

# Comparison of success rate, speed of insertion and acute complication rates of central venous catheter (CVC) insertion between using ultrasound guidance technique and traditional anatomical landmark technique in elective surgery

ACTRN12606000223538

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Status	RECRUITING
Sponsor	Department of Anaesthesia, St Vincent's Hospital , Melbourne
Enrollment	190 participants

## Plain Language Summary

This study is comparing two methods for inserting a central venous catheter (CVC) — a thin tube placed into a large vein in the neck or chest, commonly needed during major surgery. The two methods are: (1) using ultrasound to guide the needle, and (2) using traditional anatomical landmarks (relying on feel and knowledge of body structure). Researchers want to find out which method is faster, more successful on the first try, and causes fewer complications.

You may be eligible if:

- You are 18 years or older
- You are scheduled for a planned (elective) CVC insertion in an operating theatre

You may NOT be eligible if:

- Your CVC insertion was not planned in advance (unplanned emergency insertion)
- You have a history of difficult CVC insertion
- You have a known neck abnormality

Talk to your doctor about whether this trial might be right for you.

## Key Eligibility Criteria

### Inclusion (1)

- Patients for elective planned CVC in operating theatres.

### Exclusion (1)

- Unplanned CVC insertion. Known difficult CVC insertion or neck abnormality.

## Locations (1 total)

Australia