

Candidate name: _____

PAH 2019.2 trial SAQ paper

PART 2

Questions 10 - 18

1 hour

Q10

A 3 year old boy has been brought to the ED with anaphylaxis related to an inadvertent ingestion of nuts at a day-care facility.

The child has an urticarial rash and wheeze with normal vital signs.

- 1. State your most important initial management step. (1 mark)**

Despite your initial management, the child has become more unwell.

His vital signs are:

AVPU	alert	
Pulse	180	/min
BP	65/40	mmHg
RR	40	/min
O2 sats	90%	room air

He has worsening wheeze and looks pale.

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2. State 4 components of your further management of this child. (4 marks)

1) _____

2) _____

3) _____

4) _____

3. List 4 indications for intubation that might arise in this patient. (4 marks)

Candidate initials: _____

Your management was successful and there was no requirement for airway intervention. He was admitted for overnight observation.

4. List 3 components of your discharge plan with respect to EpiPen prescription. (3 marks)

1) _____

2) _____

3) _____

Candidate initials: _____

Q11

A 58 year old woman has presented to the ED with confusion. She has a background of chronic liver disease due to alcoholism.

1. List the components of the Child-Pugh score for chronic liver disease (numeric values not required). (5 marks)

Candidate initials: _____

Your assessment is consistent with hepatic encephalopathy.

2. List 5 potential causes of this exacerbation of her chronic liver disease. For each, state how you will confirm its presence. (5 marks)

Cause	Confirmatory evidence

Candidate initials: _____

Q12 (9 min)

A 45 year old man has been brought to the ED after falling off a horse.

An x-ray of his pelvis is provided in the **PROPS BOOKLET**.

1. List 4 significant x-ray findings. (4 marks)

2. Classify the injury using the Young-Burgess system. (1 mark)

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3. List 4 potential complications of this injury.

For each complication, state:

a) an assessment finding (history, examination or investigation) that would confirm its presence and,

b) the definitive management. (12 marks)

Complication	Assessment finding	Definitive management

Candidate initials: _____

Q13

A 70 year old man has been brought to the ED by his daughter. He has had increasing confusion for the last week. He lives alone and is unable to give any useful history.

His documented medical history includes hypertension, atrial fibrillation and ischaemic heart disease. His documented medications are: indapamide, Ramipril, atorvastatin, metoprolol and warfarin.

A CT scan of his head is provided in the **PROPS BOOKLET**.

1. State your diagnosis, with 4 supportive findings demonstrated in the image provided.
(5 marks)

Diagnosis

Supportive findings

Candidate initials: _____

2. List 5 further investigations you would perform on this man. Provide justification for each.
(5 marks)

Investigation	Justification

Candidate initials: _____

The patient's INR is 7.1.

3. State your management with regards to warfarin reversal. Include your end-point.
(2 points)

Candidate initials: _____

Q14

A 25 year old woman has presented with a fever 10 days following a renal transplant.

Her other medical history includes systemic lupus erythematosus.

- 1. List 6 likely causes of her fever. For each, state the investigative finding that would support its presence. (12 marks)**

Cause

Investigative finding

Cause

Investigative finding

Candidate initials: _____

Cause

Investigative finding

Cause

Investigative finding

Cause

Investigative finding

Cause

Investigative finding

Candidate initials: _____

Q15 (9min)

A 45 year old woman has presented with intermittent dizziness for the last few hours.

Shortly after arrival, the patient had an ECG recorded during a prolonged dizzy spell.

The ECG is provided in the **PROPS BOOKLET**.

1. State your diagnosis. (1 mark)

2. List 3 supportive features from the ECG. (3 marks)

3. List 5 potential causes of this problem. (5 marks)

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The patient has the following vital signs:

GCS	14	E4 V4 M6
BP	75/45	mmHg
RR	25	/min
O2 sats	99%	room air

The patient has been moved to a resuscitation room.

4. State 3 components of your initial management. (3 marks)

1) _____

2) _____

3) _____

Candidate initials: _____

Your initial management was successful, however the patient continues to have recurrent episodes of the same arrhythmia.

The patient remains conscious.

5. List 2 options for the subsequent management of this situation. Provide brief details for each option. (4 marks)

Option	Details

Candidate initials: _____

Q16

A 65 year old woman has presented with difficulty breathing. She has been unwell for 2 days with increasing shortness of breath and cough, productive of green sputum.

She has a history of smoking and chronic obstructive airways disease.

An arterial blood gas has been taken and is provided in the **PROPS BOOKLET**.

1. State 2 conclusions from the results provided. Provide evidence for each conclusion.

(4 marks)

1) _____

2) _____

Candidate initials: _____

On examination, the patient is severely short of breath with generalised wheeze and globally decreased breath sounds.

Her vital signs are:

GCS 15
Pulse 110 /min
BP 135/80 mmHg
Temperature 38.2 degrees

2. List 4 components of your management. For each component, provide details of your initial strategy. (8 marks)

Management	Details

Candidate initials: _____

Q17

A 47 year old man has presented with low back pain of 3 days duration. Your initial assessment is that there is no intercurrent illness.

You are considering the role of MRI in this patient.

- 1. List 4 indications for MRI from your history. (4 marks)**

- 2. List 4 indications for MRI from your examination. (4 marks)**

Candidate initials: _____

Your assessment is consistent with uncomplicated low back pain of muscular origin. MRI is not indicated.

You have elected to admit the patient to your short stay unit.

3. State 4 benefits of short stay admission when compared with discharge home. (4 marks)

1) _____

2) _____

3) _____

4) _____

Candidate initials: _____

Q18

A 3 year old child has been brought to the ED with pain in the right ear for the last 2 days.

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

1. State your diagnosis. Include 3 supportive findings from the clinical photo. (4 marks)

Diagnosis

Supportive findings

2. State 3 options for analgesia, with doses. (3 marks)

Candidate initials: _____

3. List 3 indications for antibiotic treatment of this condition. (3 marks)

4. List 3 potential complications of this condition. (3 marks)
