



**The Hong Kong College of Anaesthesiologists
Diploma of Fellowship**

Final Fellowship (Intensive Care)

Short Answer Paper

15 Questions

MONDAY, 6TH OCTOBER 1997

8:30 am - 11:00 am

NOTICE

- (A) Write your answers in the books provided.
- (B) Start **each answer** on a **new page** and **indicate the question number**. It is not necessary to rewrite the question in your answer book.
- (C) You should answer each question in **ten minutes** or less.
- (D) The questions are worth equal marks.
- (E) Record your number on the cover of each book and hand in all books.

ANSWER THE FOLLOWING

1. You are asked to see a 72-year-old woman who has become increasingly drowsy in the ward. She has serum sodium of 120mmol/L. Outline your initial management of the lady.
2. Critically evaluate the role of percutaneous tracheostomy in ICU.
3. List the causes of lactic acidosis and briefly describe its management.
4. Briefly discuss your approach to reduce the incidence of nosocomial pneumonia in the Intensive Care Unit.
5. Write short notes on the anion gap.
6. Outline the prevention and management of severe infections due to vancomycin resistant enterococci (VRE).
7. Describe the biochemical abnormalities and clinical findings in a patient with diabetic ketoacidosis.
8. Discuss the uses of the Standardized Mortality Ratio. How may a confidence interval for the Standardized Mortality Ratio be calculated?

9. What would suggest the diagnosis of ruptured thoracic aorta after a motor vehicle collision? How would you confirm the diagnosis?
10. Critically evaluate the role of the non-invasive ventilation in the ICU.
11. What are the determinants of myocardial oxygen supply and demand? How may ICU management adversely affect the balance?
12. What are the differences between pressure support ventilation and pressure control ventilation? Give indications for the use of each mode.
13. Outline the management of critically patients infected with Plasmodium falciparum.
14. Briefly describe the action of noradrenaline. What are its effects on the cardiovascular system?
15. What is your definition of "difficult to wean off mechanical ventilation"? How would you manage such a case?

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