

Basic ECG Interpretation Challenge Exam

Name:	
Site:	
Unit/Dept:	
Educator:	
Date:	



Directions:

This is an open book exam. You may use an ECG ruler, calipers and algorithm.

Note: Images may not be to scale so please use the small box method to calculate intervals and rates.

Please include **all** of the following information for each ECG strip:

- atrial and ventricular rate (number of beats within 5 bpm)
- rhythm's regularity (reg/irreg)
- presence of a P wave
- length of the PRI if applicable (within 0.04 sec)
- width of QRS complex (within 0.04 sec)
- an interpretation of the rhythm

You may also be required to answer the following:

- nursing interventions for the rhythm
- any medical interventions you may anticipate

Please ensure your name and area of work is included on the front page. Your exam will be marked and reviewed with you by your educator.

A minimum grade of 80% is required to complete the course. If 80% is not achieved, you will work collaboratively with your educator to develop a learning plan.

Total of 28 marks

System	Signs/symptoms
CNS	
cvs	
Resp	
GI	
GU	
Skin	
escribe the difference between	en a premature beat and an escape beat in relation to the primary
pacemaker of the heart: 1 ma	en a premature beat and an escape beat in relation to the primary ark. or each of the following: 1 mark
ecord the average PM rate for	ark.
pacemaker of the heart: 1 ma	ark.

Interpret the following strips and answer the corresponding questions:

1 mark



 Atrial Rate: ______ Vent Rate_____ Reg: _____ P wave: _____ PRI:_____

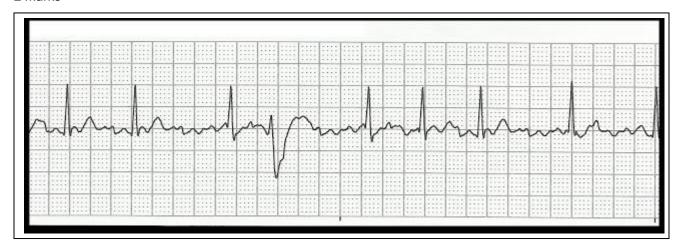
 QRS: ______ ST segment_____ Interpretation_____



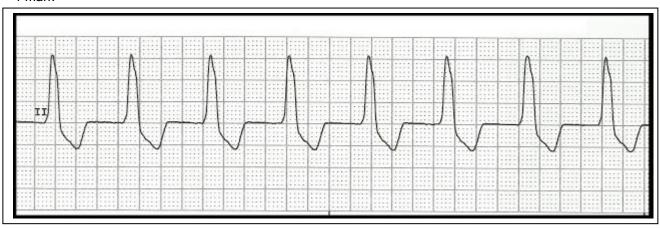
2 marks

Atrial Rate: _	Vent Rate	Reg:	_ Irreg	P wave:	PRI:
QRS:	_ ST segment	Interpretation			
Would this pa	tient show signs & sy	mptoms of decrea	sed cardiac	output? Yes or No	(please circle one)
Please explai	n your answer to the a	above questions:_			
Nursing Interv	ventions:				

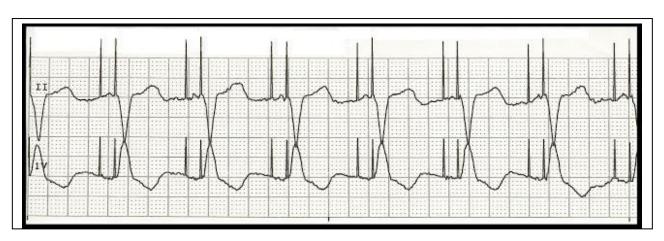
2 marks



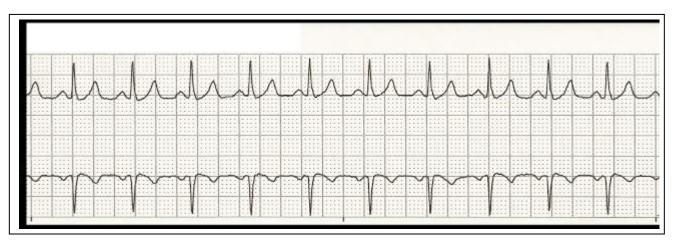
Atrial Rate: _	Vent Rate	Reg:	_ Irreg	P wave:	PRI:							
QRS:	ST segment	Interpretation										
Would this pa	atient show signs & sy	mptoms of decreas	sed cardiac	output? Yes or No	(please circle one)							
Please explain your answer to the above questions:												
Nursing Inter	ventions:											
Anticipated M	ledical Interventions:											
•	_											



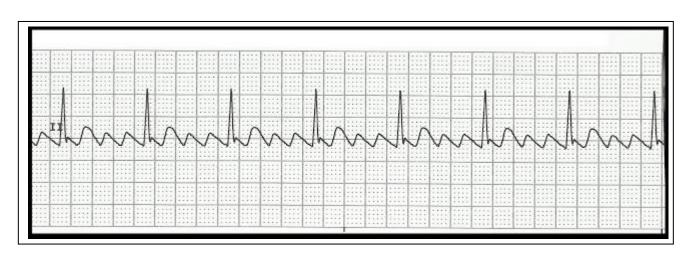
Atrial Rate:	Vent Rate	Reg:	Irreg	P wave:	PRI:
QRS:	ST segment	_Interpretation			



Atrial Rate:	Vent Rate	Reg:	Irreg	P wave:	PRI:
QRS:	ST segment	_Interpretation			

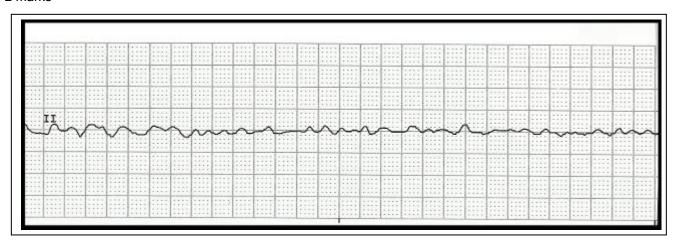


Atrial Rate:	Vent Rate	Reg:	Irreg	P wave:	PRI:
QRS:	ST segment	_Interpretation			
What are the p	ossible causes of this	rhythm:			



Atrial Rate:	Vent Rate	Reg:	Irreg	P wave:	PRI:
QRS:	_ ST segment	_Interpretation			

2 marks



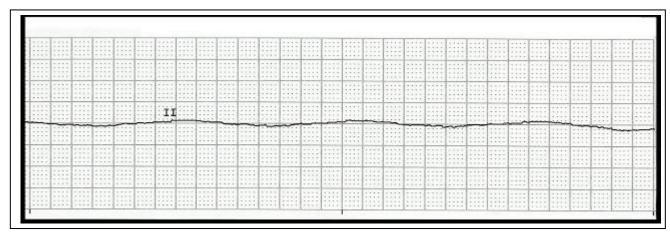
Atrial Rate:	Vent Rate	Reg:	_ Irreg	_ P wave:	PRI:							
QRS:	_ST segment	Interpretation										
Would this patient show signs & symptoms of decreased cardiac output? Yes or No (please circle one)												
Please explain your answer to the above questions:												
Nursing Interv	entions:											

2 marks

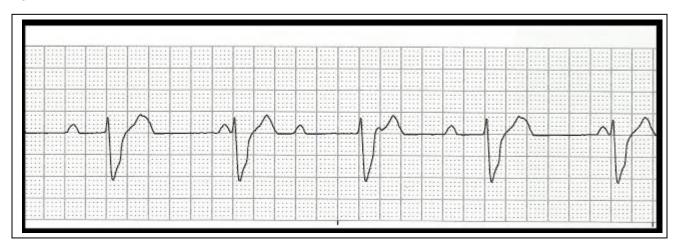
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Atrial Rate:	Vent Rate	Reg:	_ Irreg	_ P wave:	_ PRI:						
QRS:	_ ST segment	Interpretation									
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Please explain your answer to the above questions:											

2 marks



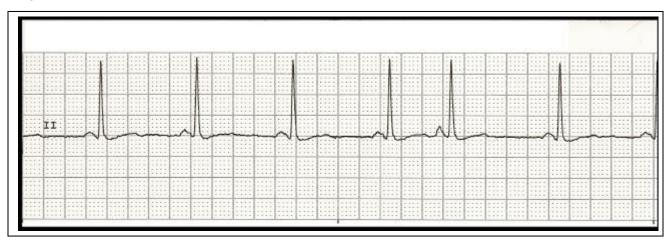
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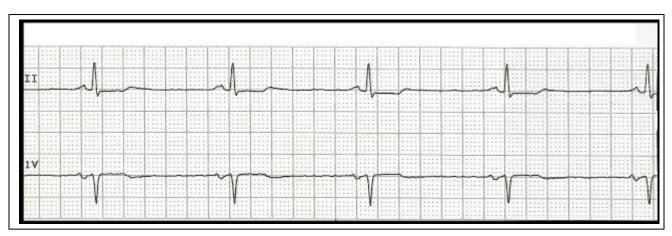
Atrial Rate:	Vent Rate	Reg:	Irreg	P wave:	PRI:
QRS:	ST segment	_Interpretation			



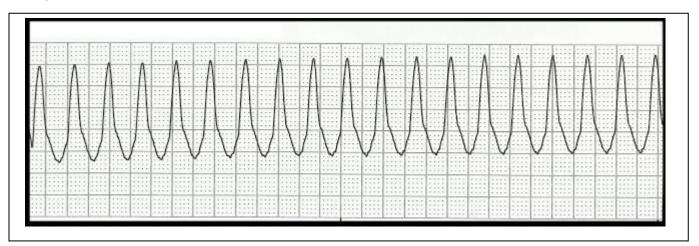
Atrial Rate:	Vent Rate	Reg:	Irreg	P wave:	PRI:
QRS:	ST segment	_Interpretation			



Atrial Rate:	Vent Rate	Reg:	_ Irreg	P wave:	PRI:	
QRS:	ST segment	Interpretation				



Atrial Rate:	Vent Rate	Reg:	_ Irreg	P wave:	PRI:	
QRS:	_ ST segment	Interpretation				



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