



# The Hong Kong College of Anaesthesiologists

## Final Fellowship Examination

### Paper II

2<sup>nd</sup> August 2002 (Friday)

11:00 - 12:30 hrs

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#### Instructions:

- a) There are three pre-labelled answer books. Please make sure you answer the respective questions in the appropriate answer book.
- b) Write your examination number on the cover of each answer book.
- c) Answer All questions (nine questions). They worth equal marks and you should spend approximately ten minutes for each short question.

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1. Discuss the ventilatory management of an adult with ARDS who requires laparotomy for acute abdomen.
  2. A patient undergoing an emergency hemicolectomy for carcinoma of the colon aspirates during induction. What measures can be taken to minimize the possibility of pulmonary aspiration and its effects should it occur?
  3. Describe the principles involved in pulse oximetry. What are its limitations in clinical practice?
  4. Describe the techniques available to improve the success rate of a brachial plexus block using the axillary approach.
  5. A 64yr old woman with chronic obstructive airways disease presents for microlaryngoscopy and excision of a vocal cord lesion with the possible use of a laser. Describe the techniques of ventilation available to you for this procedure and the factors you will consider in deciding on your choice of technique.
  6. Discuss how the ulnar nerve could be damaged peri-operatively and how you would manage this problem should it occur.
  7. A patient with Idiopathic Hypertrophic subaortic stenosis (IHSS) develops hypotension and tachycardia during the induction of anesthesia. Briefly describe the pathophysiology of IHSS and list the measures you would take to stabilize the cardiovascular system?
  8. How would you ensure the adequacy of cerebral perfusion during carotid endarterectomy.
  9. Describe how you would provide anaesthesia if you felt intravenous access could not be obtained without considerable difficulty and patient distress, for closed reduction of an acutely fractured radius in a 4 year old child who last ate 6 hours ago.

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