

## Rhythm Strips Analysis for Practice

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(12/03/21) - DUC Now (Midnight)

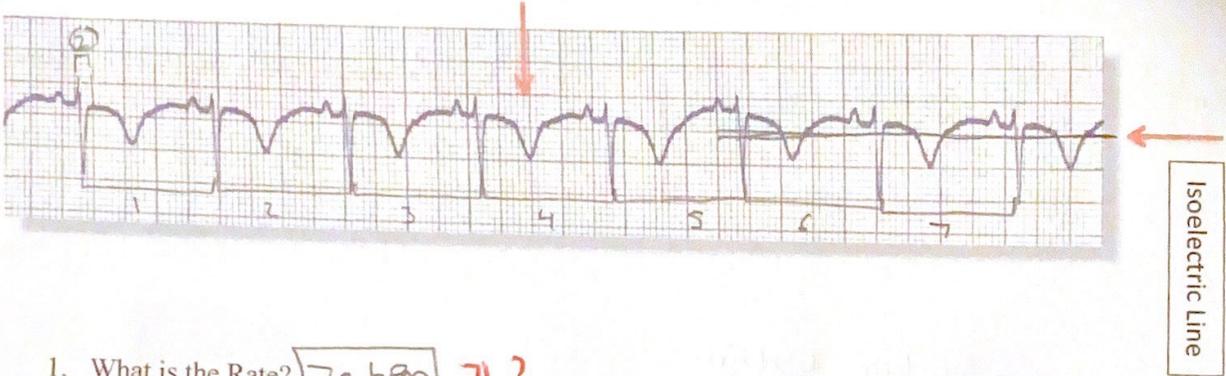
Practice #1:



1. What is the Rate? 70 bpm **65 bpm**  
(Look at the atrial rate: P-P or ventricular rate: R-R)
2. Is there a "P" wave with every "QRS" complex? = Yes
3. What is the width of the "QRS"? = 2 Boxes or 0.08 s
4. What is the length of the "PR" interval? = 5 Boxes 4 small boxes or 16 s
5. What is the rhythm? Regular "Normal sinus rhythm"
6. Any complications with this rhythm? No
7. What interventions are anticipated? None = Assess RISC, Cap Refill, BP, Skin Temp, Color,  
bc could be PEA, If All good = ok  
Rhythm

## Rhythm Strips Analysis for Part I of Intro to EKG

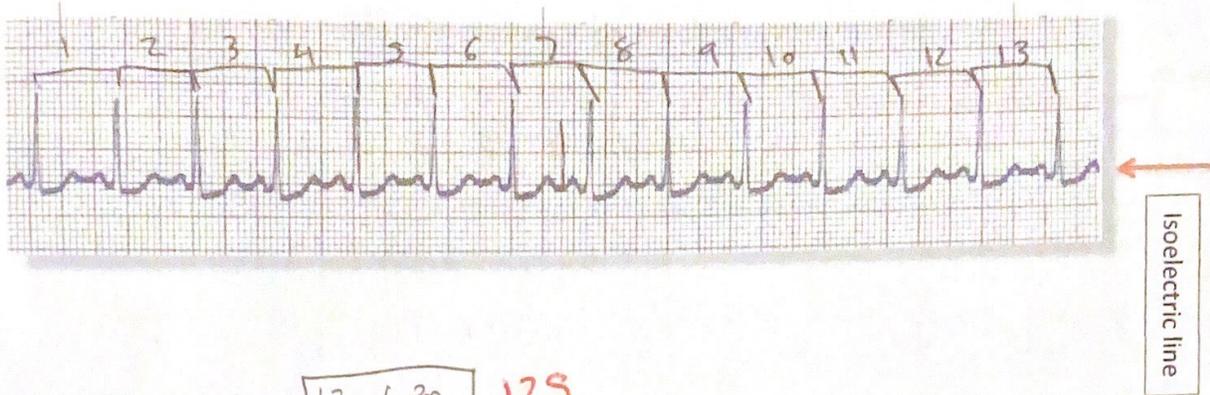
### Practice #2



1. What is the Rate? 70 bpm 71?  
(Look at the atrial rate: P-P or ventricular rate: R-R)
2. Is there a "P" wave with every "QRS" complex? Yes
3. What is the width of the "QRS"? 2 small boxes
4. What is the length of the "PR" interval? 3 1/2 boxes
5. What is the rhythm? Abnormal bc of inverted T wave
6. Any complications with this rhythm? depolarize/repolarize = O<sub>2</sub> → Blood issues Ischemia
7. What interventions are anticipated? Assess pt, listen to heart, O<sub>2</sub>, EKG, call HCP  
+ draw labs, full cardiac assessment

## Rhythm Strips Analysis for Part I of Intro to EKG

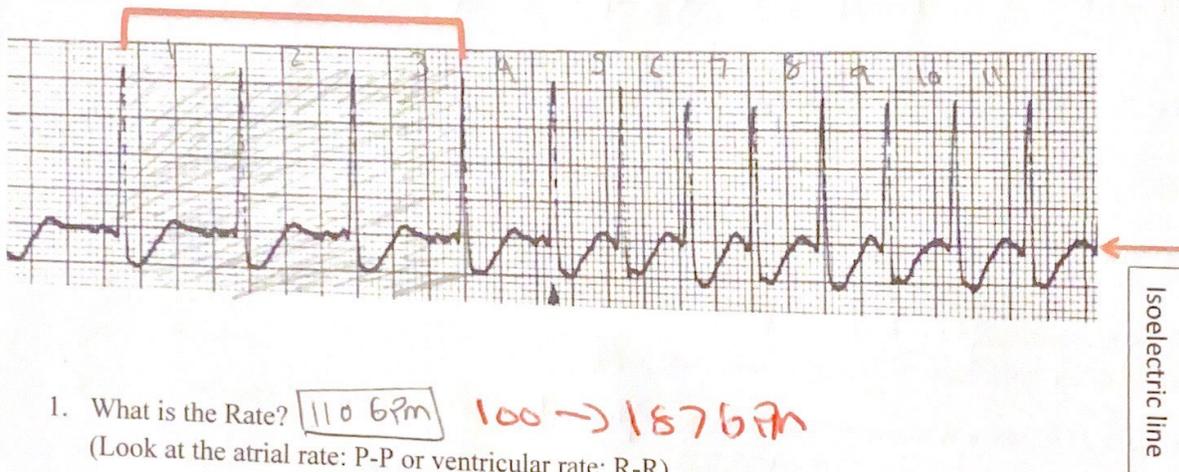
### Practice #3



1. What is the Rate? 130 bpm **125**  
(Look at the atrial rate: P-P or ventricular rate: R-R)
2. Is there a "P" wave with every "QRS" complex? Yes
3. What is the width of the "QRS"? = 3 boxes
4. What is the length of the "PR" interval? 4 boxes
5. What is the rhythm? Sinus Tachycardia w/ slightly depressed "ST" segment
6. Any complications with this rhythm? Dizziness / Dyspnea → loss atrial kick, fill time, progress → ↓
7. What interventions are anticipated? If bc dehydration = Bolus fluids,  
Beta Blockers, Vagal maneuver, any fever / Pain.

## Rhythm Strips Analysis for Part I of Intro to EKG

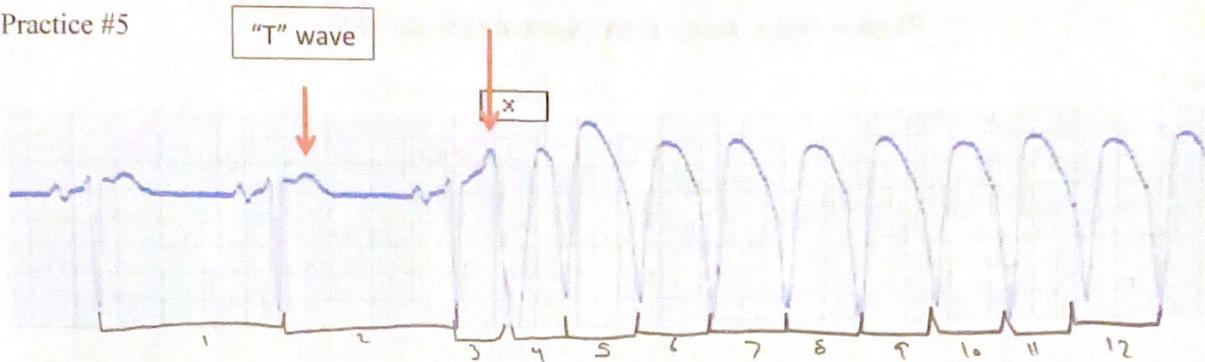
### Practice #4



1. What is the Rate? 110 bpm  $100 \rightarrow 187 \text{ bpm}$   
(Look at the atrial rate: P-P or ventricular rate: R-R)
  2. Is there a "P" wave with every "QRS" complex? Fades away to none
  3. What is the width of the "QRS"? 2.5 boxes
  4. What is the length of the "PR" interval? P wave gone
  5. What is the rhythm? P gone  $\rightarrow$  = Atrial Fibrillation 60  $\rightarrow$  100 bpm  
 $\downarrow$   
w/ rapid ventricular response
  6. Any complications with this rhythm? loss Atrial contraction,  $\downarrow$  CO,  $\downarrow$  O<sub>2</sub> to blood, risk of stroke, etc.
  7. What interventions are anticipated?
    - Antidysrhythmics (Amiodarone and Ibutilide)
    - Anticoagulation
    - Electrical Cardioversion
- ] stable pt  
] unstable pt

## Rhythm Strips Analysis for Part I of Intro to EKG

Practice #5



1. What is the Rate?

(Look at the atrial rate: P-P or ventricular rate: R-R)

? 64 75 bpm, -JVTAC  
150 to 230 bpm

2. Is there a "P" wave with every "QRS" complex? (4 yes), focus to NO

3. What is the width of the "QRS"? S Box → Abnormal

4. What is the length of the "PR" interval? ?

5. What is the rhythm? Ventricular Tachycardia

6. Any complications with this rhythm? Ectopic foci take over as Pacemaker

↓ CO, perfusion, SBP ↓

7. What interventions are anticipated?

• Antidysrhythmics (Amiodarone), Stable pt

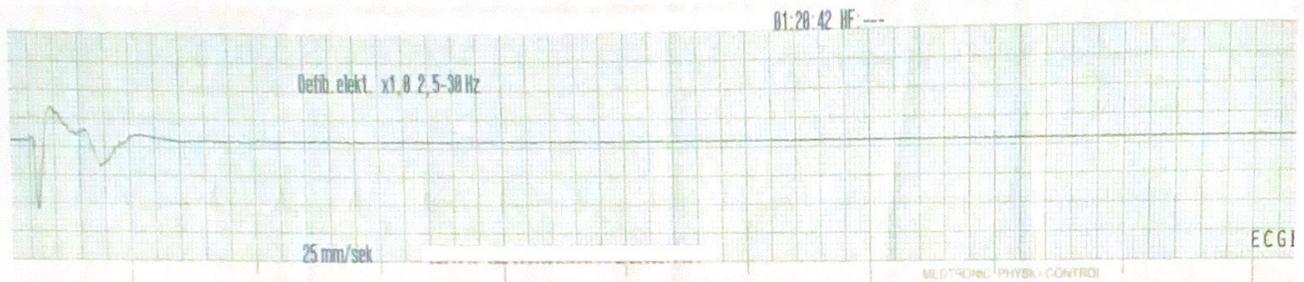
• Cardioversion unstable pt

⊗ Pulseless → CPR + Rapid defibrillation (ER to cath lab if possible)

unstable pt

## Rhythm Strips Analysis for Part I of Intro to EKG

### Practice #6



1. What is the Rate?  $\emptyset$   
(Look at the atrial rate: P-P or ventricular rate: R-R)
2. Is there a "P" wave with every "QRS" complex? **No**
3. What is the width of the "QRS"? **None**
4. What is the length of the "PR" interval? **None**
5. What is the rhythm? **asystole**
6. Any complications with this rhythm? **Fetal**
7. What interventions are anticipated?

⊛ First check rhythm in more than one lead ⊛

**Do not defibrillate!**

↓  
Immediate CPR IACLS

↓  
Epinephrine and / or Vasopressin

↓  
Intubation

## Rhythm Strips Analysis for Part I of Intro to EKG

### Practice #7



1. What is the Rate? 100 bpm
2. Is there a "P" wave with every "QRS" complex? abnormal P waves, f-waves
3. What is the width of the "QRS"? 2.5 boxes
4. What is the length of the "PR" interval? none, flutters now
5. What is the rhythm? Atrial Flutter
6. Any complications with this rhythm? Risk of stroke, ↓CO, HF. + PE, Thrombus
7. What interventions are anticipated?
  - Synchronized cardioversion (unstable et) / < 48 HRS
  - (Anticoagulation + Amiodarone) (stable) / > 48 HRS

## Rhythm Strips Analysis for Part I of Intro to EKG

### Practice #8



1. What is the Rate? 60 Bpm **60**  
(Look at the atrial rate: P-P or ventricular rate: R-R)
2. Is there a "P" wave with every "QRS" complex? yes
3. What is the width of the "QRS"? 14 small boxes
4. What is the length of the "PR" interval? 12 small boxes
5. What is the rhythm? 1st ° Heart Block **w/ "ST" elevation → MI ⚠**
6. Any complications with this rhythm? prolonged PR interval **→ ST elevation = Death/Fatal**
7. What interventions are anticipated?
  - Pacemaker **→ within cath Lab ✓**
  - **Dugs ↑ HR (Atropine maybe) ✓**