

# Right Ventricular Clearance Index (RVCI): A Simple New Parameter To Assess The Right Ventricular Systolic Function Using Contrast Echocardiography In Critically Ill Patients

ACTRN12613001339741

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<b>Status</b>	RECRUITING
<b>Sponsor</b>	Military Hospital Of Tunis
<b>Enrollment</b>	35 participants

## Plain Language Summary

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This study is testing a new measurement called the Right Ventricular Clearance Index (RVCI) — a way of assessing how well the right side of the heart is pumping blood, using a contrast echocardiogram (a heart ultrasound with a special dye). The goal is to see if this new measurement can accurately detect problems with the right side of the heart in critically ill patients.

You may be eligible if:

- You are 18 years or older
- You are critically ill and being cared for in an intensive care unit (ICU)
- You are sedated and on a breathing machine
- You have a central venous catheter (a tube in a large vein, usually in the neck or chest)

You may NOT be eligible if:

- The ultrasound images of your heart are of poor quality through the chest wall
- There are contraindications to the transesophageal (through the food pipe) echocardiography probe
- The probe cannot be safely inserted
- The central line tip is not positioned in the right atrium
- You have a hole between the chambers of the heart (intracardiac shunt)
- You have organic tricuspid valve regurgitation or prior surgery on the tricuspid valve

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

## Key Eligibility Criteria

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### Inclusion (4)

- Critically ill patients
- Sedated
- Invasively ventilated
- With preexisting internal jugular or subclavian central venous catheter

### Exclusion (7)

- Transthoracic echocardiography images with poor quality
- Contraindication to transesophageal echocardiography
- Impossibility to introduce the transesophageal echocardiography probe
- If the central venous catheter tip was not in the right atrium
- Evidence of intracardiac shunt

... and 2 more (see full listing online)

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<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12613001339741>

### Locations (1 total)

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