



# SASA

SOUTH AFRICAN SOCIETY OF ANAESTHESIOLOGISTS

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## SAJAA CPD ANSWER FORM – January/February 2021

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### Please answer the following questions:

**1. Submitral aneurysms usually occur in relation to:**

- The posterior mitral annulus
- The anterior mitral annulus
- Not commonly associated with the anterior or posterior mitral annulus

**2. Patients with submitral aneurysms usually present with:**

- Mitral valve stenosis
- Mixed mitral valve disease
- Mitral regurgitation
- Mitral valve vegetations

**3. An association between \_\_\_\_\_ and submitral aneurysms has been reported.**

- HIV
- HIV, TB and rheumatic heart disease
- Collagen disease
- Infective endocarditis

**4. Modified Simpson's method for determining stroke volume and cardiac output can be inaccurate due to:**

- Underestimation of left ventricular end diastolic volume
- Overestimation of left ventricular end systolic volume
- Underestimation of left ventricular end systolic volume

**5. Regarding South African anaesthetic nurse training:**

- Anaesthesia nurse training programmes are only offered in private nursing institutions
- No formal or accredited anaesthetic nurse training programme exists currently
- Undergraduate curricula closely resemble international teaching programmes

**6. Regarding participants' undergraduate training:**

- The majority of participants stated that no or minimal anaesthesia modules were taught, and the theory was insufficient for their daily practice
- Participants trained at private nursing colleges stated that sufficient anaesthesia modules were taught
- Participants stated that though minimal anaesthesia modules were taught in nursing college, the theory learnt was sufficient for their daily practice

**7. The majority of study participants indicated that the anaesthetist they work with:**

- Does have an impact on their daily work performance in theatre
- Makes no difference to their daily work performance in theatre
- Should preferably speak the same language as the anaesthetic nurse

**8. If a nurse's theatre preparation was felt to be inadequate by the anaesthetist:**

- The majority of anaesthetists showed the anaesthetic nurse how to improve their performance
- Only 20% of anaesthetists provided corrective teaching to the anaesthetic nurse
- The anaesthetist generally requested a senior anaesthetic nurse to assist with future cases

**9. Teaching modalities that were favoured by participants included:**

- Lectures at nursing college with mostly nursing tutors
- Online short courses by anaesthetists and nursing tutors
- Being taught by an anaesthetist and practical group sessions

**10. The use of transparent intubation boxes:**

- Significantly prolongs the time to successful intubation of a part-task trainer
- Should be used in patients at risk of difficult intubation during the COVID-19 pandemic, where time is of the essence
- Affects the best glottic view obtained during intubation of a part-task trainer
- Stops the spread of aerosol into the surrounding environment

**11. The United States Food and Drug administration has recommended that barrier enclosures without negative pressure:**

- Should be maintained during intubation attempts despite difficulty with intubation
- Can be individualised to a specific subset of patients, with a low threshold to abandon the use of the enclosure
- Can be individualised to a specific subset of patients, regardless of the need for complicated airway instrumentation procedures
- Should be used in all COVID-19 patients requiring intubation, to protect healthcare workers during this pandemic

**12. The addition of videolaryngoscopy when intubating a part-task trainer:**

- Significantly reduced the time to successful intubation
- Improved the best glottic view obtained compared to direct laryngoscopy, whether or not an intubation box was used
- Increases the mouth-to-mouth distance when intubating and is therefore considered valuable
- Significantly altered the time to successful completion of intubation

**13. The seniority of the intubator:**

- Significantly altered the time to successful intubation (TTI)
- Significantly altered the best glottic view obtained
- Meant that 25% more consultant anaesthesiologists felt proficient at using videolaryngoscopy as compared to registrars
- Did not alter TTI or best glottic view obtained

**14. Dexmedetomidine has been shown to be of particular use in the ICU setting with the following condition:**

- Hypoactive delirium
- Agitated delirium
- Opioid dependence
- Thyrotoxicosis

**15. Early deep sedation in ICU is associated with:**

- Shorter intubation periods
- An increased incidence of ventilator dyssynchrony
- Higher 180-day mortality
- Improved muscle density at 30 days

**16. Duchenne muscular dystrophy has an incidence in the general population of:**

- 1:3 500
- 1:10 000
- 1:100
- 1:350

**17. The perioperative considerations for Duchenne muscular dystrophy include:**

- Malignant hyperthermia risk
- Anaesthesia-induced rhabdomyolysis risk
- Resistance to succinylcholine, necessitating a higher dose
- Avoidance of propofol

**18. Rocuronium should be kept:**

- In a maintained cold-chain of 2–8 °C, and once removed may be kept unopened at sub-room temperatures for up to 60 days
- In a maintained cold-chain of 0–10 °C, and once removed may be kept unopened at sub-room temperatures for up to 120 days
- In a maintained cold-chain of 2–8 °C, and once removed may be kept unopened at sub-room temperatures for up to 120 days
- In a maintained cold-chain of 0–10 °C, and once removed may be kept unopened at sub-room temperatures for up to 60 days

**19. Rocuronium is a popular choice for:**

- Elective sequence inductions, but not as an alternative muscle relaxant for modified rapid sequence inductions
- Modified rapid sequence inductions but not for elective sequence inductions
- Elective sequence inductions as well as a commonly used alternative muscle relaxant for modified rapid sequence inductions

**20. In clinical practice, sealed unused rocuronium vials are often:**

- Discarded after the theatre list is done
- Kept in the theatre for emergency cases
- Returned to the pharmacy
- Returned to the refrigerator after a theatre list

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