

Candidate name: _____

PAH 2019.2 trial SAQ paper

PART 3

Questions 19 - 27

1 hour

Candidate initials: _____

Q19 (12 min)

A 60 year old Indigenous man has presented with lethargy.

He has end-stage renal failure due to type 2 diabetes mellitus.

He has missed his last three sessions of haemodialysis.

- 1. List 4 indications for emergent haemodialysis in this man. (4 marks)**

You note that the patient attended ED twice in the last week but discharged against medical advice on both occasions.

- 2. List 4 strategies recommended by ACEM in the *Statement on Culturally Competent Care and Cultural Safety* that could be employed to ensure culturally safe patient-centred care for this man. (4 marks)**

1) _____

2) _____

3) _____

4) _____

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An ECG was taken and is provided in the **PROPS BOOKLET**.

3. State the main pathology with 3 supportive features on the ECG. (4 marks)

Main pathology

Supportive features

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4. In the following table, list 4 medications you could use to manage the pathology identified on the ECG prior to haemodialysis. For each, state the mechanism of action and expected time to onset. (12 marks)

Medication	Mechanism of action	Time to onset of action

Candidate initials: _____

Q20

A 22 year old woman has presented with left lower quadrant abdominal pain.

- 1. List 4 features on history that would raise suspicion of Pelvic Inflammatory Disease (PID). (4 marks)**

You suspect she has PID.

- 2. List 4 investigations you may perform. Provide the justification for each. (4 marks)**

Investigation	Justification

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Your assessment is consistent with uncomplicated PID. The patient is suitable for outpatient management.

3. State 4 components in the management of this patient. (4 marks)

1) _____

2) _____

3) _____

4) _____

Candidate initials: _____

Q21

You are expecting the arrival of a 2 year old boy who has been found unconscious at the bottom of a pool. The child was in cardio-respiratory arrest on arrival of the ambulance. Initial resuscitation measures have achieved return of circulation.

- 1. In the table provided, list 4 complications you will prepare to manage in the ED. For each, state your management. (8 marks)**

Complication	Management

Candidate initials: _____

The child's parents have arrived soon after the ambulance.

- 2. List 3 benefits to parental presence during the ongoing resuscitation of this patient.**
(3 marks)

1) _____

2) _____

3) _____

Q22

An 18 month old boy has been referred to the ED with general lethargy.

The patient's GP had performed a Haemoglobin level which was found to be:

Hb 62 g/L (reference range 110 – 150 g/L)

- 1. List 6 potential causes for this result. For each, list one supportive finding you would seek from a full blood count (FBC) or film. (12 marks)**

Cause	Finding from FBC or film

Q23

The ambulance service has called to notify you of the impending arrival of a 65 year old man with Acute Pulmonary Oedema.

- 1. List 4 potential precipitants you will seek on assessment. (4 marks)**

On arrival, the patient is severely short of breath.

Your assessment is consistent with Acute Pulmonary Oedema.

The patient has the following vital signs:

GCS	15	
Pulse	110	/min
BP	210/110	mmHg
RR	40	/min
O ₂ sats	88%	15L O ₂ via non-rebreather mask

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2. Complete the tables for the 2 key aspects of your treatment. (8 marks)

Treatment	
Details of initial prescription	
Mechanism of action	
End-point	

Treatment	
Details of initial prescription	
Mechanism of action	
End-point	

Candidate initials: _____

Q24

A 50 year old woman has presented with a painful, red foot.

She has a past medical history of Type 2 Diabetes Mellitus, hypertension and smoking.

A clinical photo is provided in the **PROPS BOOKLET**.

1. List 4 findings from this photo. (4 marks)

2. State your clinical impression. (2 marks)

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3. List 6 investigations you might perform on this patient. Provide justification for each.
(6 marks)

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

Candidate initials: _____

Q25

A 45 year old man has been brought to your tertiary ED. The patient had a high speed motor vehicle accident and was initially managed at a rural hospital prior to helicopter retrieval.

A chest x-ray was taken on arrival and has been provided in the **PROPS BOOKLET**.

1. List 4 injuries evident on the x-ray. Provide radiographic evidence for each. (8 marks)

Injury	Radiographic evidence

Candidate initials: _____

The patient is profoundly hypoxic.

2. State 3 measures you would institute to improve the patient's oxygenation. (3 marks)

1) _____

2) _____

3) _____

Candidate initials: _____

Q26

A 28 year old man has presented after falling on to his right arm while playing basketball.

X-rays (AP and lateral) are provided in the **PROPS BOOKLET**.

1. State the two major abnormalities on the x-rays. (2 marks)

1) _____

2) _____

2. List 3 potential immediate complications of this injury. For each, state the examination findings that would indicate its presence. (6 marks)

Complication	Examination findings

Candidate initials: _____

Your assessment reveals no immediate complications.

3. State 3 components of your management of this patient. (3 marks)

1) _____

2) _____

3) _____

Candidate initials: _____

Q27

A 45 year old woman has presented with a headache.

- 1. List 4 features of your history that would be consistent with the diagnosis of migraine. (4 marks)**

Your assessment is consistent with migraine as the cause of the patient's symptoms.

- 2. List 3 first line treatment options, each from different pharmacological classes. Include doses. (3 marks)**

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Your first line management has been unsuccessful.

3. List 2 options for treating intractable migraine. Include doses. (2 marks)

After a period of observation, the patient has greatly improved. On further questioning, it has become evident that the patient has been suffering from frequent migraines. She has enquired about migraine prophylaxis.

4. List 3 drugs that can be used for migraine prophylaxis. (3 marks)
