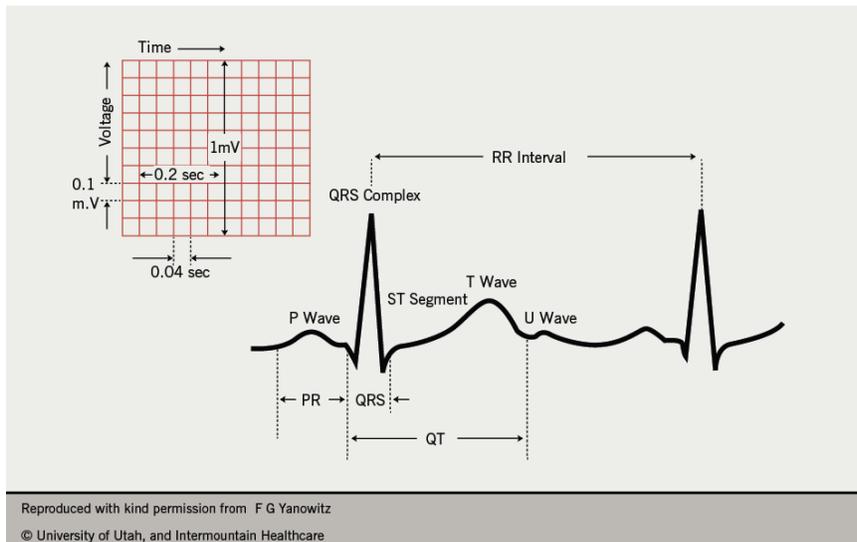
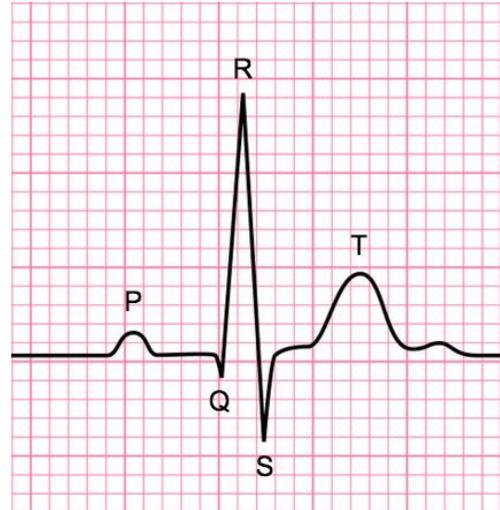
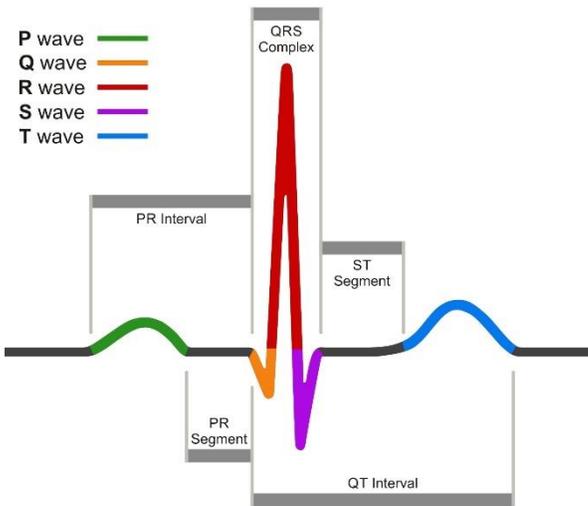


Stawin

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 0.11–0.20 seconds (3–5 small squares)
- QRS complex 0.06–0.10 seconds (1.5–2.5 small squares)
- QT interval 0.36–0.44 (9–11 small squares).

Six Basic Steps for Rhythm Interpretation

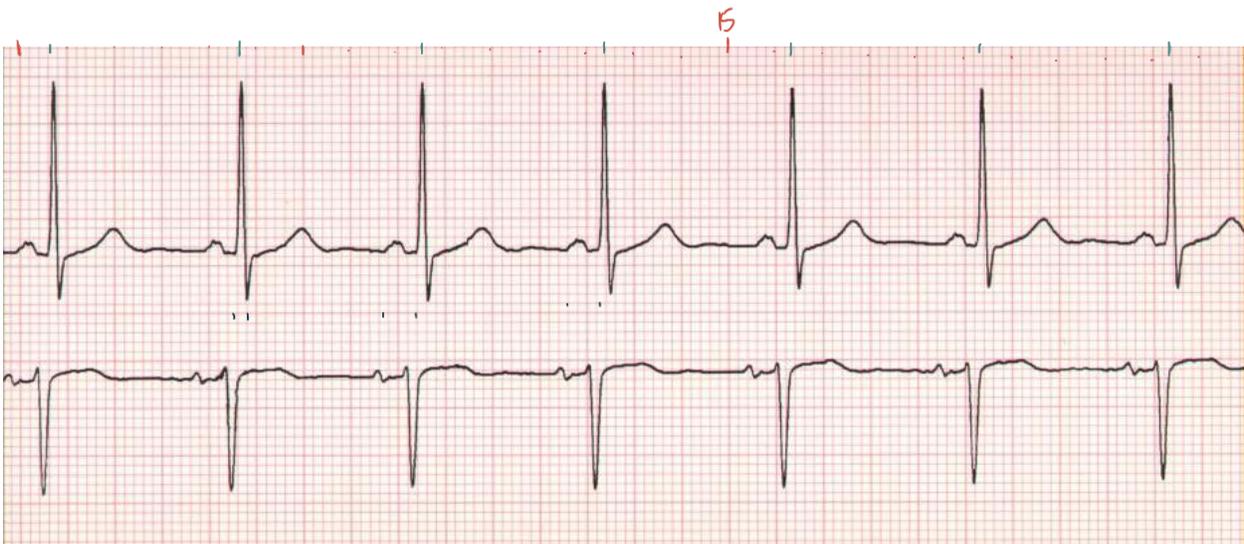
1. Rate: (Calculate the heart rate (HR) or note the HR from the monitor)
2. Regularity: (Measure the regularity or rhythm of the R waves)
3. P-wave Examination: Is there one P wave before each QRS? (there should be)
4. P to R Interval: (Measure the P to R interval - Is it within normal limits? It is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

N321 Adult Health EKG Practice

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

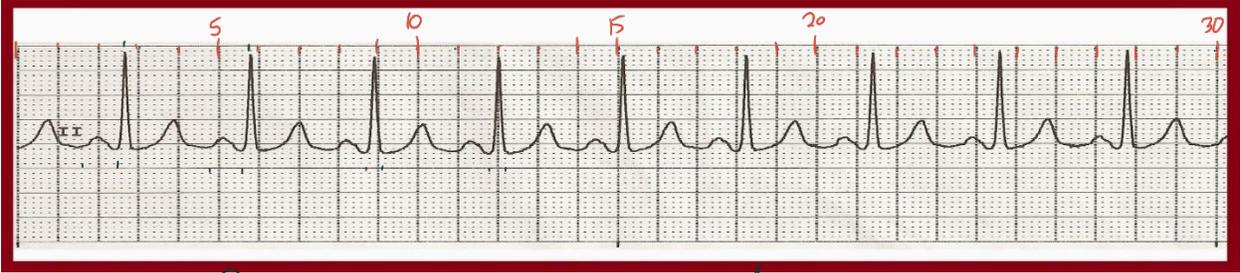
Then answer if Normal sinus rhythm, Sinus Bradycardia, Sinus Tachycardia, Asystole

$$4.5 \times 20 = 90$$



1. Heart Rate 90 Regular or irregular R P wave before each QRS ✓
Between PR (0.12-0.20) 0.16 QRS 0.04-0.10 0.06
Answer: NSR

$$9 \times 10 = 90$$

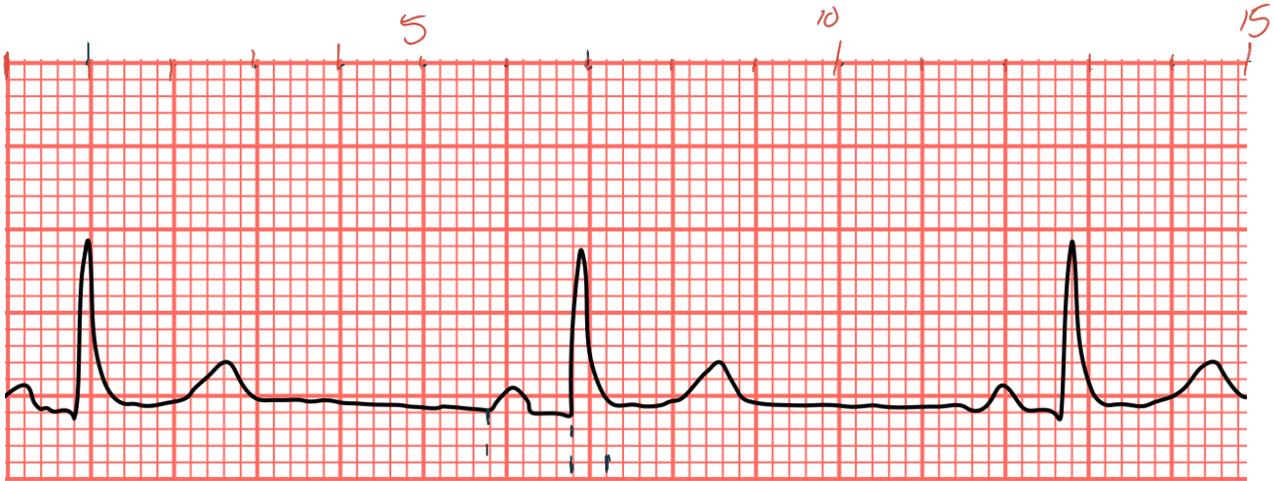


2. Heart Rate 90 Regular or irregular Reg P wave before each QRS yes

Between PR (0.12-0.20) 0.12 QRS 0.04-0.10 0.08

Answer: NSR

$$3 \times 20 = 60$$

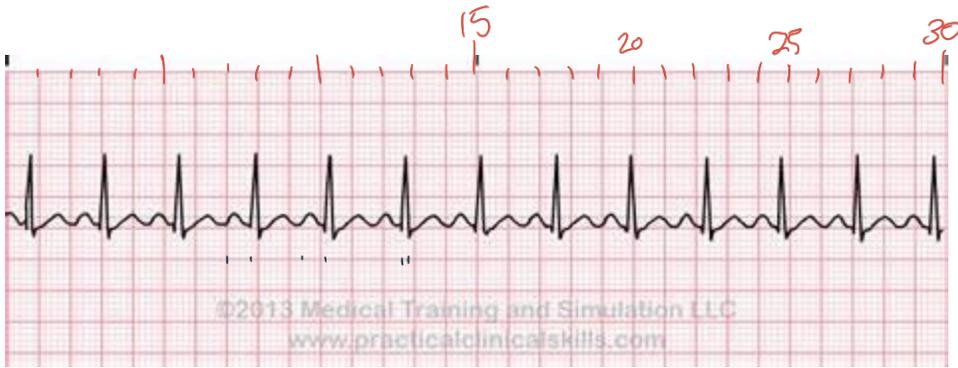


3. Heart Rate 60 Regular or irregular Reg P wave before each QRS yes

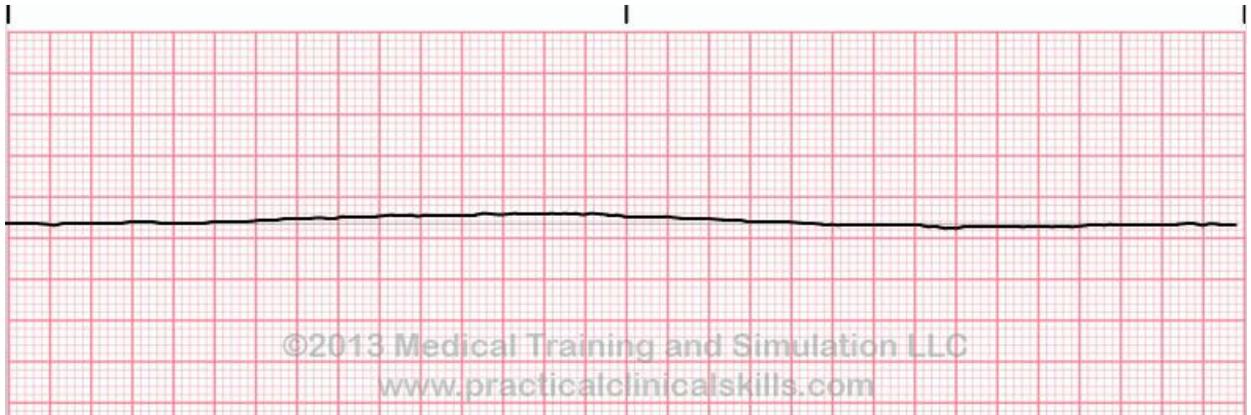
Between PR (0.12-0.20) 0.20 QRS 0.04-0.10 0.05

Answer: NSA

13x10 = 130

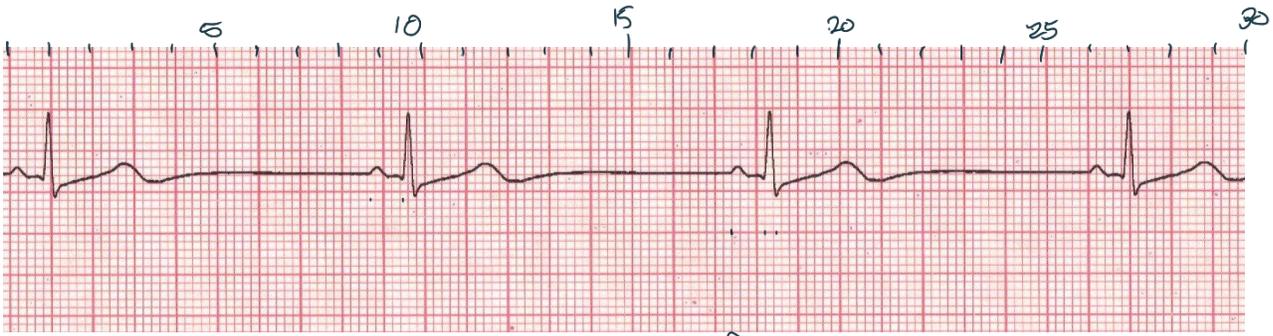


4. Heart Rate 130 Regular or irregular reg P wave before each QRS yes
Between PR (0.12-0.20) 0.16 QRS 0.04-0.10 0.04
Answer: Sinus Tachy Rhythm



5. Heart Rate None Regular or irregular no P wave nah
Answer: Asystole

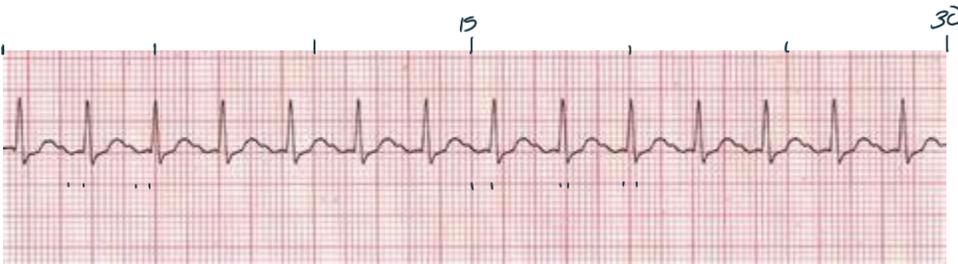
$$4 \times 10 = 40$$



6. Heart Rate 40 Regular or irregular R P wave before each QRS yes
Between PR (0.12-0.20) 0.16 QRS 0.04-0.10 0.06

Answer: Sinus Brady Rhythm

$$14 \times 10 = 140$$



7. Heart Rate 140 Regular or irregular Reg P wave before each QRS yes?
Between PR (0.12-0.20) 0.12 QRS 0.04-0.10 0.05 inverted?

Answer: Sinus Tachycardia



8. Heart Rate 75 Regular or irregular irreg P wave nope

Answer: V-fib → asystole

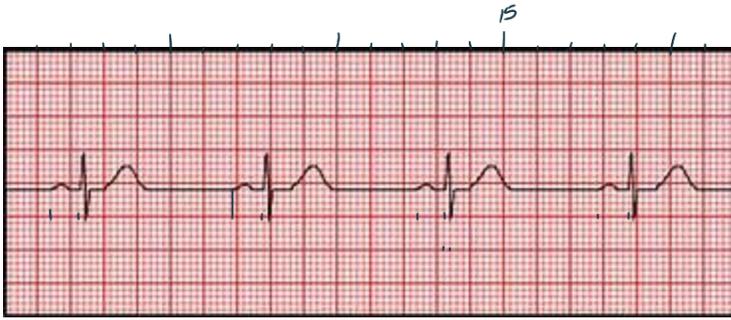


9. Heart Rate 75ish Regular or irregular Regular P wave before each QRS yes

Between PR (0.12-0.20) 0.20 QRS 0.04-0.10 0.04

Answer: NSR

$$3 \times 20 = 60$$



10. Heart Rate 60 Regular or irregular regular P wave before
each QRS yes
Between PR (0.12-0.20) 0.16 QRS 0.04-0.10 0.04
Answer: NSR