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SAJAA CPD ANSWER FORM – May/June 2021

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Please answer the following questions:

A retrospective evaluation of the efficacy of midazolam and ketamine as premedication for paediatric patients undergoing elective surgery

1. Combining midazolam and ketamine
a. is dangerous because it increases the incidence of side-effects
b. allows for effective sedation at lower doses
c. leads to a prolonged recovery time

2. This study showed that midazolam/ketamine sedation can be safely used in
a. patients with airway obstruction
b. patients with pre-existing neurology
c. ASA I-II patients between 2 and 8 years old

3. Patients that have received midazolam/ketamine premedication
a. may have a lower incidence of preoperative agitation
b. require capnography in the recovery room in addition to routine monitoring
c. require an extended recovery period of at least 60 minutes

4. The most common pre-induction side-effect of midazolam/ketamine sedation is
a. airway obstruction
b. hypersalivation
c. respiratory depression

5. Preoperative anxiety in children
a. does not result in any negative long-term side-effects
b. has no proven link to emergence delirium
c. may lead to bed wetting, sleep disturbance, separation anxiety and poor appetite

Do South African anaesthesiology graduates consider themselves fit for purpose? A longitudinal study

6. The Dunning–Kruger effect explains how incompetent individuals may not be able to accurately estimate their own limitations.
a. True
b. False

How knowledgeable is the recovery room nurse you entrust your patient to about postoperative airway emergencies?

7. How many stages of competency did Broadwill describe?
a. 2
b. 4
c. 6

8. Who accredits postgraduate training for recovery room nurses?
a. Universities
b. Private hospital groups
c. South African Nursing Council
d. No accreditation is required

9. Who in South Africa remains accountable for ongoing patient care in the recovery room until discharge?
a. Recovery room nurse
b. Surgeon
c. Anaesthetist
d. Scrub nurse

10. Performance of healthcare workers is influenced by?
a. Skills, knowledge and factors such as systems, facility and personal issues
b. Skills and knowledge
c. Personality

11. Recovery room nurses achieved the highest score in which airway emergencies section?
a. Anatomy and physiology
b. Clinical signs and treatment
c. General knowledge

12. Recovery room nurses achieved the lowest score in which airway emergencies section?
a. Anatomy and physiology
b. Clinical signs and treatment
c. General knowledge

Reinvention of an academic anaesthesiology department during pandemic times: lessons learnt and adapting to a "new normal"

13. Our approach towards addressing PPE use and supply was
a. widespread respirator mask fit testing
b. widespread training on donning and doffing PPE
c. PPE conservation
d. All of the above

14. Organisation of our response to the pandemic has taught us many lessons that we can leverage for future surges of COVID-19 patients in our region including:
a. governance changes to allow for more nimble and real-time decision making
b. communication through clear and concise messaging
c. collaboration with other services to accomplish shared goals
d. All of the above

15. Services not offered during "new normal" modes include
a. regular huddles, as needed
b. airway team
c. COVID-19 department czar
d. COVID-19 response team leaders

Anaesthesia for the child with a univentricular heart: a practical approach

16. Stage two of palliation into a univentricular heart involves:
a. An anastomosis of the subclavian artery to the proximal pulmonary artery
b. The creation of a fenestration
c. The anastomosis of the inferior vena cava to the pulmonary circulation
d. An anastomosis of the superior vena cava to the right pulmonary artery

17. Well described complications of the pathophysiology of the univentricular heart may include all EXCEPT:
a. Protein-losing enteropathy
b. Hypercoagulability
c. Hypocoagulability
d. Oliguria

18. Technique of intraoperative ventilation can significantly affect these children's haemodynamics. It is important to ventilate them in such a way as to:
a. Minimise mean airway pressures
b. Achieve optimal PEEP
c. Avoid breath-stacking
d. Maximise inspiratory time

19. These patients may need vasopressor support. Which drug has the least impact on pulmonary vascular resistance?
a. Adrenaline
b. Nor-adrenaline
c. Phenylephrine
d. Vasopressin

20. Transoesophageal echocardiography can be used perioperatively in patients with a univentricular heart to assist in all the below situations EXCEPT:
a. Assessment of intravascular volume status and fluid responsiveness
b. Looking for the presence of atrial thrombi
c. Assessing pulmonary artery pressures
d. Assessing adequacy of coronary blood flow

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