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SAJAA CPD ANSWER FORM – January/February 2023

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Please answer the following questions:

<p>Total intravenous anaesthesia: a survey of practices and training at an anaesthesiology department</p> <p>1. Guidelines for the safe practice of total intravenous anaesthesia (TIVA) recommend using which of the following methods for administering general anaesthesia using propofol?</p> <ol style="list-style-type: none">Manually controlled continuous infusionIntermittent bolus dosingTarget-controlled infusion (TCI) <p>2. Which of the following is not considered a potential clinical benefit of TIVA?</p> <ol style="list-style-type: none">Reduced postoperative nausea and vomitingReduced emergence deliriumReduced risk of intraoperative awareness <p>3. The most compelling indication for the use of TIVA is a patient</p> <ol style="list-style-type: none">with a known allergy to eggsat risk of malignant hyperthermiawith mitochondrial disease <p>4. In our study population, the most important obstacle identified to the use of TIVA was</p> <ol style="list-style-type: none">the unavailability of depth of anaesthesia monitorscosta lack of understanding of the pharmacology of TIVA	<p>Comparing paediatric caudal injection simulation on a 3D-printed, gelatine-cast part-task trainer and the Life/form® Pediatric Caudal Injection Simulator, to real anatomy, by specialist</p> <p>13. 3D printing</p> <ol style="list-style-type: none">is not regularly employed in many medical and surgical disciplinesis a promising method for producing affordable part-task trainers (PTT)was used to produce a 3D model rendered from a paediatric spinal X-ray <p>14. Simulation-based task training</p> <ol style="list-style-type: none">has the potential to refine trainees' skills before patient contact, and to improve the safety and efficacy of paediatric regional anaesthesiais readily implemented in paediatric regional anaesthesiadoes not offer much benefit in cultivating safer paediatric anaesthesia practices <p>15. Ultrasound-guided caudal injection</p> <ol style="list-style-type: none">was described some time ago, but most anaesthesiologists still perform the procedure blindlyis a tedious task and difficult to mastercan only be done by specialist anaesthesiologists <p>16. The 3D-printed PTT</p> <ol style="list-style-type: none">was more expensive to produce than acquiring the commercially available PTTis not ultrasound compatiblewas locally produced, making it less expensive and easier to acquire <p>17. Silicone rubbers</p> <ol style="list-style-type: none">are less expensive and more durable than gelatine mixtureshave been used to construct ultrasound-compatible PTTsare not ultrasound compatible
<p>Visual estimation of blood loss on swabs by surgeons and anaesthetists in KwaZulu-Natal: an online survey study</p> <p>5. The accuracy of blood loss estimation of blood-soaked swabs</p> <ol style="list-style-type: none">is better at higher soaked volumesis better at lower soaked volumesis not influenced by soak volume <p>6. Potential problems with point-of-care testing include(s):</p> <ol style="list-style-type: none">high cost and lack of availabilitydifficulty to usethe fact that it is a nidus of infection <p>7. Blood banks are under strain due to a high</p> <ol style="list-style-type: none">HIV prevalence among donorsprocessing cost and overstaffingtrauma and urology burden <p>8. What is the suggested method of improving blood loss estimation in theatre?</p> <ol style="list-style-type: none">Frequent haemoglobin analysisThe gravimeter method (weighing swabs)The use of pictorial guides in theatre	<p>The management of postoperative pain after musculoskeletal surgery – a narrative review</p> <p>18. The use of local anaesthetic agents for regional anaesthesia forms the basis of a multimodal pain management plan because</p> <ol style="list-style-type: none">it prolongs the opioid-sparing effects beyond the duration of the blockadjuvant drugs added to the block have little effect on the prolongation of the blockthe debilitating effects of the pain stimulus are averted before surgical injury occurs <p>19. Gabapentinoids have analgesic effects because of their inhibition of</p> <ol style="list-style-type: none">GABA receptorsvoltage-gated calcium channelsN-methyl-D aspartate (NMDA) receptors <p>20. Choose the correct statement: With regard to the skeletal muscle relaxants</p> <ol style="list-style-type: none">cyclobenzaprine is an NMDA receptor antagonistthe antispasmodic agents are used as part of a multimodal analgesia planantispasmodic agents are proven to be effective in the acute surgical setting
<p>A survey of the perceptions and knowledge of anaesthesia and anaesthetists among Grade 12 learners in four Johannesburg districts</p> <p>9. The primary objective of the study was to describe the</p> <ol style="list-style-type: none">shortage of anaesthetists around the worldeffect of burnout among anaesthetistsperceived role of anaesthetists in the perioperative period <p>10. Regarding knowledge of anaesthetists' duties</p> <ol style="list-style-type: none">Just over half of the participants (51.1%) believed that the anaesthetists induce anaesthesia in the operating roomThe majority of the participants (80%) believed that the nurse induces anaesthesia in the operating roomMost of the learners (60%) believed that the anaesthetist assists the surgeon with the operation <p>11. Regarding the outcome of the study</p> <ol style="list-style-type: none">Knowledge regarding anaesthesia and anaesthetists was lackingKnowledge regarding anaesthesia and anaesthetists was excellentAnaesthesia is an old speciality and the general public was expected to be aware of the discipline <p>12. Regarding interest in the field</p> <ol style="list-style-type: none">Participants were not interested in learning more about anaesthesia and anaesthetistsParticipants were more interested in the fields of nursing and surgeryParticipants displayed the desire to know more about anaesthesia as a discipline	<p>The transthoracic echocardiographic skills of registrars in a department of anaesthesiology</p> <p>21. POCUS stands for</p> <ol style="list-style-type: none">Point-of-care ultrasonographyPulmonary care ultrasonographyPostoperative care ultrasonography <p>22. The candidates who performed the best in the objective structured clinical examination (OSCE) in this study were those who had completed</p> <ol style="list-style-type: none">an accredited transthoracic echocardiographic (TTE) coursetheir cardiac anaesthesia rotationmore TTE examinations <p>23. The American Society of Echocardiography (ASE) recommends</p> <ol style="list-style-type: none">an ongoing training, assessment and accreditation processa standardised training programme with an annual assessment and accreditation processa once-off training course with assessment and accreditation <p>24. The ASE recommends that ultrasound training should be</p> <ol style="list-style-type: none">commenced at an undergraduate levelstarted at specialist level as early on in training as possibleincluded in all medical training programmes <p>25. The Portuguese Society of Cardiology recommended that to maintain competency, emergency focused cardiac ultrasound (FCU) practitioners require the completion of a minimum of</p> <ol style="list-style-type: none">50 clinically indicated echocardiographic examinations in a period of less than a year40 clinically indicated echocardiographic examinations in a period of less than a year30 clinically indicated echocardiographic examinations in a period of a year

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