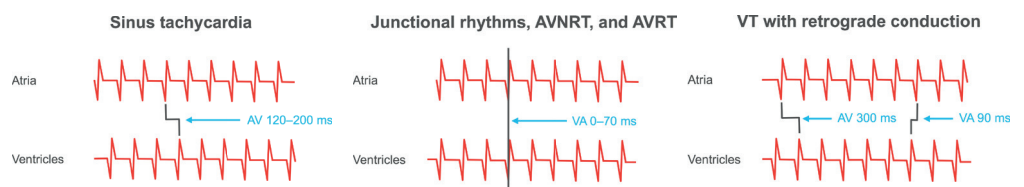# DISCRIMINATING BETWEEN DIFFERENT ARRHYTHMIAS

PR pattern analysis

Key take-away points

- PR pattern analysis is specifically used for arrhythmias with equal number of atrial events and ventricular events.
- Withholds therapy if there is a normal PR interval, or if the VA time suggests an atrioventricular reentrant tachycardia (AVRT) or atrioventricular nodal reentrant tachycardia (AVNRT).
- Delivers therapy if a ventricular tachycardia (VT) with retrograde conduction is suspected.

1:1 tachycardias
Sinus tachycardia
Junctional tachycardia
Atrioventricular nodal reentrant tachycardia (AVNRT)
Atrioventricular reentrant tachycardia (AVRT)
Ventricular tachycardia with retrograde conduction

Sinus tachycardia

Atria

Ventricles

AV 120–200 ms

Junctional rhythms, AVNRT, and AVRT

Atria

Ventricles

VA 0–70 ms

VT with retrograde conduction

Atria

Ventricles

AV 300 ms   VA 90 ms

Notes