blends theoretical vascular access knowledge with you performing simulated peripheral intravenous cannulation (PIVC).

Content

- Introduction to vascular access in the Emergency Department.
- Indications for peripheral intravenous cannulation.

Pre-Insertion:

- Understanding the anatomy and physiology of PIVC.
- Patient assessment.
- The difficult access patient.
- Patient assessment with Ultrasound.
- Preparing your clinical equipment, what you will need
- Simulation of assessment.

Insertion:

- Ultrasound and the aseptic procedure.
- Follow the needle tip, which view?
- Assessing for line patency
- Securement of the device
- Simulation of insertion.

Post-Insertion:

- Documenting the PIVC
- Maintain the cannula and prevent cannula failure
- Aseptic techniques, non-touch techniques or key parts protected?

We look forward to meeting you.