

# Sequential compression alone for the prevention of deep venous thrombosis in operating theatres

ACTRN12621001201864

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Status	RECRUITING
Sponsor	Northern Health
Enrollment	5,200 participants

## Plain Language Summary

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Blood clots in the veins (deep vein thrombosis or DVT) are a risk for patients having surgery — especially in the legs, where blood flow slows during an operation. Standard prevention involves both special compression stockings (GCSs) and sequential compression devices (SCCDs) that rhythmically squeeze the legs. However, stockings are uncomfortable and can cause their own complications (skin breakdown, pressure sores).

This study tests whether using only SCCDs — without the stockings — is just as safe and effective at preventing clots during laparoscopic gallbladder removal surgery. If SCCDs alone are found to be sufficient, hospitals could eliminate stockings from routine care, reducing complications and costs.

You may be eligible if you are an adult (18 years or older) scheduled for a laparoscopic cholecystectomy (gallbladder removal) — either planned or emergency — at one of the participating hospitals. The study requires that only SCCDs are used during your procedure (not stockings).

## Key Eligibility Criteria

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### Inclusion (1)

- All patients who undergo a laparoscopic cholecystectomy either as an emergency or elective procedure at each of the hospital campuses are eligible for inclusion in this study. All of the involved hospitals have either already adopted SCCDs alone, or are in the process of either permanently adopting or performing an internal trial using this study's protocols. It is a requirement of this study that all involved hospitals have adopted this protocol prior to the commencement of data collection, in order that this study is a true cohort study.

### Exclusion (4)

- Participants will be excluded for the following criteria:
- If they are fitted with GCSs exclusively, combined GCSs and SCCDs, or no mechanical prophylaxis is used intra-operatively.
- A planned or unplanned conversion to open cholecystectomy.
- Under the age of 18 years

## Locations (10 total)

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The Northern Hospital - Epping, NSW,SA,VIC, Australia  
Western Hospital - Footscray - Footscray, NSW,SA,VIC, Australia  
Sunshine Hospital - St Albans, NSW,SA,VIC, Australia  
... and 7 more locations

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<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12621001201864>

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