

HEART RHYTHM IDENTIFICATION

Identify the heart rhythm represented in the following EKG strips

1



2



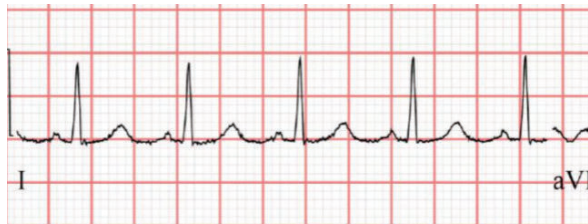
3



4



5



6



HEART RHYTHM IDENTIFICATION

ANSWER KEY:

1

Atrial Fibrillation

Notice that there are no distinguishable P waves in the strip and the QRS intervals are irregular.



2

Normal Sinus Rhythm

Use the criteria to notice that there are P waves and QRS complexes which are normal. The rate is within 60-100 bpm.



3

Ventricular Tachycardia

Notice the characteristic waveforms associated with VT. Wide and rapid QRS complexes with no P waves.



4

PVC or premature ventricular contraction.

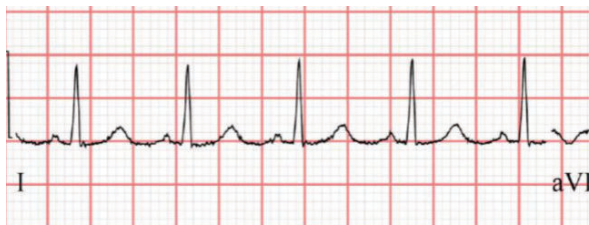
The identified beat is a PVC or premature ventricular contraction. Notice the early QRS complex that has no P wave and is wide and bizarre.



5

Sinus Tachycardia

By using the box counting method you can identify that the rate is >100 bpm. Note that 10 large boxes = 2 seconds. There are 4 QRS complexes within 10 large boxes. Multiply that by 30 = 120 bpm. Therefore Sinus Tachycardia



6

Ventricular Fibrillation

Notice the fibrillating waves with no P waves or distinguishable QRS complexes. Immediate defibrillation is required.

