

Peripheral intravenous device selection and insertion by a vascular access specialist for hospital inpatients (The PEER Study).

ACTRN12625000043437

Status	RECRUITING
Sponsor	The Prince Charles Foundation - Common Good Grant
Enrollment	100 participants

Plain Language Summary

Almost every patient admitted to hospital at some point needs a drip — a small plastic tube (peripheral intravenous catheter, or PIVC) inserted into a vein in the arm to deliver fluids, medications, or blood products. These are usually inserted by bedside nurses or doctors as part of their regular duties. However, veins can be difficult to access, and failed attempts can be painful and delay treatment. Vascular access specialists are healthcare workers with extra training specifically in inserting these and other intravenous devices.

The PEER Study is investigating whether having a vascular access specialist assess and select the most appropriate type of intravenous device — and insert it when needed — leads to better outcomes than standard practice. Key outcomes include how long the device lasts, whether complications like infection or blockage occur, and how much pain the patient experiences during insertion.

You may be eligible if you are aged 18 or older, are currently admitted to hospital, and require intravenous therapy expected to last more than 24 hours. You will need to be able to provide written consent. People receiving end-of-life care, those with significant language barriers without interpreter support, those with cognitive impairment that prevents consent, or those who have already participated in this study would not be eligible.

Key Eligibility Criteria

Inclusion (3)

- Greater than or equal to 18 years of age
- Requiring peripherally compatible intravenous therapy for greater than 24 hours
- Informed written consent

Exclusion (5)

- Greater than or equal to 18 years of age
- Receiving end-of-life care
- Limited English/ without interpreter
- Inability to consent for self (i.e. cognitive impairment)
- Previous study enrolment

Locations (1 total)

Caboolture Hospital - Caboolture, QLD, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12625000043437>

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