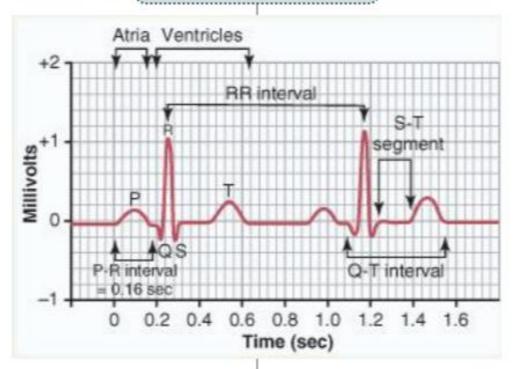


The Electrocardiogram (ECG)

The Normal Electrocardiogram (ECG)

The Electrocardiogram (ECG) is a recording of the electrical activity of the heart



- by atrial depolarization
- QRS complex: is caused by depolarization of the ventricles
- T wave: repolarization of the ventricles
- e It is the time between the beginning of the P wave and the beginning of the QRS complex
- between the beginning of electrical excitation of the atria and the beginning of excitation of the ventricles
- The P -R interval is about 0.16 second

- The vertical calibration lines:
 Voltage(millivolt):
 5 small lines = 1 mV
 The horizontal calibration lines:
 Time (seconds):
 -1 inch(25 small
 - lines) = 1 second
 -Each inch is divided
 by 5 dark vertical
 lines
 -The interval
 between the dark
 - between the dark lines= 0.2 second -thin line=0.04 second
 - Contraction of the ventricles last from the beginning of the Q wave to the end of the T wave
 - Q-T interval is the time from the beginning of the Q wave to the end of the T wave
 - Q-T interval is about 0.35 second

