

Introducing a Vascular Access Specialist Model in the Emergency Department (VAS-ED)

ACTRN12624001147572

Status	RECRUITING
Sponsor	Royal Brisbane and Women's Hospital
Enrollment	320 participants

Plain Language Summary

Almost every patient admitted to hospital through the emergency department needs an intravenous (IV) line — a small tube inserted into a vein to deliver fluids or medications. First-attempt success rates for inserting these lines vary widely, and failed attempts can be painful and delay treatment. This study is testing whether having a specialist Vascular Access Nurse insert the IV line leads to better outcomes compared to the usual approach where any available doctor or nurse does it.

Participants will be randomly assigned to have their IV line inserted by either a Vascular Access Specialist or the usual emergency department clinician. Both groups will be watched closely for complications like failed insertions, infection, or blockage, and patients will be asked about their comfort and satisfaction.

You may be eligible if you are 18 or older, have come through the emergency department, are likely to be admitted to hospital, and need IV therapy for at least 24 hours. People needing urgent resuscitation (triage category 1), those receiving end-of-life care, and non-English speakers without an interpreter are not eligible. This study could lead to safer, less uncomfortable IV line insertions across Australian hospitals.

Key Eligibility Criteria

Inclusion (3)

- 18 years and over
- likely being admitted into the hospital and requiring peripherally-compatible IV therapy for greater than or equal to 24 hours
- Informed written consent

Exclusion (4)

- Non-English-speaking patients without an interpreter
- Patients requiring urgent care (e.g. triage category one)
- Patient receiving end-of-life care
- Previous enrolment in the study

Locations (1 total)

Royal Brisbane & Womens Hospital - Herston, QLD, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12624001147572>

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