



香港麻醉科醫學院
THE HONG KONG COLLEGE OF ANAESTHESIOLOGISTS
(Incorporated as a Charitable Organisation with Limited Liability in Hong Kong since 1989)



Intermediate Fellowship Examination

Written Paper in Pharmacology

Friday 29th June 2001

14.00hrs to 16.00hrs

ANSWER ALL QUESTIONS (each question is worth equal marks)

1. Outline the adverse effects of non-selective NSAIDs. What improvements have the selective COX-2 inhibitors made to these effects.
2. Compare and contrast remifentanyl with fentanyl.
3. Compare and contrast the cerebrovascular effects of isoflurane and propofol.
4. Compare and contrast the pharmacology of sodium nitroprusside and glyceryl trinitrate.
5. Describe briefly the non-hypnotic effects of ketamine.
6. Outline the disposition of bupivacaine administered into the lumbar epidural space.
7. Outline the factors that determine the onset of neuromuscular block. Compare suxamethonium with rocuronium with regard to this.
8. Dolasetron is a new anti-emetic drug. Describe how you would devise a clinical trial to determine the efficacy of this drug as an anti-emetic in the post-operative period.
9. Outline the pharmacology and clinical uses of mannitol.
10. Describe the extrahepatic metabolism of drugs relevant to anaesthesia.
11. Illustrate with examples how different classes of drugs could alter gastric pH.
12. Outline the factors affecting the uptake of volatile anaesthetic agents.

END OF PAPER