

**AUSTRALASIAN COLLEGE FOR EMERGENCY MEDICINE  
FELLOWSHIP EXAMINATION  
5 AUGUST 2009 - PART C**

**Question 3**

A 59 year old obese man receives 5 mg of intravenous morphine for analgesia for abdominal pain. Thirty minutes later, his GCS has fallen to 12 and investigations are performed.

Describe and interpret his investigations.

(100%)

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**Question 3** Arterial blood gas and serum biochemistry

			Reference Range
FiO <sub>2</sub>	0.21		
pH	7.24		7.35-7.45
pCO <sub>2</sub>	92	mmHg	35-45
pO <sub>2</sub>	45	mmHg	80-95
Bicarbonate	49	mmol/L	22-28
Base excess	10		-3 - +3
O <sub>2</sub> saturation	78	%	> 95
Lactate	1.2	mmol/L	< 1.3
Na <sup>+</sup>	142	mmol/L	134-146
K <sup>+</sup>	3.8	mmol/L	3.4-5
Cl <sup>-</sup>	86	mmol/L	98-106
Glucose	11.4	mmol/L	3.5-5.5
Haemoglobin	184	g/L	135-180
Carboxy Hb	7	%	< 6%

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**Question 4**

A 38 year old woman presents with severe pain in her right foot after a fall from her motorcycle 2 hours earlier. She has no other injuries.

- a. Describe and interpret her X-rays (50%)
- b. Outline your management (50%)

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**Question 4 X-ray**

**AP**



**Lateral**

