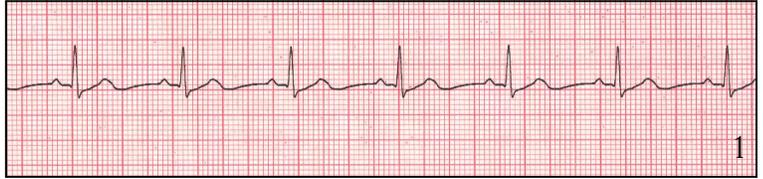


# Telemetry: Ventricular Rhythms

## ***Sinus Rhythm:***

Just a baseline to compare to the other strips. Notice that every P wave has a prompt QRS and everything marches out uniformly.



## ***Ventricular Rhythm:***

Notice the absent P waves and the wide QRS. Rate of 20-40 bpm. Rhythm is regular.



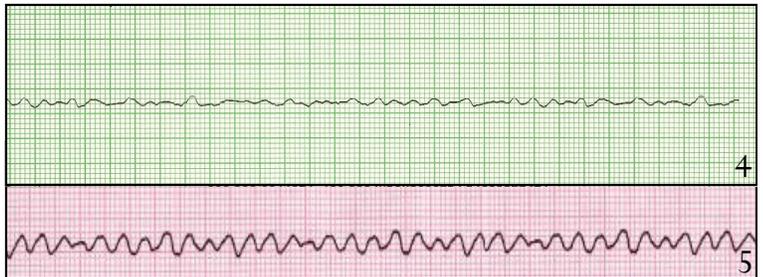
## ***Accelerated Idioventricular Rhythm (AIVR):***

Characterized by wide QRS, absent P waves, with a ventricular rate of 41-100. T wave can be in the opposite direction of the QRS.



## ***Ventricular Fibrillation:***

V-fib has no discernible rate and no P wave. Two versions exist : fine V-fib (pic 4) and coarse V-fib (pic 5). Both will be pulseless.



## ***Ventricular Tachycardia:***

Absent P waves. Only wide QRS noted. Heart rate will be  $>100$  and can be upwards of 300 bpm. Pic 6 shows Monomorphic V-tach where the QRS are identical. Pic 7 is of Polymorphic V-tach; QRS are different. When the QRS change shape and seem to be twisting around the isoelectric line this is called "Torsades de Pointes" (Pic 8).

