

Diagnosis	Rate	Rhythm	Axis	P wave	PR interval	QT interval	QRS complex	ST segment	Notes
Atrial fibrillation	-	Irregular	-	Absent	-	-	-	-	-
Atrial flutter				Absent					Saw-tooth
Supraventricular tachycardia		Regular		Absent			Narrow		
Ventricular tachycardia	↑			Absent			Wide		
Ventricular fibrillation		Irregular		Absent					
1st heart block					Prolonged (fixed)				
2nd heart block (mobitz I)					Prolonged (progressive)				
2nd heart block (mobitz II)					Prolonged (fixed)				
3rd heart block					Prolonged/short		Wide		Dissociation
Wolff-Parkinson-White					Short		Wide		Delta wave
Sinus tachycardia									
Sinus bradycardia									
Sinus arrhythmia		Irregular		Present	Normal				
LBBB (WiLLiaM)							Wide	Elevated	V5, V6
RBBB (MaRRoW)							Wide		V1, V2
LVH								Depression	T inversion
Hyperkalemia					Prolonged		Wide		Tall T, symmetric narrow-based
TorsadeDePointes						>50% RR			
TCA toxicity							Wide		
Ischemia								Elevated/depressed	Pathological Q wave
Pericarditis								Widespread elevation	
Benign early repolarization								Widespread elevation	Notch
Right axis deviation			1-, 2+						
Left axis deviation			1+, 2-						

Rate:

- 300/ big squares
- GRS in 30 squares*10

P WAVE :

- Duration /s : 0.1 = **1/2 BIG BOX**
- Amplitude /mv: 0.25 = **1/2 BIG BOX**

PR INTERVAL :

- Duration /s : 0.12- 0.2 = **1 BIG BOX** maximum
 - Prolonged > 5 small square or 1 BIG
 - Short < 3 small squares

QRS COMPLEX:

- Duration /s : 0.09 = **1/2 BIG BOX= 3 small boxes**
 - **Wide** > 3 small squares
- R Amplitude /mv: 1.6 = **3 BIG BOXES**
- Q Amplitude /mv: 25% OF R WAVE = **4 SMALL BOXES**

ST SEGMENT:

- Duration /s : < **1 BIG BOX**

QT INTERVAL :

- Duration /s : 0.35- 0.44 = **2.2 BIG BOXES** maximum

T WAVE:

- Amplitude /s: 0.1 - 0.5MV = 1 SMALL - **1 BIG BOX** maximum