



The Hong Kong College of Anaesthesiologists
Intermediate Fellowship Examination
June/July 2000

Pharmacology Questions

- Question 1. Explain how a local anaesthetic such as lignocaine prevents the conduction of a nerve action potential.*
- Question 2. Outline the actions of an opioid injected into the spinal intrathecal space.*
- Question 3. Describe a dosing regimen that may be used to maintain a constant plasma concentration of propofol.*
- Question 4. Describe the cerebral effects of nitrous oxide.*
- Question 5. Define a 95% confidence interval, why does it provide more information than a P value?*
- Question 6. List the potential clinical uses of an alpha-2 adrenoceptor agonist and outline the limitations of clonidine.*
- Question 7. Illustrate with examples how concurrent administration of drugs could potentiate non-depolarising neuromuscular blockade.*
- Question 8. Classify the pharmacodynamic properties of antiarrhythmic drugs using examples to illustrate.*
- Question 9. Explain why ketamine is often chosen for induction of anaesthesia in patients with poor cardiovascular function.*
- Question 10. Outline the difference between unfractionated heparin and low molecular weight heparin.*
- Question 11. Describe the effects of renal failure on the pharmacology of intravenously administered drugs.*
- Question 12. Discuss factors that affect the bioavailability of orally administered drugs.*