ECG Findings You Can’t Afford to Miss

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Disclosures

I have the following financial relationships with commercial interests to disclose:

• Lundbeck Pharmaceuticals — Speaker
• St Jude Medical — Research Support
Normal AV conduction system

First Degree AV block
Type 1 Second Degree AV Block

Type 2 Second Degree AV Block
Third Degree AV Block

Atrial Fibrillation
Atrial Flutter

Atypical Atrial Flutter
Paroxysmal Supraventricular Tachycardia

Paroxysmal Supraventricular Tachycardia
Premature Ventricular Beats

Nonsustained Ventricular Tachycardia
Sustained Ventricular Tachycardia
RBBB

Sustained Ventricular Tachycardia
LBBB
How Do I Know If It’s VT?

Other Clues for VT
Other Clues for VT

Look for P waves that aren’t conducted

Ventricular Fibrillation
Agonal Rhythm

Serious?
Serious Artifact

Figure 1. Electrocardiographic strip trace III showing polymorphic wide QRS complex tachycardia runs. Red arrows signify each cycle length.

Serious?
### Bidirectional VT due to Digitalis Toxicity

- Seen with severe digitalis toxicity
- QRS is typically fairly narrow
- Typically RBBB
- Alternating left axis and right axis
- Look for other clues
  - P waves that are dissociated

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**Thank You**