





# ECG patterns to predict pulmonary arterial hypertension in patients with severe tricuspid regurgitation

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## Highlights

- Underdiagnosis in Severe TR:
  - Echocardiography may miss pulmonary hypertension, emphasizing the need for comprehensive assessment.
- ECG Insight in TR Patients:
  - ECG proves pivotal in identifying pulmonary hypertension in severe tricuspid regurgitation cases.
- $\max RV_{1,2} + \max S_{I,aVL} - S_{V1} > 3$  mm offer high specificity in PAH diagnosis.
- $S_I : R_I > 0.71$  provides heightened sensitivity, enhancing accuracy in tricuspid regurgitation identification.
- $R : S_{V1} > 1.5$  mm yields a high positive predictive value, indicating likely PAH in the setting of severe tricuspid regurgitation.

## Abstract