



**HONG KONG COLLEGE OF  
ANAESTHESIOLOGISTS**

**DIPLOMA OF FELLOWSHIP**

**FINAL FELLOWSHIP (INTENSIVE CARE)  
SHORT ANSWER PAPER**

**15 Questions**

**MONDAY, 15<sup>th</sup> AUGUST 2011**

**9.00 am - 11:30 am**

**NOTICE**

- (A) Write your answers in the books provided.
- (B) Please separate your answers into three groups:
  - Q1 to Q5
  - Q6 to Q10 and
  - Q11 to Q15
- (C) Start each answer on a new page and indicate the question number.
- (D) You may choose to answer the questions in any order but please make sure that they can be separated into the three groups as above, by starting on a new booklet as necessary.
- (E) It is not necessary to rewrite the question in your answer book.
- (F) You should answer each question in ten minutes or less.
- (G) The questions are worth equal marks.
- (H) Record your number on the cover of each book and hand in all books.

**ANSWER THE FOLLOWING**

1. List the major missed injuries after major trauma.
2. What is the evidence for the use of steroids in septic shock?
3. What are the long-term sequelae of critical illness for patients managed in the intensive care unit?
4. Briefly discuss the principles of ventilatory support in acute severe asthma.

5. Describe the role of the various endovascular interventional radiological treatment modalities used in the critically ill trauma patients.
6. Define pre-eclampsia and severe pre-eclampsia. Briefly outline the peri-operative management in a patient with severe pre-eclampsia.
7. Outline the advantages and disadvantages of a thoracic CT scan, transthoracic echocardiogram, VQ scan and pulmonary angiogram in the diagnosis of suspected pulmonary embolism.
8. A multi-trauma patient is suspected to have fat embolism. Briefly describe the clinical features of fat embolism. Describe your approach to the diagnosis and management of such a patient.
9. Outline your approach to high gastric residual volume in a critically ill patient receiving enteral feeding.
10. Describe the mechanisms of solute removal in continuous venovenous haemofiltration. List the factors affecting the performance of these mechanisms.
11. Describe different methods of cooling. List the advantages and disadvantages of these methods.
12. Discuss your concerns when managing the morbidly obese patient in the intensive care unit.
13. Discuss the role of ultrasound in critical care, as well as your opinion of having it being done by the intensivist.
14. Outline the methods for assessing fluid responsiveness in a patient with hypotension.
15. You have decided to place a patient with ARDS in the prone position.
  - a. Justify your decision.
  - b. Briefly outline your technique for applying prone position for a patient in the intensive care unit.

End