

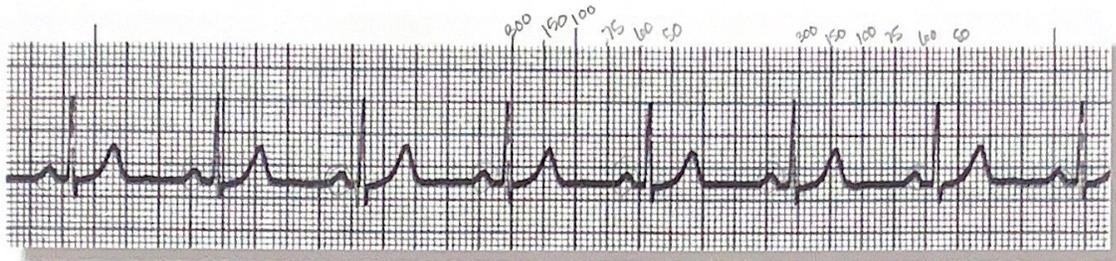
Sydney SHARP

Small square = 0.04 sec
2mm

Rhythm Strips Analysis for Practice

Large square 0.2
5mm

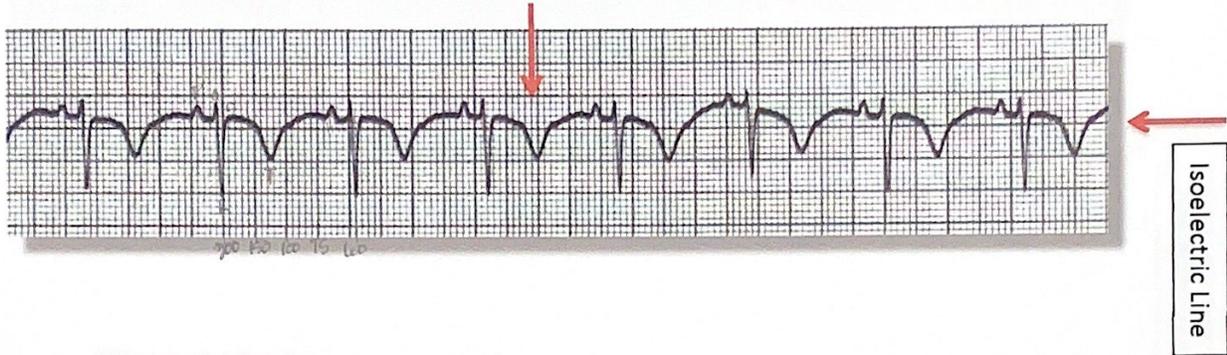
Practice #1:



1. What is the Rate? *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"? *2 small x 0.04*
0.08 sec
4. What is the length of the "PR" interval? *5 small*
x 0.04 = 0.2 sec
5. What is the rhythm?
NORMAL SINUS Rhythm
6. Any complications with this rhythm?
None
7. What interventions are anticipated?
continue to monitor patient for any changes in rhythm
monitor vitals to make sure rhythm isn't mistaken for pulseless
electrical activity

Rhythm Strips Analysis for Part I of Intro to EKG

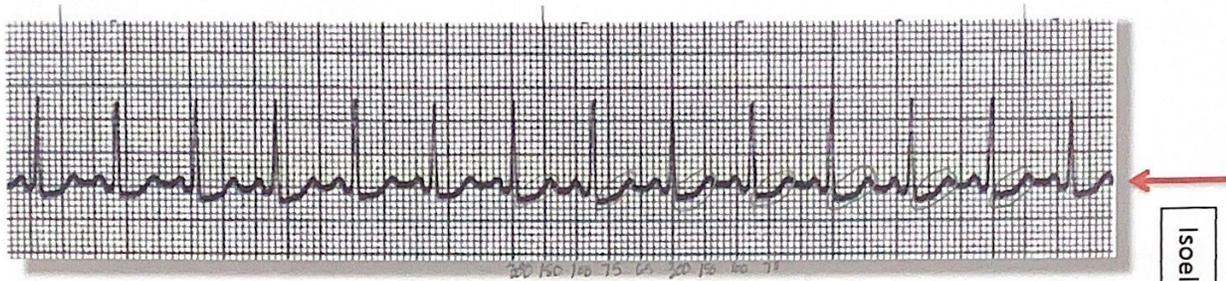
Practice #2



1. What is the Rate? 70
(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"? *3-4 small*
0.12s
4. What is the length of the "PR" interval? *4 x 0.04*
0.16
5. What is the rhythm?
sinus Rhythm with inverted T wave
6. Any complications with this rhythm?
MYOCARDIAL ISCHEMIA
7. What interventions are anticipated?
Apply oxygen to the patient
12 lead EKG
Cardiac assessment
Draw labs
Notify Physician
monitor for any ST changes

Rhythm Strips Analysis for Part I of Intro to EKG

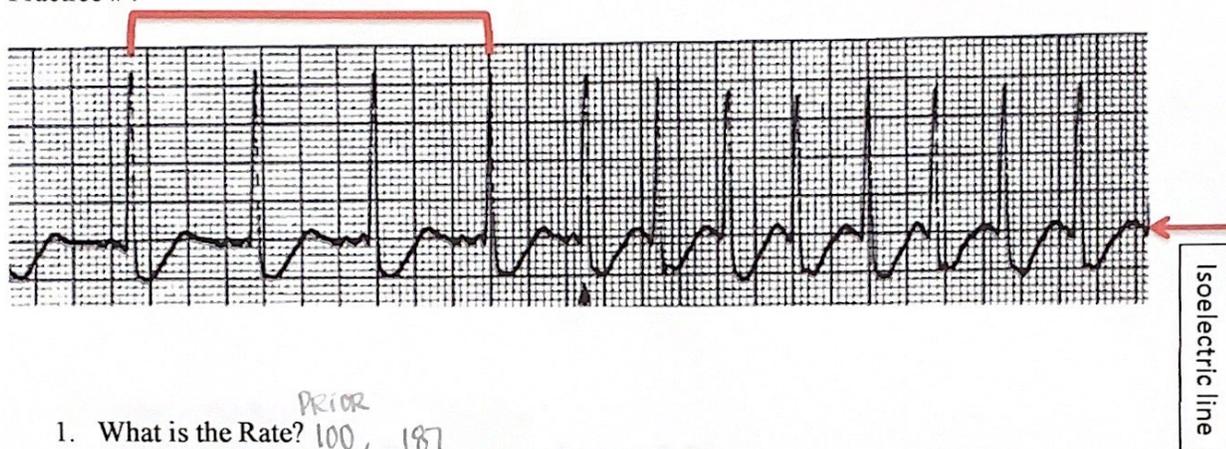
Practice #3



1. What is the Rate? 120
(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
0.8 sec $\times 0.04$
4. What is the length of the "PR" interval? 2×0.04
0.12 sec
5. What is the rhythm?
Sinus Tachycardia, ST depression
6. Any complications with this rhythm?
Ischemia possible, Chambers not filling OR emptying appropriately
7. What interventions are anticipated?
Treat the cause (pain, fever, hypovolemia, anxiety, stress)
Vagal maneuver, deep breath and cough - stable pt
Beta blockers to \downarrow HR \rightarrow \downarrow myocardial oxygen consumption

Rhythm Strips Analysis for Part I of Intro to EKG

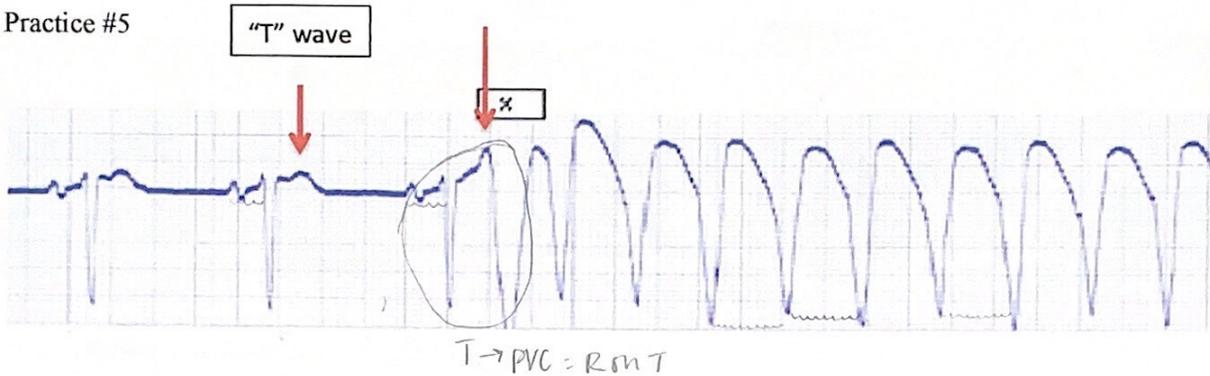
Practice #4



1. What is the Rate? ^{PRior} 100, 187
(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"? 2 small
0.8 sec
4. What is the length of the "PR" interval?
There is no PR interval, no p-wave
5. What is the rhythm?
Atrial fibrillation with RVR
6. Any complications with this rhythm?
RISK FOR STROKE due to atria not emptying/blood stasis, decreased CO
7. What interventions are anticipated?
Unstable patient - Cardioversion
Stable patient - control ventricular rate with calcium channel blockers,
beta blockers, OR amiodarone
Anticoagulation

Rhythm Strips Analysis for Part I of Intro to EKG

Practice #5



1. What is the Rate? $60^?$ 75 bpm
(Look at the atrial rate: P-P or ventricular rate: R-R)
2. Is there a "P" wave with every "QRS" complex?
Yes, before VTach began
3. What is the width of the "QRS"? 5 small before
0.12 before, 0.32 after 8-9 small after
4. What is the length of the "PR" interval?
0.16 - 0.2 sec 4-5 small
5. What is the rhythm?
R on T causing VTach
6. Any complications with this rhythm?
Decreased CO and perfusion, PE, Hypotension, ↓ cerebral blood flow,
CARDIOPULMONARY ARREST
7. What interventions are anticipated?
Stable patient - Vagal maneuver (cough, barett)
 - Unstable - ACLS protocol, CPR - first line
 - defibrillation
 - VASOPRESSORS - Epi
 - Amiodarone

Rhythm Strips Analysis for Part I of Intro to EKG

Practice #6



1. What is the Rate? *0 check pt and leads*
(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" complex?
0.20 sec
4. What is the length of the "PR" interval?
NO, no p wave
5. What is the rhythm?
Asystole
6. Any complications with this rhythm?
Death
7. What interventions are anticipated?
ASSESS pt and lead placement, IS pt Responsive
CPR/ACLS protocol
ASSESS Rhythm in more than one lead
Do not defibrillate
Epinephrine, VASOPRESSIN

Rhythm Strips Analysis for Part I of Intro to EKG

Practice #7



1. What is the Rate? 100
(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"? 1-2
0.04 - 0.08 sec
4. What is the length of the "PR" interval?
NOT MEASURABLE, NO PR INTERVAL
5. What is the rhythm?
Atrial flutter
6. Any complications with this rhythm?
INCREASED RISK FOR STROKE, ↓ CO, PE,
7. What interventions are anticipated?
UNSTABLE - CARDIOVERSION
Stable - anticoagulant (WARFARIN) TO REDUCE CLOT FORMATION
and REDUCE RISK FOR STROKE and PE

Rhythm Strips Analysis for Part I of Intro to EKG

Practice #8



1. What is the Rate? 70
(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"? 3-4 small
0.12 sec
4. What is the length of the "PR" interval? 13 small
0.52
5. What is the rhythm?
first degree heart block with ST elevation
6. Any complications with this rhythm?
MI, death
7. What interventions are anticipated?
Prompt intervention
Cath lab to identify and resolve blockage