



The Hong Kong College of Anaesthesiologists

Diploma in Pain Management Examination

Paper One (Short Questions)

21 October 2011 (Friday)

09:00 – 10:00

Instructions:

- I. The Question Paper carries a total of eight short answer questions.
 - II. Please answer **six** questions only and they carry equal marks.
 - III. Questions **1-4** are **compulsory**. Candidates can choose to answer **2 questions** from Questions **5-8**.
 - IV. Please write your answer for each question in the appropriate "Pre-labelled" Answer Book.
 - V. Record your candidate number and question number on each answer book.
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1. Write brief notes on 'Central Sensitization' and 'Wind-up', with an emphasis on proposed mechanisms. How can you test for these phenomena at the bedside?
 2. A previously self-caring 79 year-old woman is admitted to the ward with a painful acute vertebral crush fracture of T10, following a fall at home. She has chronic renal impairment and has become 'confused', incontinent of urine and bed-bound for 1 week. You notice a left mastectomy scar.
As the acute pain service consultant, outline your management of this case.
 3. Discuss the role of an opioid contract in the management of chronic non-cancer pain.
 4. Your patient's chronic neck pain condition has not responded to pharmacological treatment. List the options for non-pharmacological pain management strategies. Briefly discuss the evidence in support of one of these strategies.
 5. What are Transient Receptor Potential (TRP) Channels? Describe the actions of TRPV1 in analgesia.
 6. What are the clinical characteristics of abdominal visceral pain? Include in your answer a discussion of visceral hyperalgesia.
 7. Discuss the effectiveness and limitations of mirror therapy in pain management.
 8. A 40-year-old male suffers from a 5 year history of paroxysmal attacks of left periorbital pain. Each attack typically lasts for 2 to 3 hours is associated with lacrimation and nasal congestion, and frequently wakes the patient from sleep. What is the likely diagnosis and what further information do you need to confirm it? Outline the management of this condition.

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