



# The Hong Kong College of Anaesthesiologists

## Final Fellowship Examination

### Paper II

14<sup>th</sup> August 2015 (Friday)

11:00 – 12:30 hrs

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**Instructions:**

- There are three pre-labelled answer books. Please make sure you answer the respective questions in the appropriate answer book.
  - Write your examination number on the cover of each answer book.
  - Answer **ALL** questions (nine questions). They are worth equal marks and you should spend approximately ten minutes for each question.
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- A 65 year-old-man requires emergency tracheal stenting under general anaesthesia for a suspected bronchogenic carcinoma causing airway obstruction at the carina level. Discuss your perioperative concerns.
- Discuss the causes and treatment for uterine hypertonia.
- A patient developed ventricular fibrillation which is not terminated by repeated delivery of electrical defibrillation. Outline the factors that influence the success of defibrillation.
- Describe the effect of inhalational anaesthetic agents (25%), intravenous induction agents (50%) and opioids (25%) on somatosensory evoked potential and motor evoked potential.
- Outline the features of a modern anaesthetic workstation that ensure safe gas delivery to the patient.
- Insertion of a central line may result in cardiac tamponade:
  - How would you recognize this complication? (50%)
  - How could you minimize the risk of this complication? (50%)
- A 45-year-old man with a history of alcohol abuse and recent acute pancreatitis is admitted to the intensive care unit for inotropic and ventilatory support following a laparotomy to drain the pancreatic abscess. His body mass index is  $18\text{kg/m}^2$ .
  - Justify the need for nutritional support in this patient and list the components of the nutritional requirement. (50%)
  - Outline the pros and cons of the options available to provide nutritional support to this patient. (50%)
- You are asked to review a woman in the anaesthetic outpatient clinic. She had two previous caesarean sections and is currently 32 weeks pregnant with an anterior lying placenta praevia and a fibroid uterus. She is otherwise healthy and scheduled for an elective caesarean section at 39 weeks of gestation.  
Describe and justify your peripartum management in this patient.
- A 60-year-old man is scheduled for resection of a large back lipoma under general anaesthesia on your list tomorrow, the surgeon requests for a prone position for this procedure. Describe your anaesthetic management.