

**Department of Emergency Medicine
Prince of Wales Hospital**

**ACEM NSW
Fellowship Exam Practice
(2019.1)
28 February 2019**

**Short Answer Questions
Booklet 2
Questions 10-18**

Directions to Candidates

1. Write your name on the front page of each question booklet.
2. Write your initials on each subsequent page.
3. Answer each question in the space provided.
4. No exam papers or materials to leave the room.

Candidate name: _____

Candidate initials: _____

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Candidate initials: _____

SAQ 10 (this is a double question- 20 marks)

The surgeon at your hospital brings in his 3 year old son. The child fell and sustained a 10cm laceration to the lateral aspect of his upper thigh. He does not have any other injury. You decide that you will use ketamine for procedural sedation and analgesia.

1. What information about his son do you need from the father? (3 marks)

2. His father asks for the potential adverse effects in patients. What would you tell him? (6 marks)

Candidate initials: _____

3. His father has read about the dissociative state associated with ketamine. He asks what that might look like in his son. What would you tell him? (3 marks)

Candidate initials: _____

4. He asks what benefits there are for using ketamine. What would you tell him? (4 marks)

Candidate initials: _____

He is now convinced.

5. He thanks you but asks you what drugs and what doses you are going to use. What would you tell him? (4 marks)

Candidate initials: _____

SAQ 11 (10 marks)

A 35 year old man presents to the ED with palpitations for the last 3 hours. He says he has had this before. He cannot remember the cause of his palpitations.

His BP is 115/70, RR 20/min, SaO₂ 98% RA, Temp 36C.

Please refer to his ECG in the PROPs Booklet:

1. What is your interpretation of the ECG and give your reason(s)? (3 marks)

Candidate initials: _____

2. What is your management of his palpitation and why? (3 marks)

3. Please see patient's post treatment ECG in the PROPS Booklet. What is your interpretation of his ECG? Provide your rationale for this answer (2 marks)

Candidate initials: _____

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Candidate initials: _____

2. List the 4 other main biochemical abnormalities and their significance. (4 marks)

1. _____

2. _____

3. _____

4. _____

Candidate initials: _____

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Candidate initials: _____

3. He is becoming more verbally aggressive during your assessment. What medications can you use, providing doses and route? (4 marks)

SAQ 14 (10 marks)

You are working in the ED with another staff specialist (SS) whose behaviour is erratic. You can smell alcohol on his breath.

1. What actions would you take? (4 marks)

2. In what clinical situations does mandatory reporting apply? (2 marks)

Candidate initials: _____

3. What constitutes notifiable conduct? (4 marks)

SAQ 15 (10 marks)

A 24 year old fell off her pushbike. She landed on her outstretched dominant right hand. She has pain in the wrist with no swelling.

On examination, you suspect she may have a scaphoid fracture.

1. What 2 examination findings did you look for to support your suspicion? (2 marks)

1. _____

2. _____

2. Her Xrays including a scaphoid view did not show a fracture. Indicate 2 other investigations you may select to look for a scaphoid fracture. Fill in the table below. (6 marks)

Modality	Advantages	Disadvantages

Candidate initials: _____

3. Her CT shows a scaphoid fracture at the waist. Name 2 indications for surgical intervention.
(2 marks)

1. _____

2. _____

SAQ 16 (10 marks)

A mother runs into your ED with her 3 year old.

She was found in the bath by her mother.

On arrival, she is unresponsive, RR 8/min and no peripheral pulse was felt.

1. What is your immediate response? (1 mark)

Her cardiac monitor shows sinus bradycardia with occasional sinus arrest. Your airway team is attending to her airway and breathing.

2. How would you manage her circulation? (5 marks)

Candidate initials: _____

3. The mother asks whether her daughter will survive. What are the clinical prognostic factors for survival in near-drowning?(4 marks)

Candidate initials: _____

SAQ 17 (10 marks)

13 yo boy presents with intense pain in his leg after swimming in the ocean. His parents brought him straight to ED.

1. Refer to image in PROPS BOOKLET. Describe the abnormality. (2 marks)

2. What is the most likely diagnosis? (2 marks)

Candidate initials: _____

3. List 1 other possible differential diagnosis? (1 mark)

During your assessment, he became unresponsive and you could not feel a pulse.

4. What is your immediate action? (1 mark)

5. What are 4 other important aspects to his immediate management? Include doses and endpoints where applicable.(4 marks)

1.

2.

3.

4.

Candidate initials: _____

SAQ 18 (10 marks)

A 31 year old brought in by ambulance with dyspnoea.

He has a history of asthma.

His vital signs are:

RR 38/min SaO₂ 96% on Hudson mask at 8L/min

HR 140

BP 140/78

Temp 36C

GCS – scored as 14 E4, V4 confused, M6

His VBG: pH 7.33 pCO₂ 39.4 HCO₃ 20.3 Lactate 4.3

1 You decide to use Non Invasive Ventilation. What management options would you use with the aim of avoiding intubation and invasive ventilation? Fill in the table below. (6 marks)

Management options	Intervention	Rationale
First line interventions		
Second line interventions		
Third line interventions		

