



## Hong Kong College of Emergency Medicine

OSCE – 7 Nov 2007

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OSCE November 2007

**Case 1** A 25-year-old gentleman complained of pain and swelling over dorsum of right hand after sustaining a crush injury by a metallic gate.



**Q1. What are the radiological findings? (2 marks)**

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**Q2. What is the other name for the injury? (0.5 mark)**

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**Q3. What are the vectors of force applied to the fracture fragments? (2 marks)**

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**Q4. What is the risk of conservative treatment? (1 mark)**

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**Q5. What treatment option can be offered? (1 mark)**

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**Case 2** A 32-year-old lady with good past health complained of abdominal pain, bloody diarrhea and tenesmus for 1 week. She had a temperature of 37.8°C, and vague tenderness was elicited at central abdominal. Glu 5.3mmol/L, Hb 9.8g/dL, Liver and renal function was normal.



**Q1. What is the radiological finding? (1 mark)**

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**Q2. Name 4 differential diagnoses? (4 marks)**

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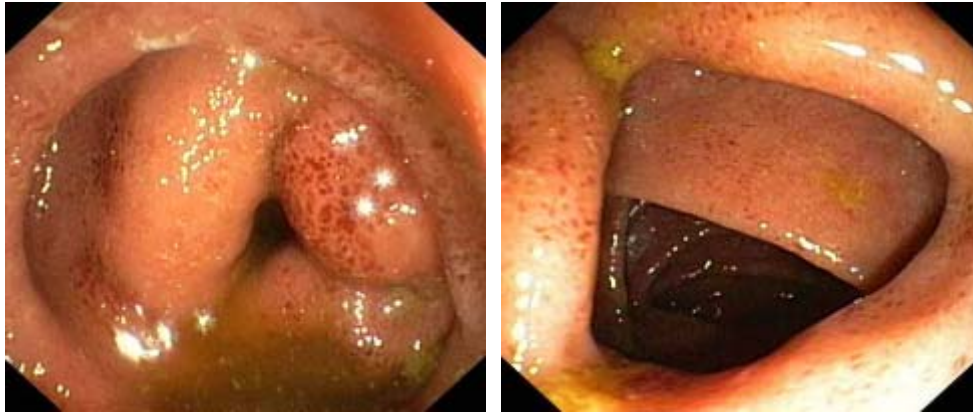
**Q3. Name 3 appropriate investigations? (3 marks)**

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Patient was discharged. Colonoscopy was performed in private hospital.



**Q4. What is the diagnosis? (1 mark)**

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**Q5. How to treat this patient? (2 marks)**

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**Case 3** An 11-year-old child was unable to lift his left upper limb after a sprain 1 month ago. On physical examination, a palpable bony mass was found underneath deltoid. Neurovascular status was intact. There was limitation of forward flexion and abduction of the shoulder.



**Q1. What are the radiological findings? (1.5 marks)**

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**Q2. What are your differentials? (2 marks)**

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**Q3. What investigations are relevant? (3 marks)**

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**Case 4** A 14-year-old girl sustained a bicycle injury. She lost control & fell from her bicycle. She had abdominal pain and vomited once. There was tenderness at epigastrium, and no concomitant injuries were found.



**Q1. What is shown in the clinical photo? (1 mark)**

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**Q2. What is the likely mechanism? (1 mark)**

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**Q3. Name 4 related injuries to look for? (4 marks)**

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**Q4. How to minimize such type of injury by safer product design? (2 marks)**

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**Case 5** A 17-year-old student attended AED 2 weeks ago for right ankle pain after running. There was no definite trauma history. Mild tenderness was noted over lateral malleolus, and initial X rays were normal. He came back for persistent pain.



**Q1. What is the diagnosis? (1 mark)**

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**Q2. What are the possible risk factors? (2 marks)**

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**Q3. What imagings are useful in early phase?**

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**Q4. What is “gray cortex” sign? (0.5 mark)**

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**Q5. What are 2 phases of treatments?**

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**Q6. Name 2 high risk areas for conservative treatments. (2 marks)**

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**Case 6** A 52-year-old gentleman attended for agitation and confusion after taken herbal soup for cough, made from self-pricked wild plants 3 hours ago. Blood pressure was stable and pulse rate was 68 bpm. His body temperature was 36.9, with normal skin condition. Pupils were 4 mm unreactive. He also complained of inability to pass urine.



**Q1. What is the likely toxidrome? (1 mark)**

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**Q2. Name 3 types of herbal medicine that may be responsible. (3 marks)**

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**Q3. What are the appropriate treatments? (3 marks)**

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**Q4. What are the precautions in giving the treatments in Q3? (3 marks)**

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**Case 7** A 26-year-old policeman complained of activity-related knee pain for 6 months. There was no history of trauma. He was walking with limping gait and maximum tenderness was seen at antero-medial aspect of knee.



**Q1. What is the radiological diagnosis? (1.5 marks)**

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**Q2. What additional imagings are helpful? (2 marks)**

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**Q3. What is the initial management? (2 marks)**

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**Q4. What are the indications for surgery? (2 marks)**

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**Q5. Name 2 other common sites. (2 marks)**

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These are the X rays taken 3 months later.

