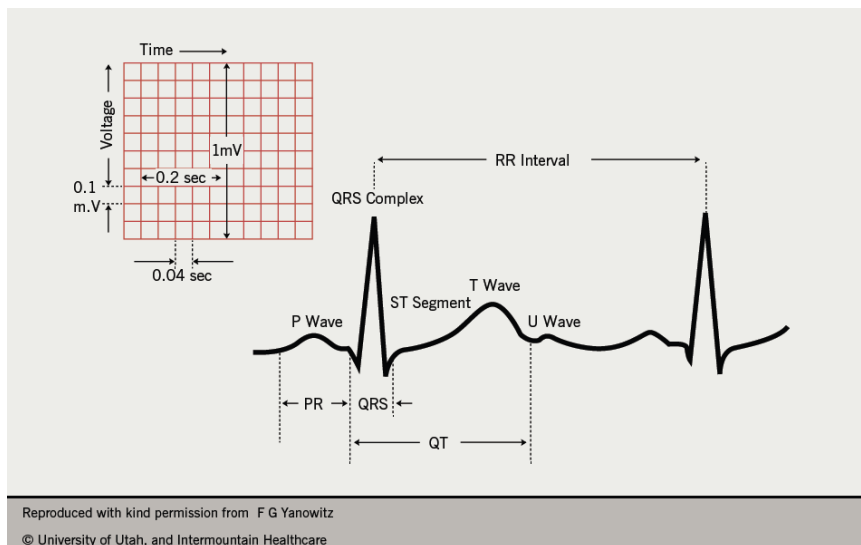
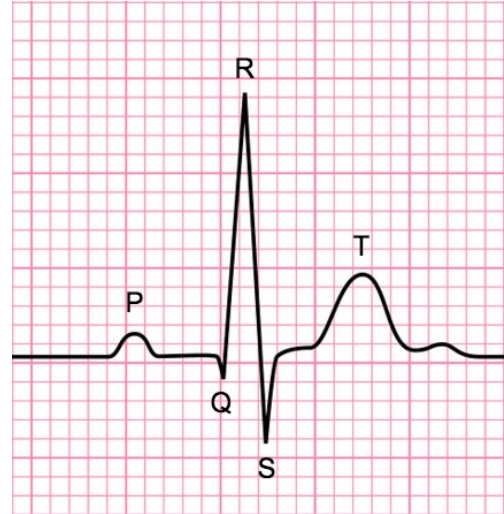
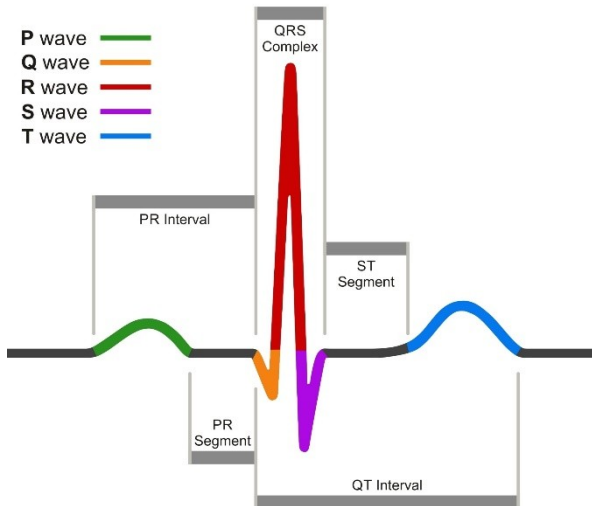


The EKG waveform consists of:

- P Wave: Represents atrial depolarization
- QRS: Represents ventricular depolarization
- T Wave: Represents ventricular repolarization



- 1 small square on an ECG trace (at 25 mm/s speed) = 0.04 s
- PR interval 0.12–0.20 seconds (3–5 small squares)
- QRS complex 0.06–0.12 seconds (1.5–2.5 small squares)- if Bradycardia could be slightly prolonged at slower rates

Six Basic Steps for Rhythm Interpretation

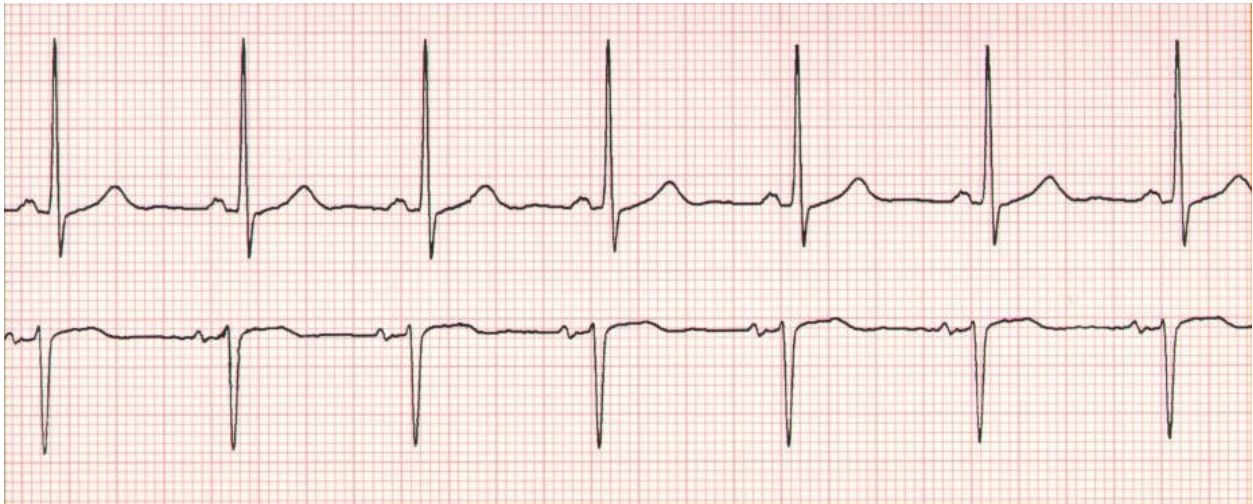
1. Rate: (Calculate the heart rate (HR) or note the HR from the monitor)
2. Regularity: (Measure the regularity or rhythm of the R waves)
3. P-wave Examination: Is there one P wave before each QRS? (there should be)
4. P to R Interval: (Measure the P to R interval - Is it within normal limits? It is consistent?)
5. QRS Width: (Measure the duration of the QRS complex)
6. Rhythm Interpretation

N321 Adult Health EKG Practice

Please assume these are 6s strips

Please determine heart rate, irregular or regular rhythm, P wave before QRS, PR interval, QRS interval

Then answer if Normal sinus rhythm, Sinus Bradycardia, Sinus Tachycardia, Asystole



1. Heart Rate_70___ Regular or irregular_R___ P wave before each QRS_Y___

Between PR (0.12-0.20) ___0.12___ QRS 0.06-0.12___0.06___

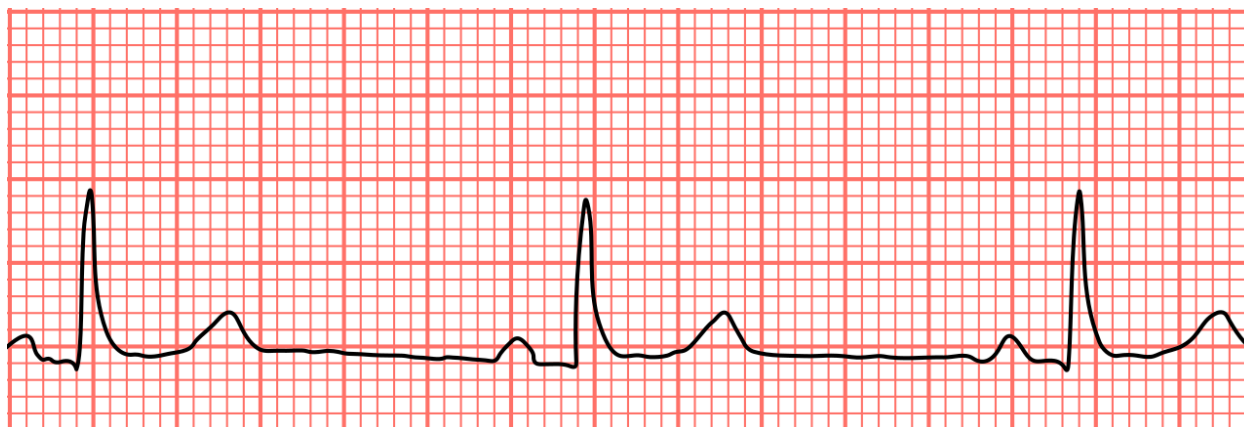
Answer: _____NSR_____



2. Heart Rate _____ 90 _____ Regular or irregular _____ R _____ P wave before each QRS _____ Y _____

Between PR (0.12-0.20) _____ .14 _____ QRS 0.06-0.12 _____ 0.06 _____

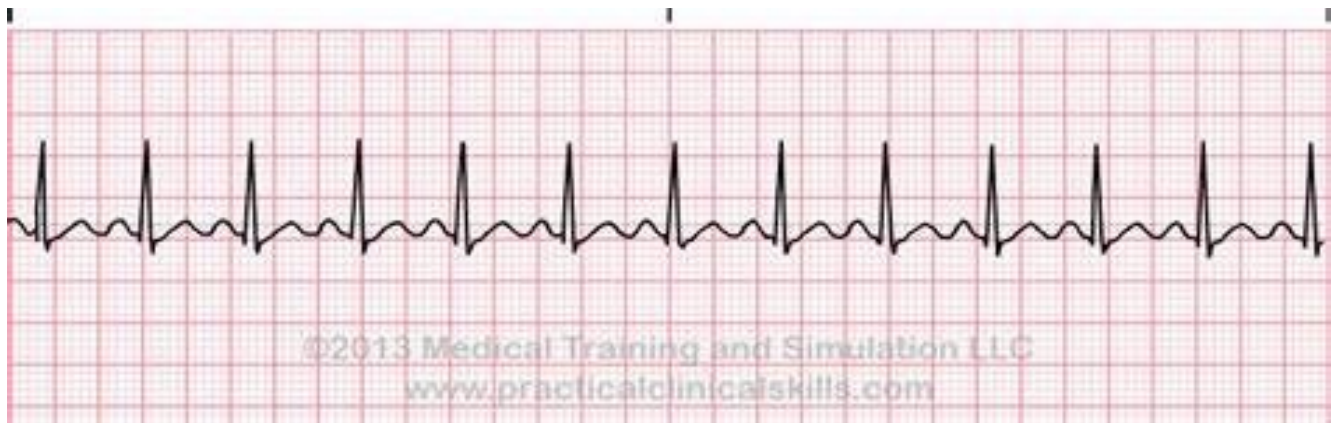
Answer: _____ NSR _____



3. Heart Rate _____ 30 _____ Regular or irregular _____ R _____ P wave before each QRS _____ Y _____

Between PR (0.12-0.20) _____ 0.20 _____ QRS 0.06-0.10 _____ 0.08 _____

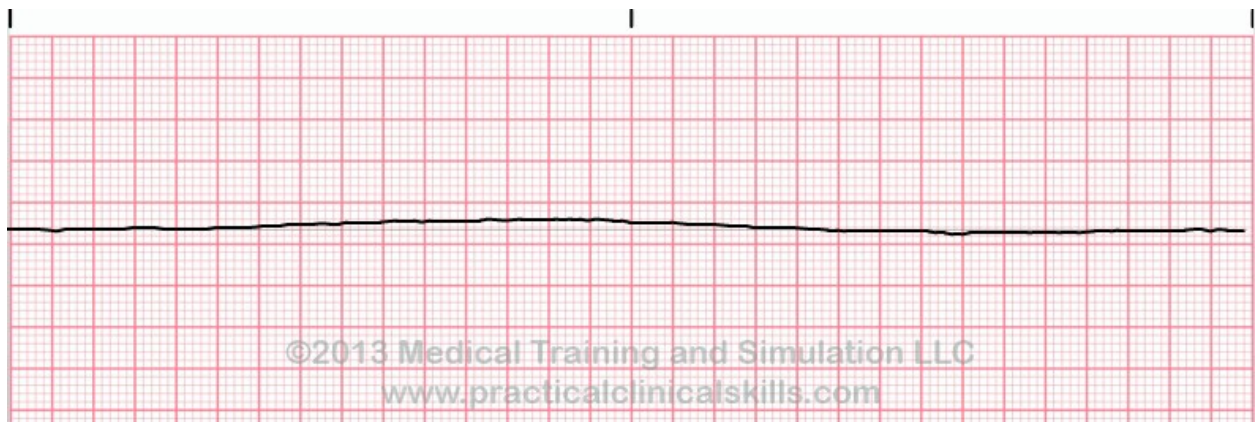
Answer: _____ SB _____



4. Heart Rate 130 Regular or irregular R P wave before each QRS Y

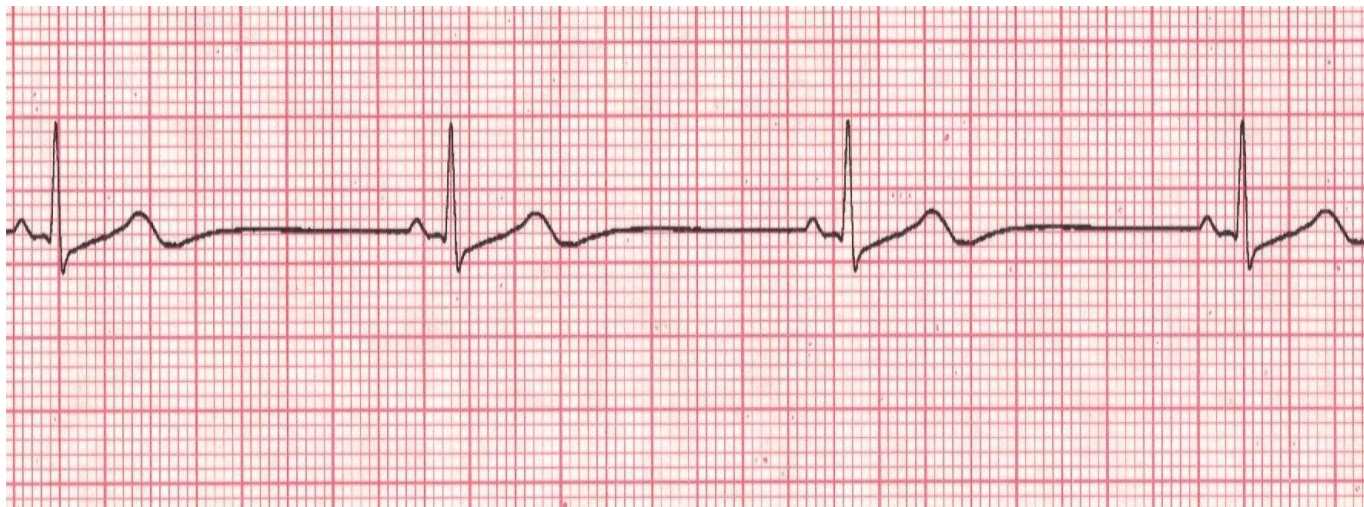
Between PR (0.12-0.20) 0.12 QRS 0.06-0.12 0.04

Answer: ST



5. Heart Rate NA Regular or irregular NA P wave NO

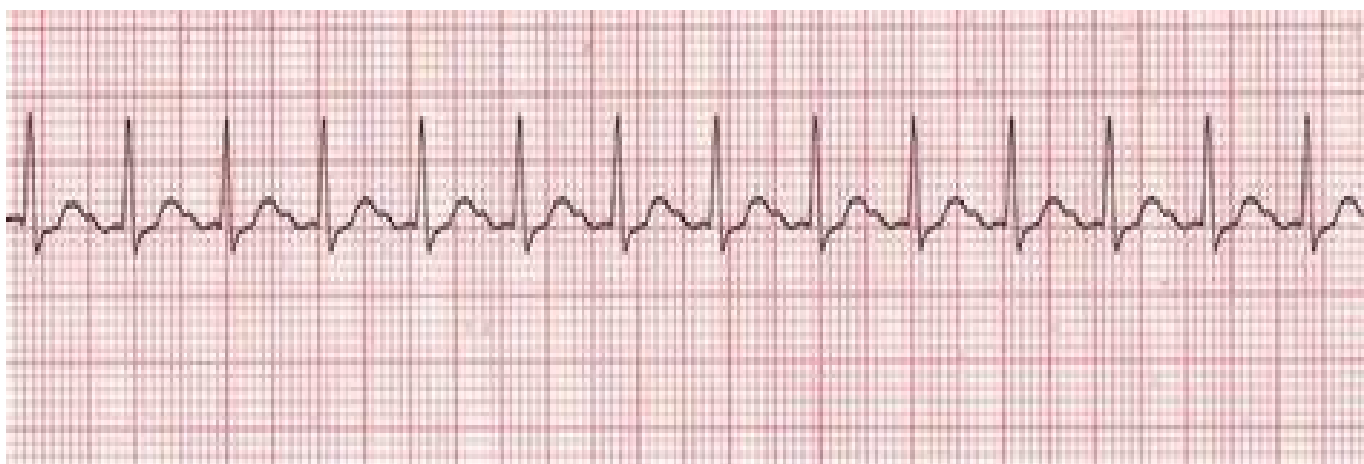
Answer: ASYSTOLE



6. Heart Rate 40 Regular or irregular R P wave before each QRS Y

Between PR (0.12-0.20) 0.14 QRS 0.06-0.12 0.06

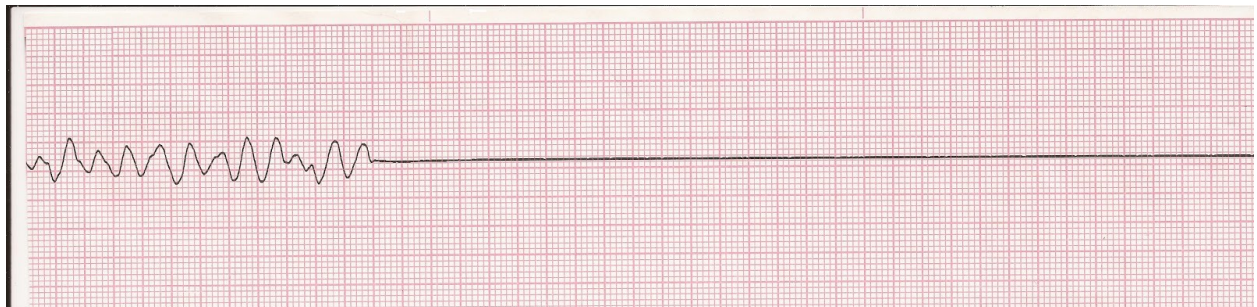
Answer: SB



7. Heart Rate 140 Regular or irregular Y P wave before each QRS Y

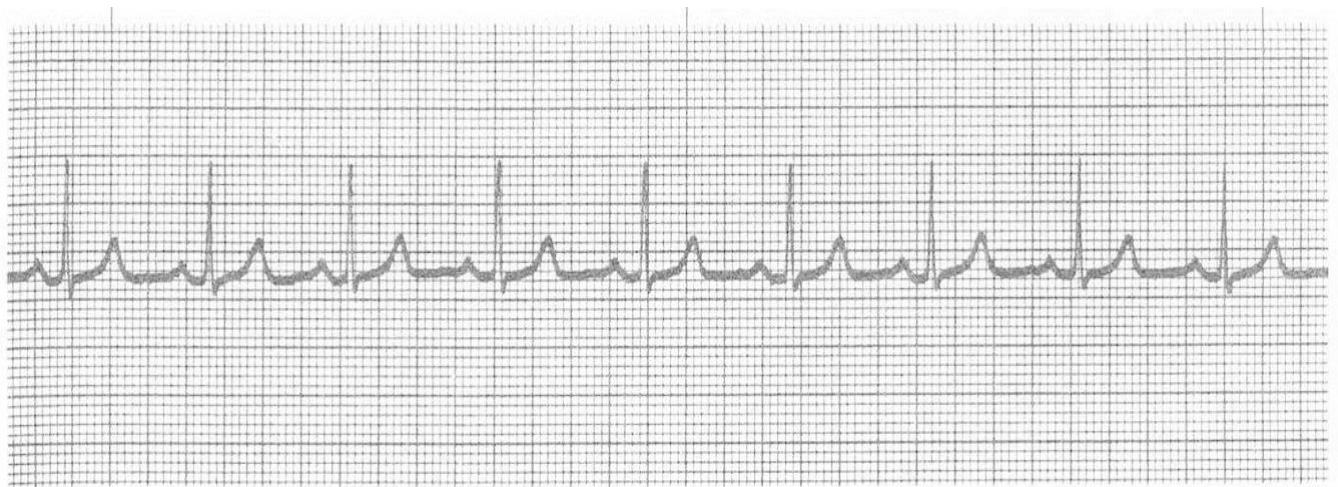
Between PR (0.12-0.20) 0.16 QRS 0.06-0.12 0.04

Answer: ST



8. Heart Rate _____ NA _____ Regular or irregular _____ NA _____ P wave _____ NO _____

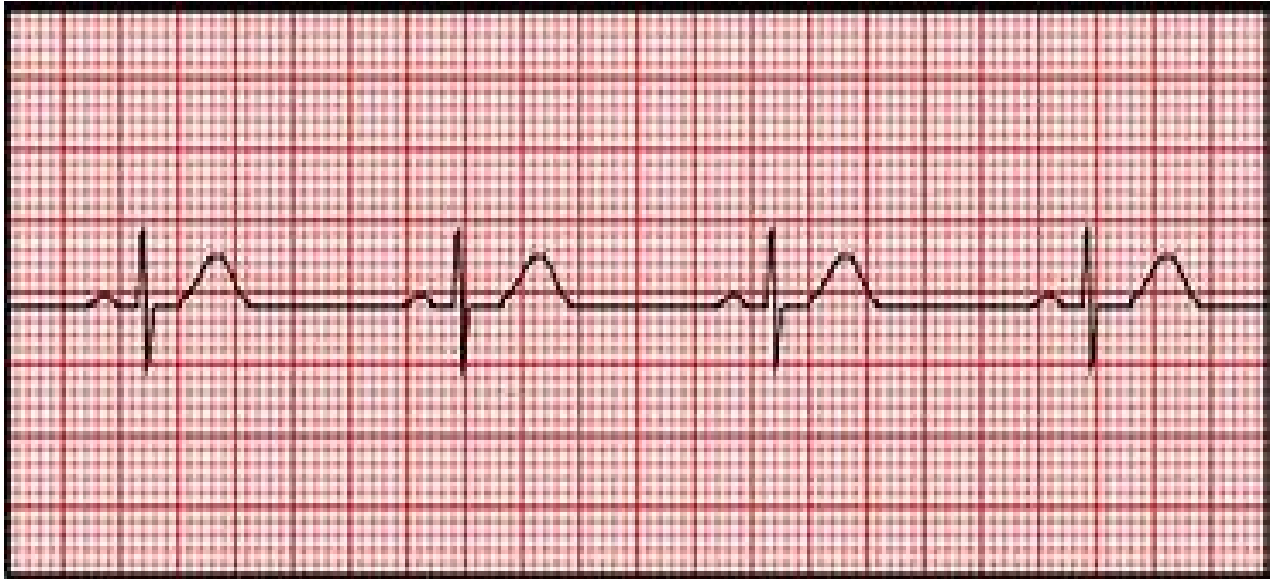
Answer: _____ V-FIB LEADING INTO ASYSTOLE _____



9. Heart Rate _____ 90 _____ Regular or irregular _____ R _____ P wave before each QRS _____ Y _____

Between PR (0.12-0.20) _____ 0.14 _____ QRS 0.06-0.12 _____ 0.06 _____

Answer: _____ SR _____



10. Heart Rate ____ 40 ____ Regular or irregular ____ R ____ P wave before each QRS_Y ____

Between PR (0.12-0.20) __ 0.14 ____ QRS 0.06-0.12 ____ 0.06 ____

Answer: ____ SB ____