



# Revista Colombiana de Anestesiología

## Colombian Journal of Anesthesiology

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## Questions and answers<sup>☆</sup>

### Preguntas y respuestas

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This section includes questions prepared on the basis of the contents of the articles published in volume 42, number 3 of the Colombian Journal of Anesthesiology<sup>1</sup>. Accept this challenge to test your reading comprehension and knowledge.

- (1) In patients with massive bleeding, which of the following factors is the best indicator of hospital mortality?
  - (a) Drop in plasma calcium
  - (b) Minimum fibrinogen concentration
  - (c) The degree of acidosis
  - (d) Thrombocytopenia
- (2) As relates to leadership competencies, which of the following management styles is characteristic of the Toyota Lean system?
  - (a) Authority
  - (b) Labour accounting as a major expense
  - (c) Answering questions
  - (d) Asking questions
- (3) Which of the following factors have not been associated with implantable pacemaker malfunction?
  - (a) Metal detectors
  - (b) Mobile phones
  - (c) Non-ionizing radiation
  - (d) Transformers
- (4) The CUSUM graphic model (Cumulative Sum) has proven to be a great tool for assessing psychomotor education in health. Regarding this model, it is false that:
  - (a) The procedures most frequently assessed are orotracheal intubation, vascular catheterization and regional anaesthesia
  - (b) It assesses only psychomotor learning
  - (c) It considers failure possibility from the point of view of type 1 and type 2 errors
  - (d) The number of attempts at orotracheal intubation after which 75% of the people assessed achieve a 95% success rate is close to 130
- (5) Neira A, Aguirre FC, Gómez MG et al., in their research on the effects of sevoflurane on neuroapoptosis and cognitive function in animals subjected to multiple exposures found that:
  - (a) Repeated exposure to sevoflurane at sub-MAC doses produces significant behavioural disorders associated with anxiety in adult rats
  - (b) In the cerebral cortex of adult rats exposed previously during the neonatal period no extensive foci of neuronal death were found
  - (c) Spatial memory was not affected
  - (d) Caspase 3 is a marker of neuroapoptosis.
- (6) In multiple-trauma patients, which of the following is not considered an independent risk factor for the development of adult respiratory distress syndrome (ARDS)?
  - (a) Femoral fracture
  - (b) APACHE II score
  - (c) Blood transfusion
  - (d) Gender

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- (7) According to the work by Pantoja H et al., which of the following classifications has the highest positive predictive value for perioperative cardiovascular events?
- (a) Goldman
  - (b) Detsky
  - (c) Lee
  - (d) ASA
- (8) In relation to the adult anatomy of the upper airway, it is true that:
- (a) The larynx begins at the level of C6 in most patients
  - (b) The right lung upper lobe has four segments
  - (c) The larynx is divided into two structures: nasopharynx and oropharynx
  - (d) The length of the upper airway varies significantly according to age
- (9) Regarding the use of fresh frozen plasma during surgery in patients with craniosynostosis, it is true that:
- (a) It reduces blood loss volume
  - (b) It reduces the number of transfusions
  - (c) It shortens length of stay
  - (d) It does not affect these variables significantly
- (10) Regarding botulinum toxin, it is false that:
- (a) It increases ACH release in the nerve endings
  - (b) The main effector is the motor plate
  - (c) Its therapeutic effect lasts 3-months
  - (d) It only affects motor neurons

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### Reference

1. Raffan F. Preguntas y Respuestas. Rev. Colomb. Anestesiología. 2014;42: July-September (3).

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### Answers

- 1. a
- 2. d
- 3. c
- 4. b
- 5. d
- 6. d
- 7. c
- 8. a
- 9. d
- 10. d