



Hong Kong College of Anaesthesiologists  
Final FHKCA Examination  
June/July 2000  
Paper I Scenario

**Scenario A**

*A 180kg woman is scheduled for a gastric stapling and bypass procedure. She has been smoking 40 cigarettes a day for the past ten years. She has a history of chronic back pain following a car accident some years ago and is taking MST 20mg po bd for this. She is on no other medications.*

- 1. What investigation would you require before anaesthesia? Justify your answer.*
- 2. What impact does her smoking history have on the conduct of anaesthesia for this patient?*
- 3. How do you plan to manage her postoperative analgesia? Include in your answer options you plan to revert to should your first choice prove unsatisfactory.*

**Scenario B**

*A forty year old hepatitis B carrier with cirrhosis and hepatocellular carcinoma is scheduled for right hemi-hepatectomy.*

- 4. Outline the anaesthetic implications relevant to this patient*
- 5. Describe the measures used to prevent transmission of hepatitis B virus to theatre users. How would you sterilise your re-usable equipment?*
- 6. A thoracic epidural catheter was inserted prior to surgery for intra and post operative analgesia. Intra-operative blood loss was 5 litres. Outline the risks involved in removing this catheter. How can these be minimized?**

**Scenario C**

*A fifty eight year old, 50 kg ASA2 (diabetes mellitus well controlled on diet) woman is scheduled for excision of a left acoustic neuroma. SSEP's and facial nerve monitoring will be used intra-operatively.*

- 7. Outline the anaesthetic goals for this woman's surgery and justify your choice of anaesthetic technique*
- 8. Intra-operatively the surgeon tells you that the brain has become quite "tight" over the past few minutes. What action will you take?*
- 9. The brain swelling resolved rapidly with a simple intervention. Surgery was otherwise uneventful lasting 10 hours with 1000mls of blood loss. Will you extubate this woman or keep her ventilated? List the factors you will consider when making your decision and justify your choice.*