GRACE Staffing Inc.

ICU Test

1. Which of the following would not decrease pulmonary vascular congestion in pulmonary edema?
   - Diuretics
   - High fowler's position
   - Morphine sulfate
   - Propanolol (Inderal)
2. Dopamine at high doses (over 10 mcg/kg/min, pure alpha effect) will begin to:
   - Increase urinary output
   - Increase contractility
   - Cause vasoconstriction
   - Increase the cardiac output
3. Pulmonary capillary wedge pressure
   - Is usually slightly below the pulmonary diastolic pressure (normally 4-12 mmHg)
   - Indicates right atrial pressure
   - Is normally between 35 and 45
   - Can be directly assessed by evaluation of the neck veins
4. Indications for pacing include
   - Sick sinus syndrome, HR 30 with symptoms of lightheadness
   - Right bundle branch block
   - Left anterior hemiblock
   - Type 1 second-degree block
5. Which of the following is and estimate of right ventricular preload?
   - Pulmonary capillary wedge pressure
   - Central venous pressure
   - Coronary sinus pressure
   - Pulmonary artery mean pressure
6. Afterload is estimated by which parameter?
   - CVP (central venous pressure)
   - PCWP (pulmonary capillary wedge pressure)
   - SV (stroke volume)
   - SVR (systemic vascular resistance)
7. You are taking care of a 63 year old with CAD who was diagnosed with an anterior MI. he has been in sinus rhythm all day. You look at the monitor and he is in ventricular tachycardia. He asks why you are so concerned about him. He has a pulse. Your first actions should be:
   - call for help, start chest compressions
   - call for help, give lidocaine 1.5 mg/kg IVP
   - check a blood pressure, defibrillate immediately
   - call a physician
8. What is the preferred first treatment for ventricular fibrillation?
   - CPR
   - Lidocaine 1.5 mg/kg
   - Synchronized cardio version with50 to 100 joules

- Defibrillation with 200 to 300 joules

9. The physician orders the nitroglycerin to run at 50 mcg/minute. For a concentration bottle of nitroglycerin of 25 mg in 250 cc of D5W, calculate your pump rate.
   - 300 cc/hr
   - 45 cc/hr
   - 30 cc/hr
   - 15 cc/hr
10. Your patient has been ordered Dopamine at 3 mcg/kg/min. Her body weight is 70 kg. The concentration of the bad of Dopamine is 400 mg in 250 cc D5W. At what rate will you set your pump? Chose the closest whole number.
    - 20 ml/hr
    - 15 ml/hr
    - 8 ml/hr
    - 3 ml/hr
11. Which of the following is on danger of abdominal aortic aneurysm (AAA) repair which you will monitor the patient for post-operatively?
    - Obstruction of renal blood flow causing decreased urine output
    - Interference with coronary diastolic filling causing an increased cardiac output
    - Creating of pulmonary emboli
    - Pericardial tamponade
12. Possible complications of mechanical ventilation include
    - High cardiac output
    - Barotraumas
    - Negative water balance
    - Polyuria
13. A patient with severe hyperkalemia (k> 7.0)
    - Will exhibit a shortened ST segment
    - Can be treated by insulin, glucose, and Kayexalate
    - May have hyperparathyroidism
    - Is likely to have resultant alkalemia
14. Which of the following is NOT recommended for the treatment of hyperkalemia?
    - Kayexalate
    - Glucose/insulin infusion
    - Dialysis
    - Ammonium chloride
15. Which of the following would be most likely to be contraindicated in a patient with increased intracranial pressure?
    - Osmotic diuretics
    - Steroids
    - Fluid limitation
    - Flat position
16. A 28-year-old male is admitted to the ICU with diagnosis of closed head injury. The nurse should be aware of which potential complications?
    - Hypotension

- Respiratory alkalosis
- Tremors
- Cerebral edema

17. Status epilepticus is primarily dangerous fro which of the following reasons?
    - Loss of cerebral oxygenation
    - Respiratory distress
    - Hemodynamic deterioration
    - Development of skeletal muscle damage
18. Intensive care nurses are being advised to get the hepatitis A and B vaccines because of the association with
    - Patients admitted with acute hepatitis
    - Contact with potentially contaminated blood products
    - Contact with contaminated water
    - Contact with contaminated food
19. In the acute phase of implementing the insulin drip, you would monitor this patient's blood sugars
    - Every hour
    - Every four hours
    - Every fifteen minutes
    - Before meals and before bedtime
20. The insulin drip is running at 5 units/hour via pump. Your patient's blood sugar last hour was 350, it is now 50. What action do you take at this time?
    - Leave the insulin drip running at 5 units/hr
    - Decrease the insulin drip to 2 units/hr and check again in 1 hour
    - Turn off the insulin drip, give an amp of D50W and call the MD
    - Turn off the insulin drip and check a blood sugar next hour

Total score:_____
Passing score:_____
Evaluator:_____