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SOUTH AFRICAN SOCIETY OF ANAESTHESIOLOGISTS

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SAJAA CPD ANSWER FORM – May/June 2021

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per edition

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

- is dangerous because it increases the incidence of side-effects
- allows for effective sedation at lower doses
- leads to a prolonged recovery time

2. This study showed that midazolam/ketamine sedation can be safely used in

- patients with airway obstruction
- patients with pre-existing neurology
- ASA I-II patients between 2 and 8 years old

3. Patients that have received midazolam/ketamine premedication

- may have a lower incidence of preoperative agitation
- require capnography in the recovery room in addition to routine monitoring
- require an extended recovery period of at least 60 minutes

4. The most common pre-induction side-effect of midazolam/ketamine sedation is

- airway obstruction
- hypersalivation
- respiratory depression

5. Preoperative anxiety in children

- does not result in any negative long-term side-effects
- has no proven link to emergence delirium
- 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.

- True
- 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?

- 2
- 4
- 6

8. Who accredits postgraduate training for recovery room nurses?

- Universities
- Private hospital groups
- South African Nursing Council
- No accreditation is required

9. Who in South Africa remains accountable for ongoing patient care in the recovery room until discharge?

- Recovery room nurse
- Surgeon
- Anaesthetist
- Scrub nurse

10. Performance of healthcare workers is influenced by?

- Skills, knowledge and factors such as systems, facility and personal issues
- Skills and knowledge
- Personality

11. Recovery room nurses achieved the highest score in which airway emergencies section?

- Anatomy and physiology
- Clinical signs and treatment
- General knowledge

12. Recovery room nurses achieved the lowest score in which airway emergencies section?

- Anatomy and physiology
- Clinical signs and treatment
- 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

- widespread respirator mask fit testing
- widespread training on donning and doffing PPE
- PPE conservation
- 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:

- governance changes to allow for more nimble and real-time decision making
- communication through clear and concise messaging
- collaboration with other services to accomplish shared goals
- All of the above

15. Services not offered during "new normal" modes include

- regular huddles, as needed
- airway team
- COVID-19 department czar
- 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:

- An anastomosis of the subclavian artery to the proximal pulmonary artery
- The creation of a fenestration
- The anastomosis of the inferior vena cava to the pulmonary circulation
- 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:

- Protein-losing enteropathy
- Hypercoagulability
- Hypocoagulability
- 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:

- Minimise mean airway pressures
- Achieve optimal PEEP
- Avoid breath-stacking
- Maximise inspiratory time

19. These patients may need vasopressor support. Which drug has the least impact on pulmonary vascular resistance?

- Adrenaline
- Nor-adrenaline
- Phenylephrine
- Vasopressin

20. Transoesophageal echocardiography can be used perioperatively in patients with a univentricular heart to assist in all the below situations EXCEPT:

- Assessment of intravascular volume status and fluid responsiveness
- Looking for the presence of atrial thrombi
- Assessing pulmonary artery pressures
- Assessing adequacy of coronary blood flow

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