

Sree Chitra Tirunal Institute for Medical Sciences & Technology,

Thiruvananthapuram-695011

Written test: MFCP –Staff Nurse A to B

27th Jun, 2014

Roll Number:

1. Choose the false statement related to management of patients with ruptured cerebral aneurisms
 - a) Monitor vital signs for hypertension & dysrhythmia
 - b) Take rectal temperature only
 - c) Give stool softeners to prevent straining for stool
 - d) Limit invasive procedures.
2. Bell's palsy is the paralysis of the _____ nerve
 - a) Trigeminal nerve
 - b) Facial nerve
 - c) Optic nerve
 - d) Oculomotor nerve
3. Mr X has taken NPH Insulin at 8am. Its effect starts
 - a) Between 8 30am - 9am
 - b) Between 9am-10am
 - c) Between 10am and 11am
 - d) Between 2pm 3pm
4. To meet the safety needs of a patient who has received thrombolytic therapy, the nurse should
 - a) institute protective isolation
 - b) maintain complete bed rest
 - c) limit intramuscular injections
 - d) supply firm-bristled toothbrush
5. Common manifestation of acute left ventricular failure is----
 - a) Dependent edema
 - b) Dyspnoea and cough with frothy sputum
 - c) Chest pain
 - d) Sudden loss of consciousness
6. Complications of atrial fibrillation is caused by
 - a) Stasis of blood
 - b) Increased cardiac output
 - c) Irregular rhythm
 - d) Decreased cardiac output

7. Mr X developed Quadraplegia following a diving accident. The most likely cause is
 - a) C4 injury
 - b) T3 injury
 - c) L3 injury
 - d) T6 injury
8. The ideal storage temperature of Plasma Rich Platelets are
 - a) 2 -6 Degree Celsius
 - b) 20-22 Degree Celsius
 - c) <2 Degree Celsius
 - d) -80 Degree Celsius
9. Choose the false statement related to medical Imaging Technology.
 - a) X rays are sufficient to detect fine details of objects like bone and lungs
 - b) CT scan has increased ability to see the soft tissues
 - c) Nuclear magnetic resonance has no Radiation risk
 - d) Echo cardiogram is a radio isotope image
10. Early manifestation of Head injury in an infant is
 - a) Nausea
 - b) Bradi cardia
 - c) Bulging of Fontanel
 - d) Tachy cardia
11. Dcerebrate posturing can be described as
 - a) Flacid paralysis of all extremities
 - b) Abduction of arms at the level of shoulders
 - c) Rigid extension and pronation of arms and legs
 - d) Abnormal flexion of the upper extremities
12. Patients on steroid are at risk for developing
 - a) Hyponatremia
 - b) Hypoglycemia
 - c) Hypercalcimia
 - d) Hyperglycemia
13. The most effective precaution for the prevention of myasthenic and cholinergic crises is
 - a) Eating large and well balanced meals
 - b) Doing muscle strengthening Exercises
 - c) Do all work early in the day
 - d) Taking medications on time and without fail

14. First drug of choice for management of status epilepticus is
- a) Inj Diazepam
 - b) Inj Phenytoin sodium
 - c) Inj Lorazepam
 - d) Inj Sodium valproate
15. Infectious agent commonly transmitted through blood transfusion
- a) Hepatitis A
 - b) Malaria
 - c) pin worms
 - d) Tape worms
16. Which drug is effective for management of supraventricular tachycardia?
- a) Atropine
 - b) Adenosine
 - c) Adrenaline
 - d) Phenytoin sodium
17. While caring for patients with tracheostomy, as a safety precaution, which of the following should be kept at bedside.
- a) Keep tracheal dilators and obturator at bedside
 - b) Keep larger or same sized tracheostomy tubes at bedside
 - c) Ventilator should be ready at bedside
 - d) Keep tracheal dilators and ambu bag at bedside
18. At what time after Myocardial Infarction, CPK-MB will rise?
- a) After 6 hrs
 - b) After 24-36 hrs
 - c) After 72 hrs.
 - d) After 3-5 days
19. Recommended P_{CO}2 range for hyperventilation to reduce ICP is
- a) 25-30 mm of Hg
 - b) <20 mm of Hg
 - c) 35-40 mm of Hg
 - d) >80 mm of Hg
20. Which is the primary consideration when preparing to administer thrombolytic therapy to a patient who is experiencing an acute myocardial infarction (MI)?
- a) History of heart disease
 - b) Sensitivity to Aspirin
 - c) Size and location of the MI
 - d) Time since onset of symptoms

21. During an infusion of thrombolytic therapy for patient with myocardial Infarction which sign suggests lysis of clots in the patient's coronary artery?
- a) Bleeding from needle puncture sites
 - b) Dysrhythmias
 - c) Facial flushing
 - d) T-wave inversion on the ECG monitor
22. The purpose of water in the water seal chamber of a chest drainage system is to
- a) Foster removal of chest secretion
 - b) prevent the entrance of air into the pleural cavity
 - c) facilitate emptying of bloody drainage from the chest
 - d) decrease the danger of sudden change of pressure within the tube
23. The most significant contra indication for administration thrombolytic drug is
- a) Extra stock of the drug is not available
 - b) Patient is on nil orally for >4hours
 - c) Patient is on hypoglycemic drugs
 - d) Patient had undergone surgery within two weeks
24. The immediate response of the nurse on hearing the low pressure alarm on ventilator should be
- a) Administer Oxygen
 - b) Check vital signs
 - c) Call the anesthetist
 - d) Initiate manual ventilation
25. The priority nursing action to a patient admitted with Diabetic keto acidosis is to
- a) Start Ryle's tube feeding
 - b) Administer 5% Dextrose Intravenously
 - c) Administer regular insulin intravenously
 - d) Monitor Electro cardiogram
26. During rescue breathing in CPR the victim will exhale by
- a) Normal relaxation of the chest
 - b) Gentle pressure of the rescuer's hand on the upper chest
 - c) Pressure of cardiac compression
 - d) Turning the head to the side
27. Arterial blood gas result showing pH 7.3 and P_{CO}₂ 45mm of Hg can be interpreted as
- a) Normal
 - b) Respiratory Acidosis
 - c) Metabolic acidosis
 - d) Respiratory alkalosis

28. CPR Guideline (2010) recommends that on diagnosis of cardiac arrest ,the first action to be initiated is
- Give two breaths and initiate chest compressions and respiration at 30:2 ratio
 - Initiate chest compressions and respiration at 30:2 ratio
 - Give 200 chest compressions uninterruptedly
 - Give four breaths and initiate chest compressions and respiration at 30:2 ratio
29. Aura can be defined as
- Post seizure state of amnesia
 - Hallucinations during seizure
 - premonition of an impending seizure
 - Feeling of relaxation as the seizure begins to subside
30. Which one of the following statements is not correct?
- Fresh frozen plasma is infused within two hours of thawing
 - Fresh frozen plasma is administered to increase the level of clotting factors
 - Fresh frozen plasma is platelet rich
 - Fresh frozen plasma is infused over a period of 15-30 minutes
31. How many milliliters per hour are required to administer 1000 units of Heparin per hour from 500ml of D5W with 20,000 units of inj Heparin?
- 25ml/hour
 - 40ml/hour
 - 2.5ml/hour
 - 16ml/hour
32. How many milliliters of NS per hour are required to administer 10 units of Insulin per hour from 500ml of NS with 50 units of inj Insulin?
- 50ml/hr
 - 20ml/hr
 - 25ml/hr
 - 10ml/hr
33. Inj Cefuroxime Sodium 1g in 50ml, Normal saline is to be administered over 30 minutes. How many drops/minute is required (1ml =15drops).
- 25
 - 16
 - 30
 - 12
34. A Four year old child is brought to the OPD after a fall from a bicycle. Assessment of raised ICP include
- Bulging of anterior fontanel

- b) Repeated vomiting
 - c) Bluish swelling on the forehead
 - d) Pain on moving the right upper limb
35. Chemical sterilant used for low temperature plasma sterilization
- a) Silver Nitrate
 - b) Ethylene oxide
 - c) Formaldehyde
 - d) Hydrogen Peroxide
36. What is the dose of bolus injection lorazepam in status epileptic
- a) 0.1mg/kg
 - b) 0.2mg/kg
 - c) 0.3mg/kg
 - d) 0.4mg/kg
37. Among the following, what indicates weaning intolerance from mechanical ventilation
- a) Increase of respiratory rate 5 above baseline
 - b) 350 tidal volume
 - c) Increase of heart rate 25 above baseline
 - d) SpO2 92
38. The ethical principle of keeping promises is called
- a) Veracity
 - b) Fidelity
 - c) Paternalism
 - d) Humanism
39. In order to prevent flexion contractures in stroke patients splint is applied in
- a) Posterior aspect
 - b) Anterior aspect
 - c) Lateral aspect
 - d) Medial aspect
40. One hour after extubation, a diabetic CABG patient appears slightly lethargic. Blood gas result: pH, 7.33; PaO₂, 80 mmHg; PaCo₂, 50 mm Hg; Sao₂, 95%; HCO₃, 28 mEq/L; base excess, 0.5. Immediate nursing intervention is
- a) Obtain a blood glucose level
 - b) Obtain a 12- lead ECG
 - c) Treat metabolic acidosis
 - d) Stimulate patient to breathe

41. A patient with acute Myocardial Infarction was given Inj morphine. Which of the following is not true about the effect/side effect of the inj. Morphine?
- a) Depression of vasomotor center
 - b) Reduced sympathetic tone
 - c) Increased heart rate
 - d) Reduced release of histamine
42. Which vein is the most common source of thrombi that become a Pulmonary Embolism?
- a) Great Saphenous Vein
 - b) Ilio-Femoral vein
 - c) Popliteal
 - d) Posterior Tibial
43. Rationale for the use of anticoagulants in Pulmonary Embolism
- a) Decrease blood's coagulability
 - b) Decrease the size of thrombi
 - c) Minimize migration of thrombi
 - d) Stop further growth of an established clot
44. Broca's aphasia refers to:
- a) Inability to understand spoken language
 - b) Fluent, nonsensical speech
 - c) Irrelevant speech
 - d) Inability to express self
45. To start Dopamine infusion at 10mcg/kg/minute for a patient of 80kg, how many ml/hr is to be adjusted with dilution of 400mg in 50ml?
- a) 4.5ml/hr
 - b) 10 ml/hr
 - c) 5 ml/hr
 - d) 6 ml/hr
46. In a child with suspected coarctation of aorta, the nurse would expect to find ...
- a) strong pedal pulses
 - b) diminishing carotid pulses
 - c) normal femoral pulses
 - d) bounding pulses in the arms
47. Most of the children with congenital heart disease will be suffering from
- a) Frequent respiratory infections
 - b) Bleeding tendencies
 - c) Frequent vomiting and diarrhea
 - d) Seizure disorder

48. Which of the following is reversible with DC shock?
- a) Sinus rhythm
 - b) Ventricular fibrillation
 - c) Pulseless electrical activity
 - d) Third degree heart block
49. Therapeutic effects of non steroidal anti-inflammatory drugs include all except :
- a) It inhibits the synthesis of prostaglandins
 - b) It acts as an analgesics & antipyretic
 - c) It's used to treat rheumatoid arthritis
 - d) It can be along with anti coagulants
50. The recommended technique to test the gag reflex is
- a) Examine the mouth and throat for excessive saliva
 - b) Touch the back of the throat with a tongue depressor
 - c) Observe the throat muscle for flaccid paralysis
 - d) Give a spoon of water for swallowing



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(Signature of candidate)