

Six Basic Steps for Rhythm Interpretation

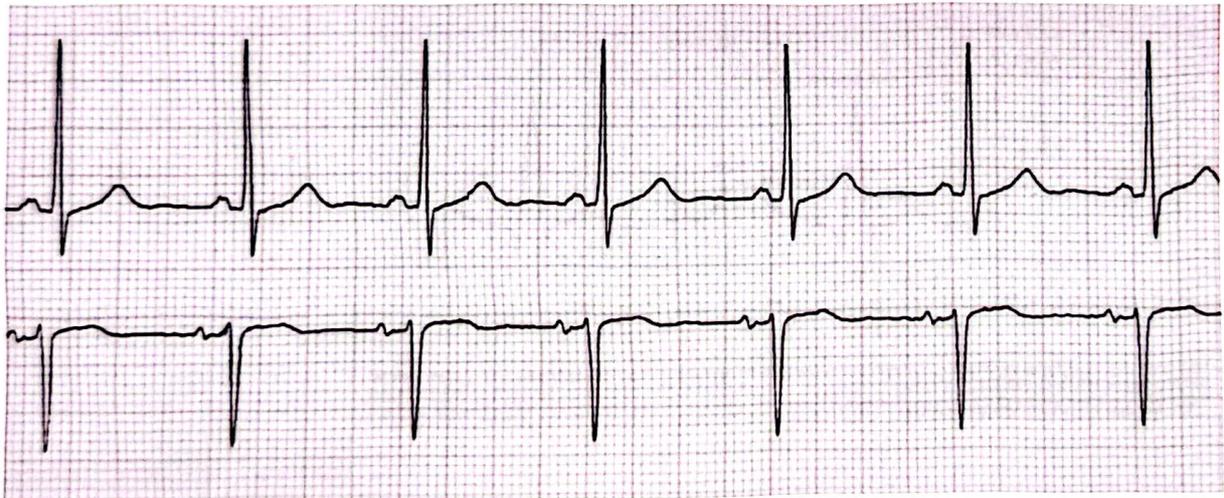
1. Rate: (Calculate the heart rate (HR) or note the HR from the monitor)
2. Regularity: (Measure the regularity or rhythm of the R waves)
3. P-wave Examination: Is there one P wave before each QRS? (there should be)
4. P to R Interval: (Measure the P to R interval - Is it within normal limits? It is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

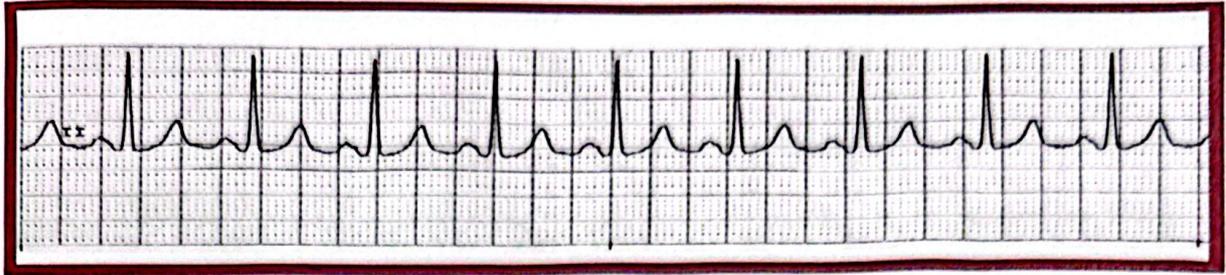
Then answer if Normal sinus rhythm, Sinus Bradycardia, Sinus Tachycardia, Asystole



1. Heart Rate 70 Regular or irregular regular P wave before each QRS yes

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

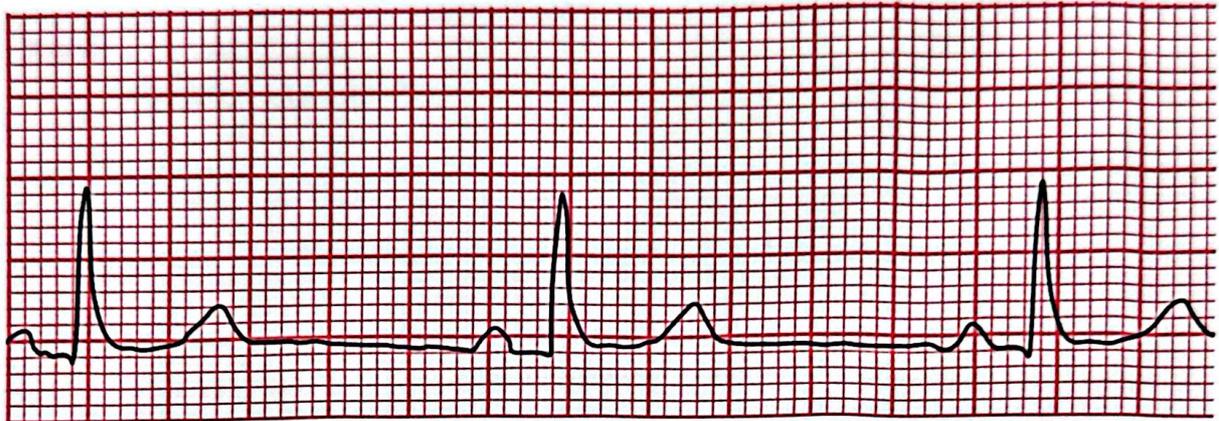
Answer: normal sinus rhythm



2. Heart Rate 90 Regular or irregular regular P wave before each QRS yes

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

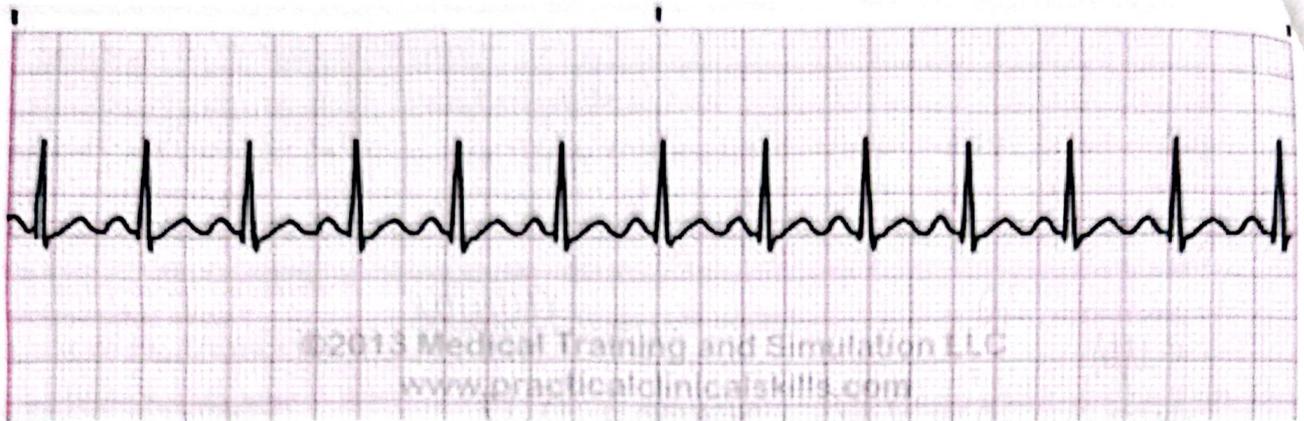
Answer: normal sinus rhythm



3. Heart Rate 30 Regular or irregular regular P wave before each QRS yes

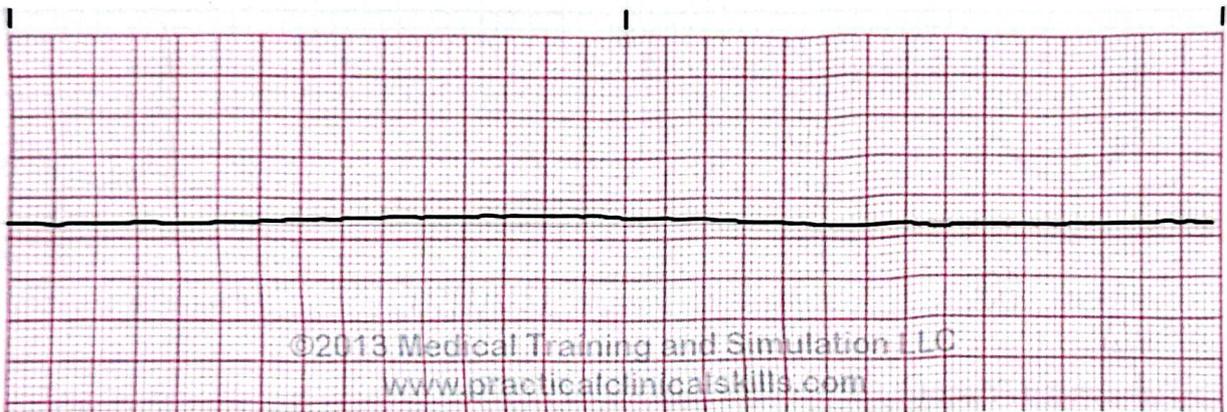
Between PR (0.12-0.20) 0.20 QRS 0.06-0.10 0.08

Answer: sinus bradycardia



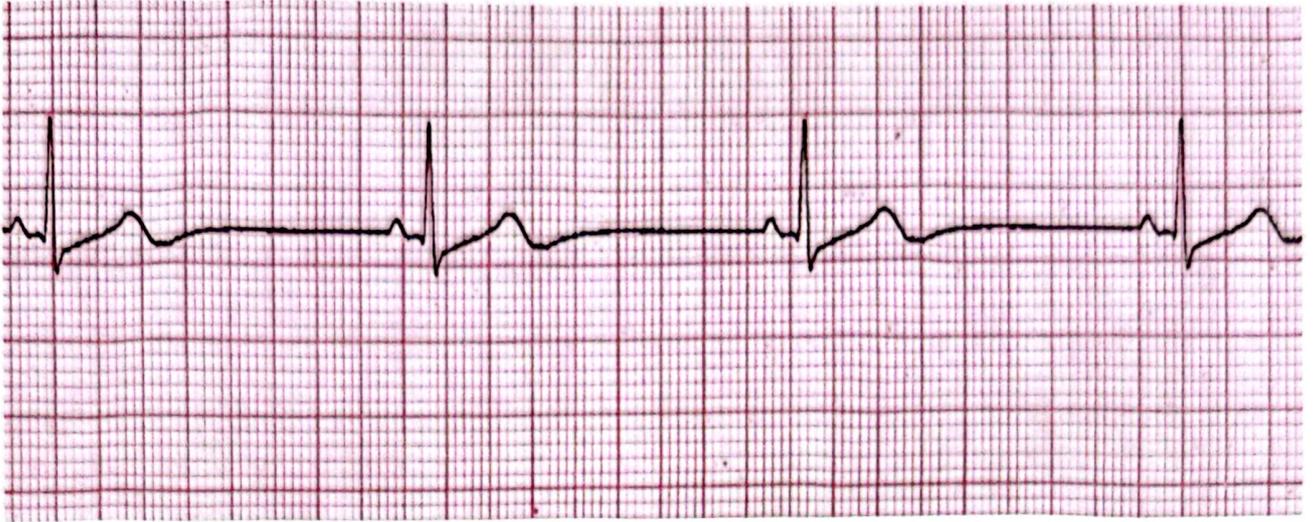
4. Heart Rate 130 Regular or irregular reg P wave before each QRS yes
 Between PR (0.12-0.20) 0.16 QRS 0.06-0.12 0.08

Answer: sinus tachycardia



5. Heart Rate 0 Regular or irregular — P wave —

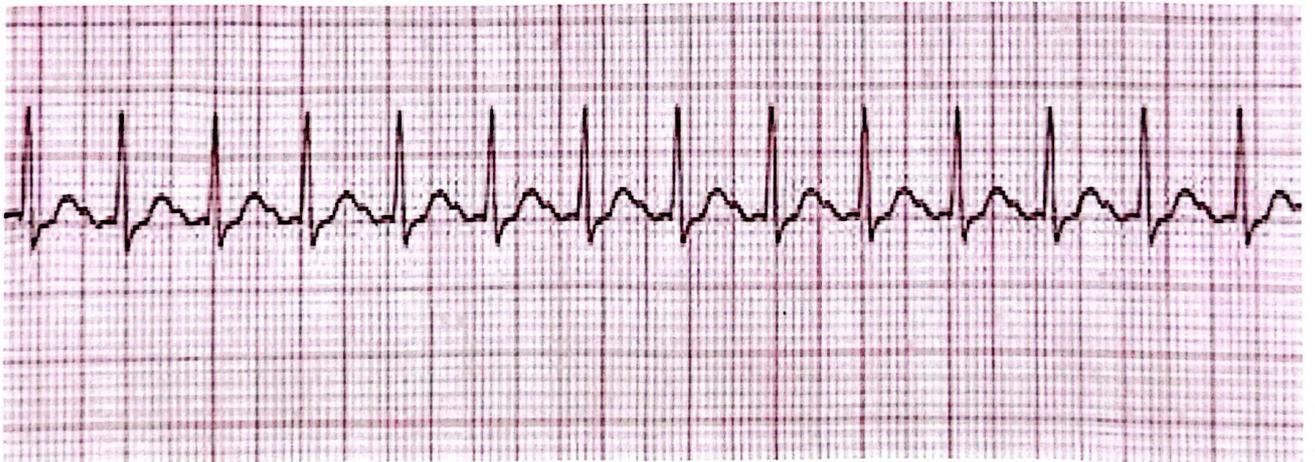
Answer: Asystole



6. Heart Rate 40 Regular or irregular regular P wave before each QRS yes

Between PR (0.12-0.20) 0.16 QRS 0.06-0.12 0.08

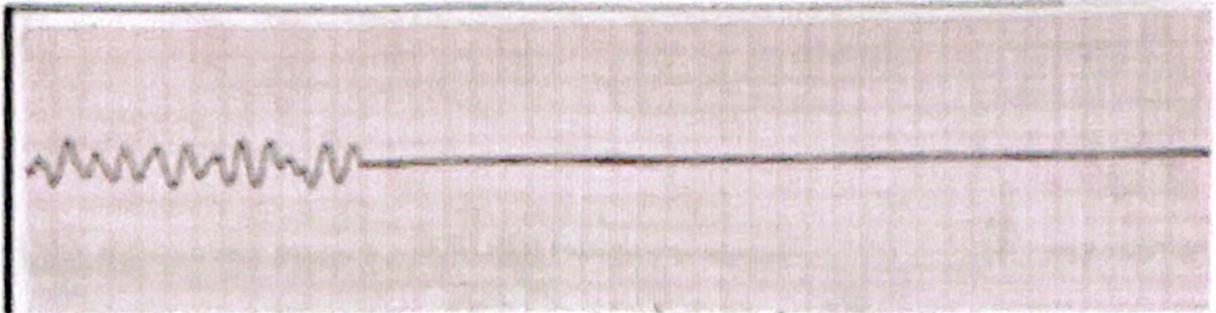
Answer: Sinus
bradycardia



7. Heart Rate 140 Regular or irregular regular P wave before each QRS ~~no~~ yes

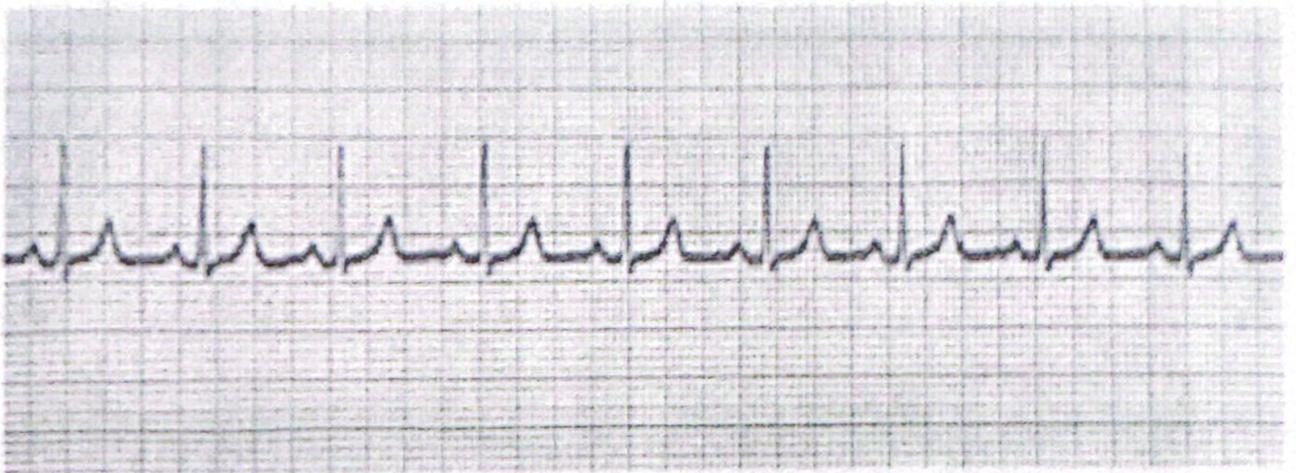
Between PR (0.12-0.20) ~~0.12~~ 0.20 QRS 0.06-0.12 0.08

Answer: Sinus
tachycardia



8. Heart Rate 150 Regular or irregular regular P wave —

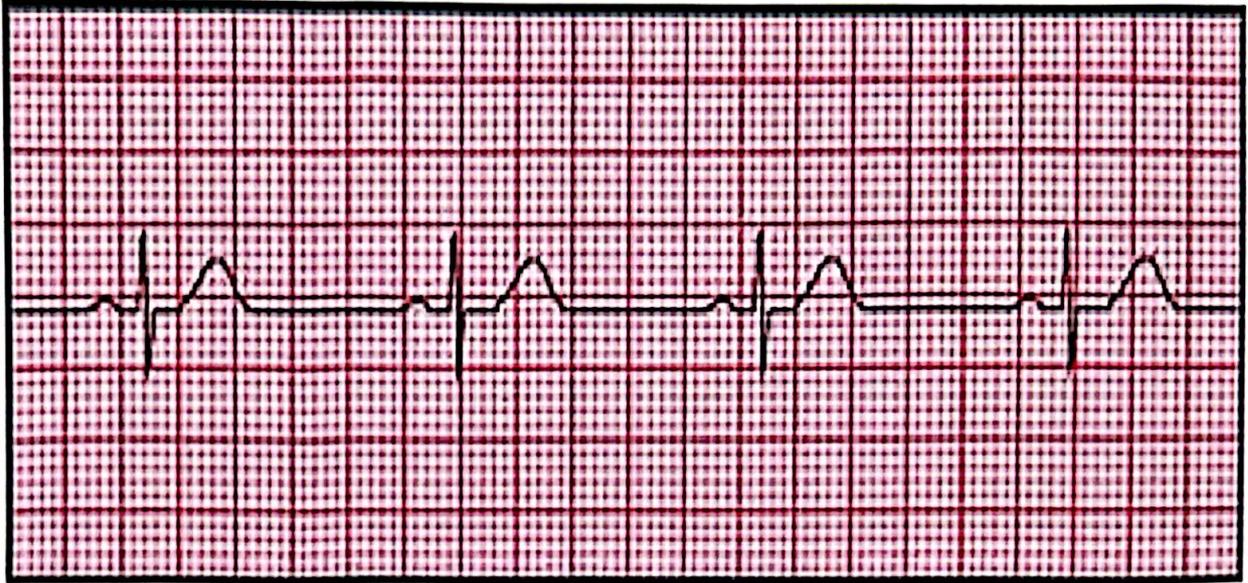
Answer: sinus tachycardia



9. Heart Rate 90 Regular or irregular regular P wave before each QRS yes

Between PR (0.12-0.20) 0.16 QRS 0.06-0.12 0.07

Answer: NSR



10. Heart Rate 40 Regular or irregular regular P wave before each QRS yes

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

Answer: SINUS

bradycardia