

EKG Flowchart

Are there upright P waves?

YES

NO

Is there a QRS complex for every P wave?

YES

NO

Are there QRS complexes?

YES

NO

Is the R-R regular?

Do they look like normal P waves?

Is the QRS complex narrow or wide?

Junky Baseline?

YES

What's the rate?

<60?
Sinus Brady

60-100?
Sinus Rhythm

101-180?
Sinus Tach

100-250?
Atrial Tachycardia

YES

More P waves than QRS

- Lengthening PR & randomly drops QRS?
2° AVB Type 1
- Constant PR & randomly drops QRS?
2° AVB Type 2
- Complete disassociation between P waves & QRS?
3° AVB

NARROW

What is the rate?

40-60?
Junctional Escape

60-100?
Accelerated Junctional

101-180?
Junctional Tachycardia

150-250?
SVT

YES

Ventricular Fibrillation

NO

Asystole

NO

- Missing one PQRST?
Sinoatrial Block
- Missing more than one PQRST?
Sinus Arrest
- If not, consider:
Sinus w/ Ectopic Beat
OR
Sinus Arrhythmia

NO

- Junky Baseline?
A-fib
- Sawtooth?
A-flutter
- Irregular's

WIDE

What is the rate?

20-40?
Idioventricular

40-100?
Accelerated Idioventricular

101-250?
Ventricular Tachycardia

NOTES

Ectopic Beat

Premature Complexes?

- Narrow w/ P wave?
PAC
- Narrow w/ inverted P waves or w/o P waves?
PJC
- Wide w/o P wave?
PVC

Late Complexes?

- Narrow w/ inverted P wave or w/o P wave?
Junctional Escape Beat
- Wide w/o P wave?
Ventricular Escape Beat

NOTES

- P-R interval < 0.12? if there is a delta wave consider:
Wolf-Parkinson-White Syndrome
- P-R interval > 0.20?
1° AV Block

NOTES

- Are some P waves upright and some inverted?
- Rate < 100?
Wandering Atrial Pacemaker
- Rate > 101?
Multi focal Atrial Tach

NOTES

- Spindling V-tach?
Torsades de Pointes (150-300)