Hwys. 50 and 67 Lake Geneva, WI 53147

mercyems.org

Mercyhealth CME Lecture Quiz November 2022: Physiology

Provider Name	Provider Level	Primary Agency
Questions 1-7 E	MR/EMT	
Questions 1-10		
Questions 1-12		
1 Which	of the following statements regarding control	of blood processing is porrect?
	of the following statements regarding control .P = CO + SVR	of blood pressure is correct?
	= HR - SV P = MAP - ICP	
	P = MAP - DBP	
D. 361	- IVIAF - DDF	
2. When t	ransporting a patient with a hypertensive cris	sis, what position should the patient
be tran	sported in?	
A. Sup	vine	
	ad of bed elevated 30 degrees	
	t lateral recumbent	
D. He	ad of bed elevated 10 degrees	
3. A patie	nt presenting with signs of Cushings Reflex (H	ypertension, Bradycardia, and
•	ar respirations) is most indicative of which phy	
_	reased intracranial pressure	, 3
	creased mean arterial pressure	
	diac tamponade	
D. Inc	reased cerebral perfusion pressure	
4. Where	in the body do we store Glycogen?	
	ncreases	
B. Sto	mach	
	lbladder	
D. Live		
5. Which	of the following lessens the degree of perceiv	ed shock within a tissue?
	ootension	
•	placed oxygen from hemoglobin	
	oconstriction	
D. Hy		
6. Which	of the following is a life-saving interventions s	should be performed as part of the
	survey, when indicated?	, , , , , , , , , , , , , , , , , , , ,
•	ad to toe exam	

B. Blood glucose checkC. Obtain 12-lead EKG

D. Application of pelvic binder



Hwys. 50 and 67 Lake Geneva, WI 53147

mercyems.org

7. The valsalva maneuver would most appropriate in a symptomatic yet stable adult patient with a heart rate at which of the following?

A. Below 40

making lives better.

* Mercy

- B. Above 150
- C. 60 to 100
- D. Above 220
- 8. Which of the following statements about diabetics is correct?
 - A. Use caution in giving DKA and HHS patients any IVF
 - B. Glucagon causes release of Insulin stores from the liver
 - C. Initial dosage of D10 is 125ml in adults and 10ml/kg in PEDS
 - D. Kussmaul's respirations is due to metabolic alkalosis
- 9. What is the primary purpose of giving IV crystalloid fluids (normal saline or lactated ringers) to a patient in shock?
 - A. Provide intravascular volume repletion
 - B. Increase the BP to 120/80
 - C. Dilute clotting factors and fix acidosis
 - D. Improve the oxygen-carrying capacity of the blood
- 10. Nitroglycerine is helpful in the treatment of CHF in setting of a hypertensive emergency due which of the following?
 - A. Systemic venoconstriction
 - B. Coronary artery vasodilation
 - C. Reduction of heart rate
 - D. Increase in heart contractility
- 11. In patients with severe metabolic acidosis, the target EtCO2 level will fall within what range?
 - A. 35-45
 - B. Above 50
 - C. Below 35
 - D. 40-50
- 12. A patient with very symptomatic yet hemodynamically stable atrial fibrillation with RVR and a known history of WPW should be given which of the following treatment measures?
 - A. Amiodarone
 - B. Syncronized cardioversion
 - C. Diltiazem
 - D. Adenosine