

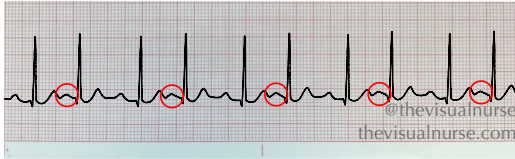
COMMON CARDIAC RHYTHMS & ARRHYTHMIAS

Sinus rhythm



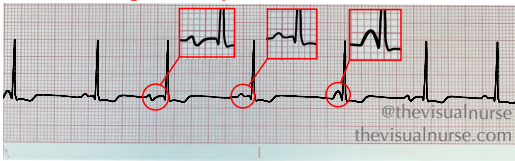
Heart rate: 60-100 BPM
Regularity: Regular ventricular response
P waves: Upright, similar in appearance
PR interval: 0.12-0.20 seconds
QRS complex: <0.12 seconds

Premature atrial contractions (PAC)



Heart rate: Based on underlying rhythm
Regularity: Irregular due to early P wave
P waves: Early Ps may look different
PR interval: May vary for early Ps
QRS complex: <0.12 seconds

Wandering atrial pacemaker (WAP)



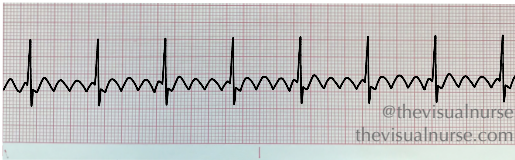
Heart rate: <60 BPM
Regularity: Irregular
P waves: 3+ different morphologies
PR interval: May be variable for each P
QRS complex: <0.12 seconds

Atrial fibrillation



Heart rate: Variable
Regularity: *Irregularly*-irregular
P waves: None
PR interval: N/A (no P waves)
QRS complex: <0.12 seconds

Atrial flutter



Heart rate: 250-350 atrial, ventricular varies
Regularity: May be regular or irregular
P waves: Sawtooth appearance (F waves)
PR interval: Unable to determine
QRS complex: <0.12 seconds

Junctional rhythm

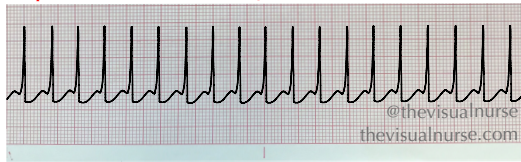


Heart rate: 40-60 BPM
Regularity: Regular ventricular response
P waves: Inverted before/after QRS or buried
PR interval: <0.12 seconds if before
QRS complex: <0.12 seconds

From a basic nursing and rhythms perspective. Exceptions exist in the real world.

COMMON CARDIAC RHYTHMS & ARRHYTHMIAS

Supraventricular tachycardia (AVNRT/AVRT)



Heart rate: 150-250+ BPM (based on type)
Regularity: Typically regular
P waves: Unable to identify
PR interval: N/A @thevisualnurse
QRS complex: <0.12 seconds

Premature ventricular contractions (PVC)



Heart rate: Based on underlying rhythm
Regularity: Irregular due to early QRS
P waves: Based on underlying rhythm
PR interval: Based on underlying rhythm
QRS complex: >0.12 seconds for PVC

Idioventricular rhythm (IVR)



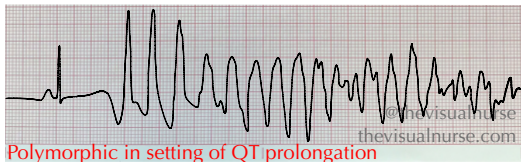
Heart rate: ~20-40 BPM
Regularity: Regular
P waves: Typically none seen
PR interval: N/A @thevisualnurse
QRS complex: >0.12 seconds

Ventricular tachycardia (monomorphic)



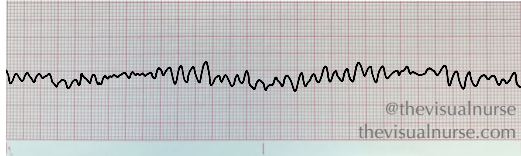
Heart rate: >100-270+ BPM
Regularity: Regular
P waves: Typically none seen
PR interval: N/A
QRS complex: >0.12 seconds

Torsades de Pointes (TdP)



Heart rate: ~250 BPM
Regularity: Irregular
P waves: None
PR interval: N/A @thevisualnurse
QRS complex: >0.12 seconds

Ventricular fibrillation



Heart rate: No actual organized activity
Regularity: Irregular and chaotic
P waves: None
PR interval: N/A
QRS complex: None (pseudo-QRS)

From a basic nursing and rhythms perspective. Exceptions exist in the real world.

COMMON CARDIAC RHYTHMS & ARRHYTHMIAS

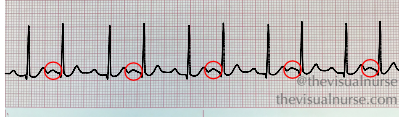
Atrial fibrillation



Wandering atrial pacemaker (WAP)



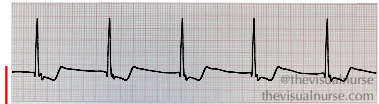
Premature atrial contractions (PAC)



Sinus rhythm



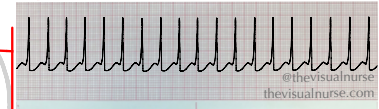
Junctional rhythm



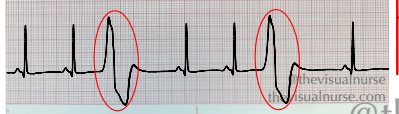
Atrial flutter



Supraventricular tachycardia (AVNRT/AVRT)



Premature ventricular contractions (PVC)



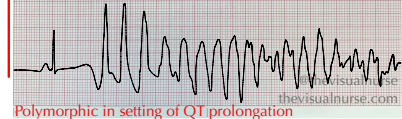
Idioventricular rhythm (IVR)



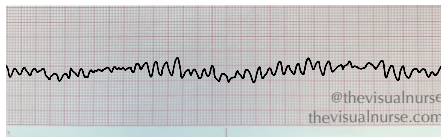
Ventricular tachycardia (monomorphic)



Torsades de Pointes (TdP)



Ventricular fibrillation



**Illustrative purposes only*

From a basic nursing and rhythms perspective. PVCs, IVR, VT may occur elsewhere in ventricles. Atrial flutter may occur around sites other than tricuspid. Atrial fibrillation impulses may range ~300-600/min. PACs may occur from many atrial sites. Additional exceptions may exist.