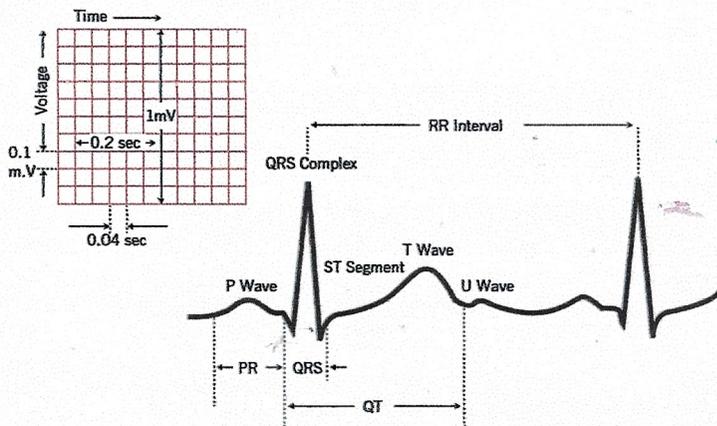
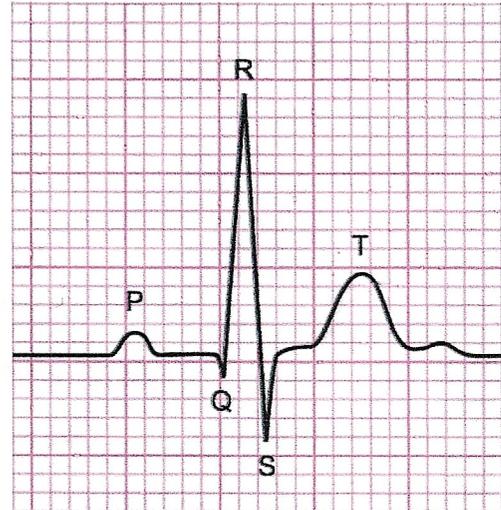
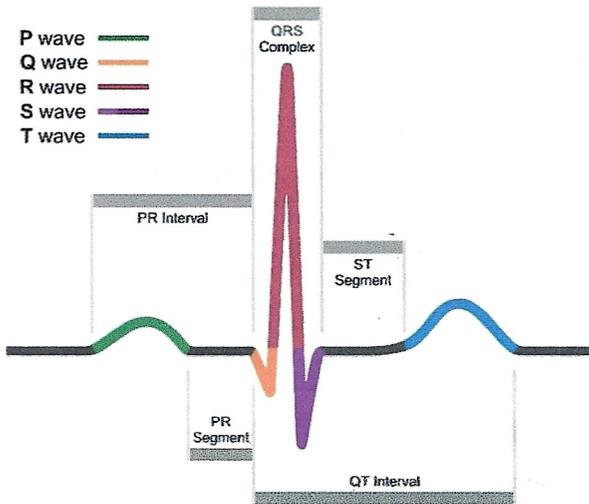


Hayley Baive

The EKG waveform consists of:

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



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- 1 small square on an EKG 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

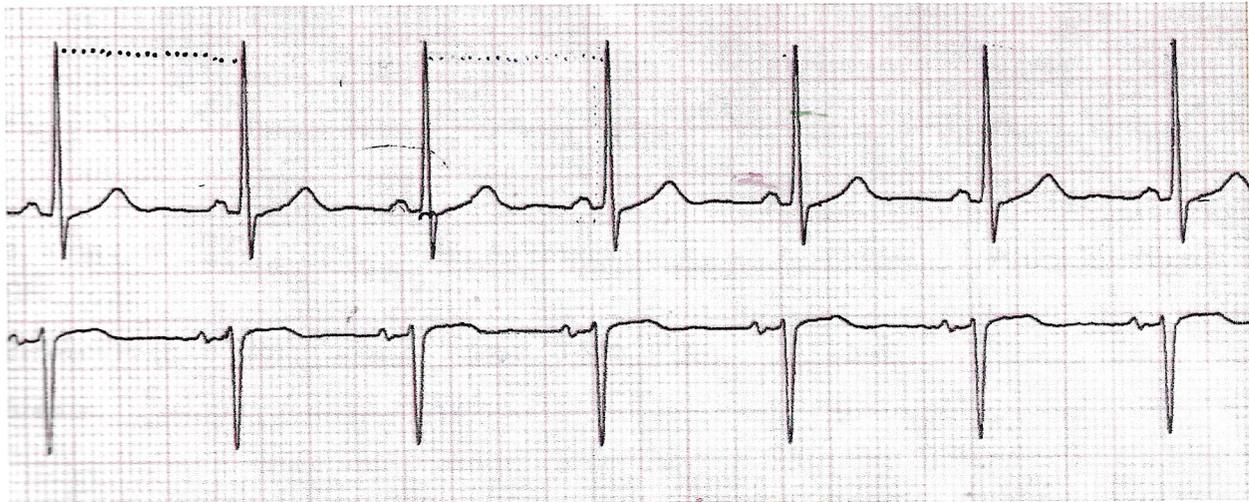
6 strips

N321 Adult Health EKG Practice

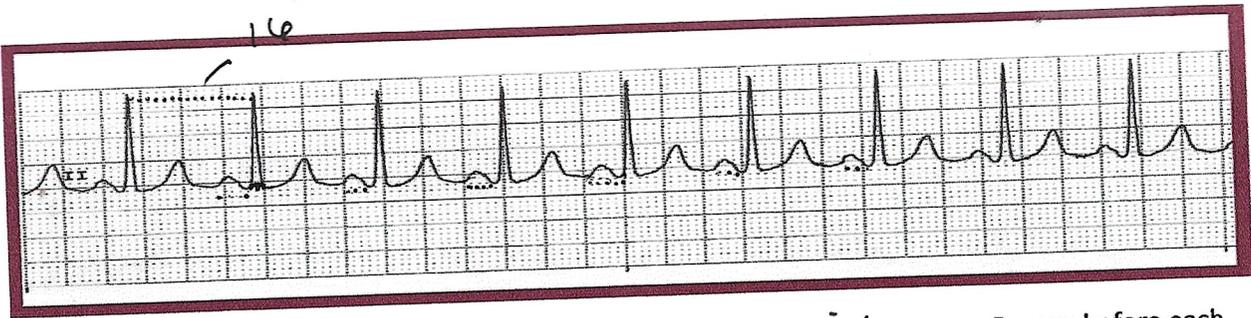
Please assume these are 6s strips

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

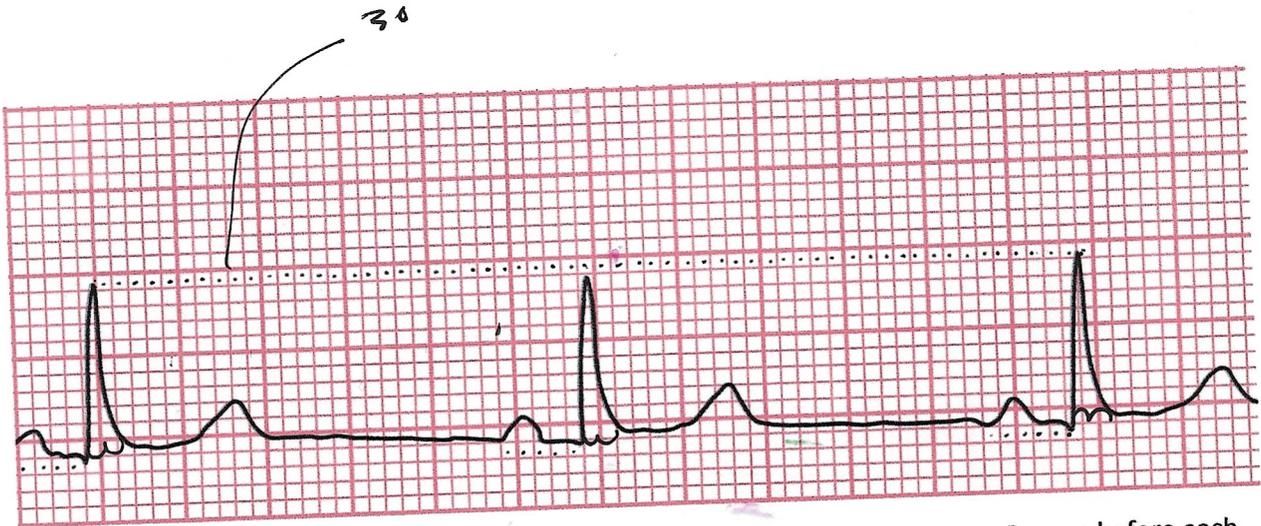
Then answer if Normal sinus rhythm, Sinus Bradycardia, Sinus Tachycardia, Asystole



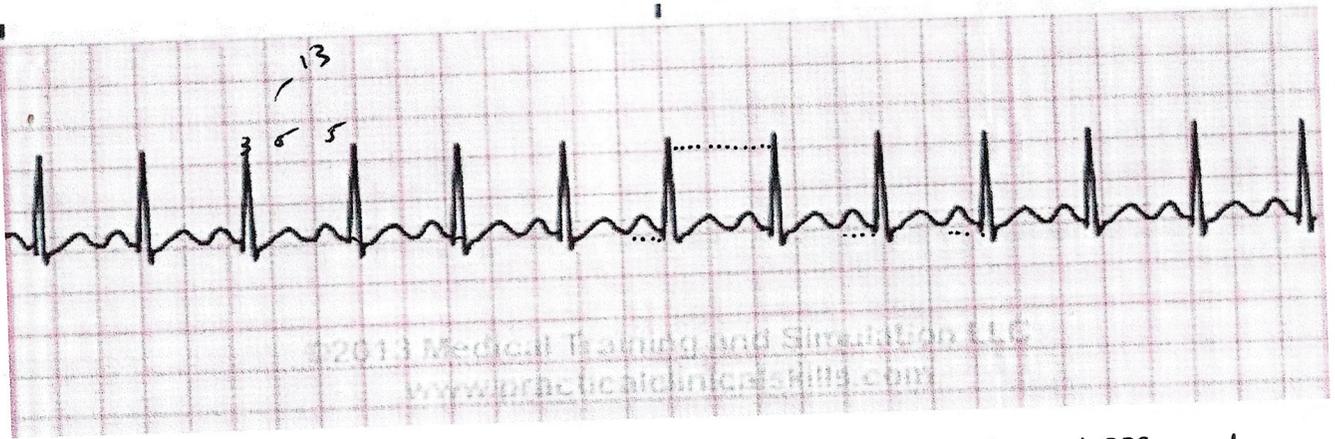
1. Heart Rate 79 bpm Regular or irregular regular P wave before each QRS yes
Between PR (0.12-0.20) normal QRS 0.06-0.12 yes 0.08
consistent
Answer: sinus rhythm



2. Heart Rate 94 bpm Regular or irregular ~~irregular~~ regular P wave before each QRS yes
 Between PR (0.12-0.20) ^{0.16} normal ~~inconsistent~~ QRS 0.06-0.12 0.09 ~~normal~~ normal
 Answer: normal sinus



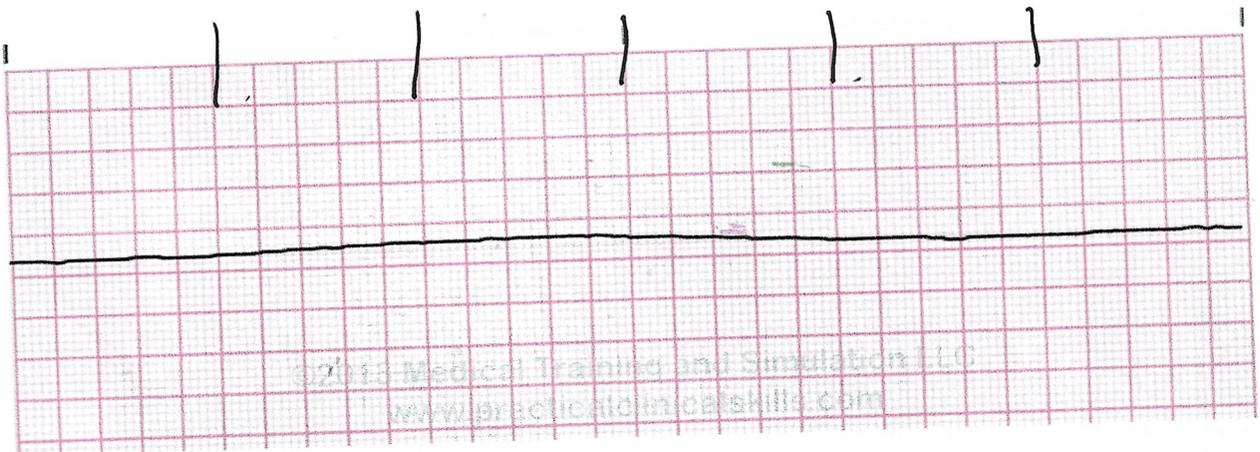
3. Heart Rate 50 bpm Regular or irregular regular P wave before each QRS yes
 Between PR (0.12-0.20) ^{0.20} normal QRS 0.06-0.10 0.08 normal
 Answer: sinus bradycardia



4. Heart Rate 115 bpm Regular or irregular regular P wave before each QRS yes

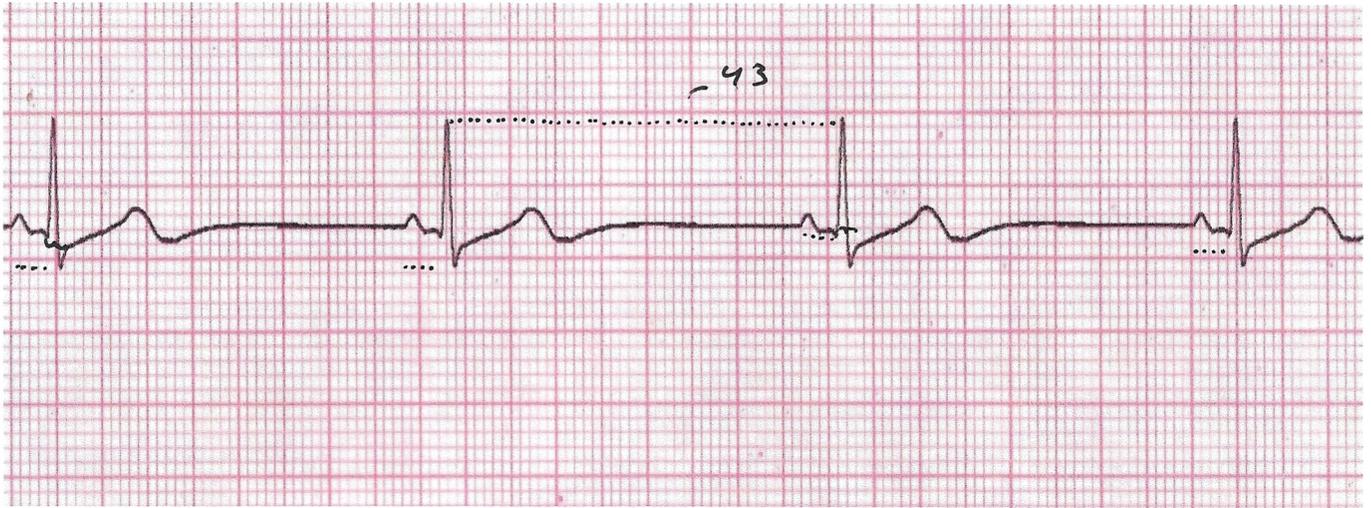
Between PR (0.12-0.20) 0.16 ^{normal} QRS 0.06-0.12 0.09 ^{abnormal}

Answer: sinus tachyp



5. Heart Rate 0 Regular or irregular irregular P wave none

Answer: asystole

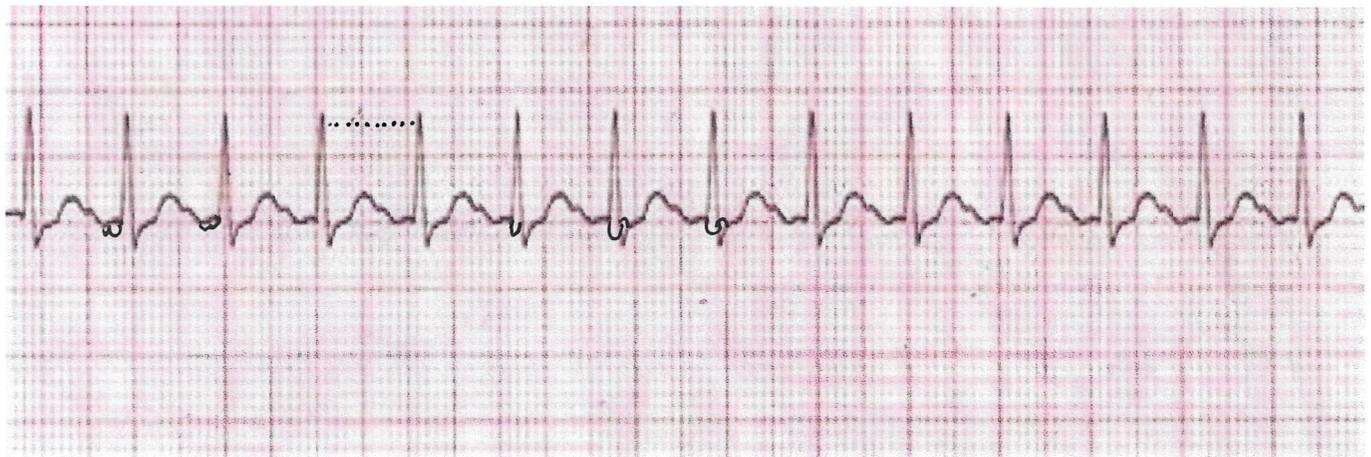


6. Heart Rate 35 bpm Regular or irregular regular P wave before each QRS yes

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

Answer: _____

sinus brady
tachy

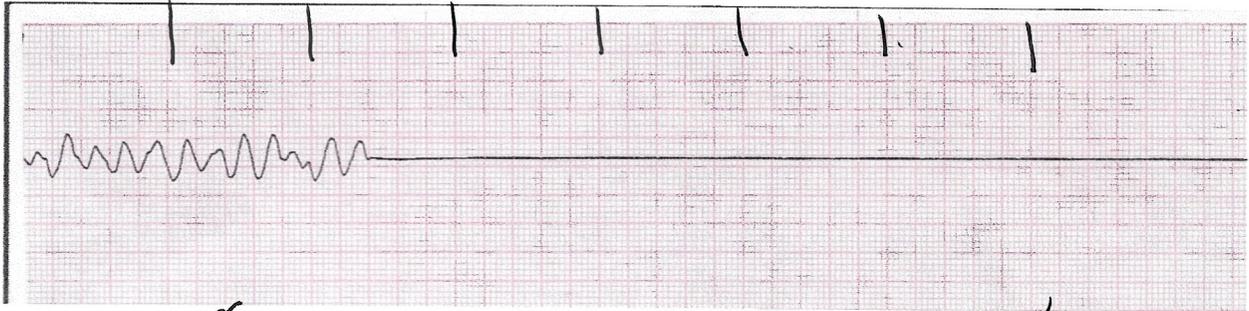


7. Heart Rate 150 bpm Regular or irregular regular P wave before each QRS no

Between PR (0.12-0.20) 0.08 QRS 0.06-0.12 0.05 normal

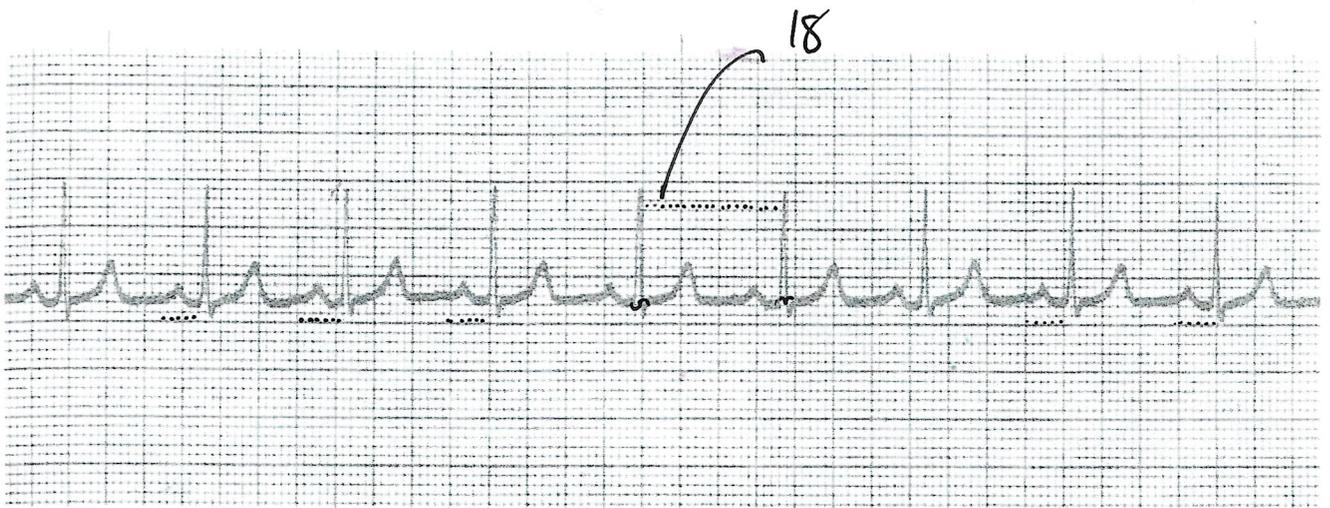
Answer: _____

sinus
tachy



8. Heart Rate Ø Regular or irregular irregular P wave no

Answer: atrial fibrillation

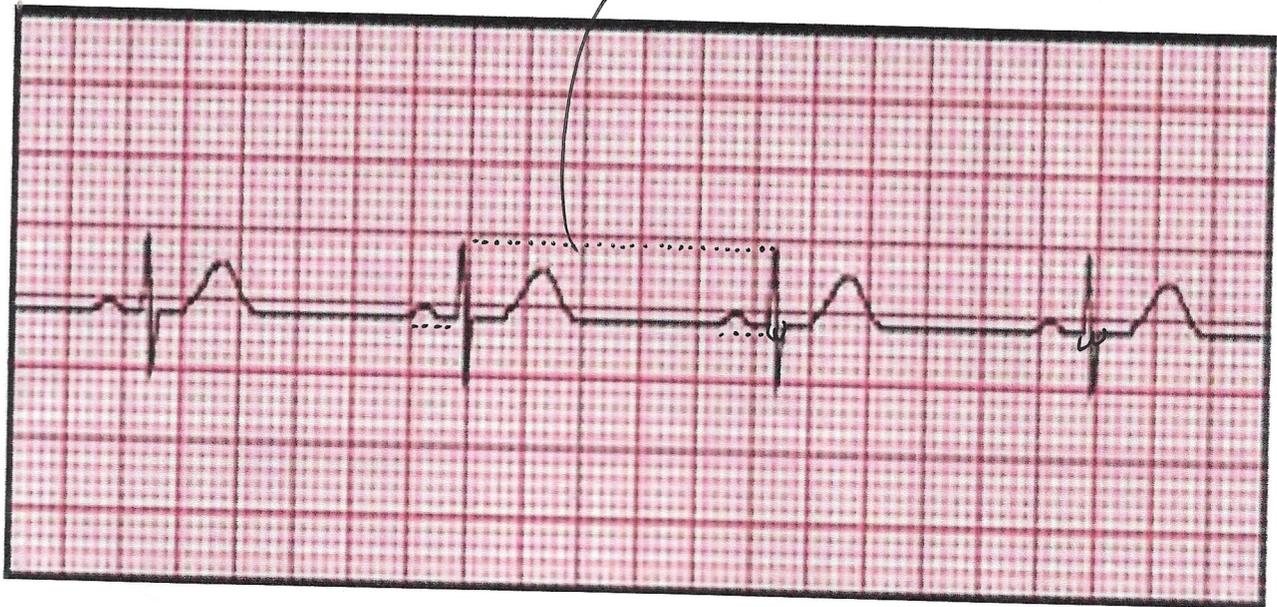


9. Heart Rate 83 bpm Regular or irregular regular P wave before each QRS yes

Between PR (0.12-0.20) 0.20 ^{normal} QRS 0.06-0.12 0.06 ^{normal}

Answer: normal sinus rhythm

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10. Heart Rate 56 bpm Regular or irregular regular P wave before each QRS yes

Between PR (0.12-0.20) 0.14 normal QRS 0.06-0.12 0.08 normal

Answer: _____

sinus brady
w/ hyper acute T waves