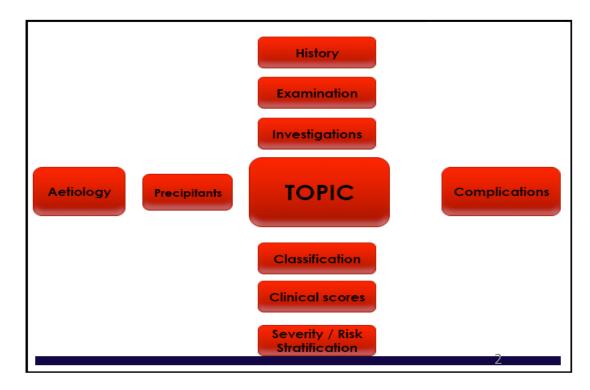


How to use this book:

- Complete SAQs
- < 3 months until exam: Exam conditions focus on clear answers 'to time'
- 3-6 months until exam: Transition towards exam conditions
- > 6 months until exam: Open book is ok, 'focus on good answers and developing knowledge acquisition
- 2) Read and study around SAQ
- Use each SAQ as motivation to study around the individual topic
- Think about the different ways the topic could come up in the SAQ exam (use the topic structure provided by APEM course)
- 3) Write SAQs to further develop this program
- Review syllabus of medical expertise
- Create SAQs relating to topics not covered in this book, please format to be in exam-format, include answers
- This will help further develop this program as well as help you think like an examiner
- Return to ben.shepherd86@gmail.com

ALL THE BEST!



4.5 Abdominal

- a) Assessment and management of abdominal pain DIS Ex
- b) Pancreatitis DIS H
- c) Cholelithiasis DIS H
- d) Cholecystitis DIS H
- e) Cholangitis DIS H
- f) Non-traumatic splenic rupture DIS H
- g) Bowel obstruction
 - i) Post-surgical adhesions DIS H
 - ii) Malrotation DIS G
 - iii) Volvulus DIS H
 - iv) Congenital pyloric stenosis DIS H
 - v) Intussusception DIS H
 - vi) Insertion of a nasogastric tube P Ex
- h) Diverticular disease DIS H
- i) Meckel's diverticulum DIS H
- j) Perforated viscus DIS H
- k) Acute appendicitis DIS H
- Peritoneal adhesions DIS H
- m) Ischaemic colitis DIS H
- n) Peritonitis DIS H
- o) Retroperitoneal haematoma DIS H
- p) Intra-abdominal/retroperitoneal abscesses DIS H

4.15 Breast

b) Mastitis DIS H

c) Breast abscess DIS H

a) Carcinoma of the breast DIS G

- q) Hernias DIS H
- r) Tumours DIS G
- s) Constipation DIS G

4.6 Anorectal

- a) Haemorrhoids DIS H
- b) Perianal haematoma DIS H
- c) Anal fissure DIS H
- d) Anorectal abscesses DIS H
- e) Pilonidal disease DIS G
- f) Rectal bleeding DIS H
- g) Rectal prolapse DIS H
- h) Idiopathic anal pain DIS G
- i) Radiation proctitis DIS G
- j) Proctoscopy and sigmoidoscopy P H
- k) Rectal foreign bodies DIS Ex

General Surgery

COLUMN "LO" – CATEGORIES OF LEARNING OBJECTIVES DIS - Diseases/Injuries/Symptoms D - Pharmacological & toxicological age

E - Physical Examination

M - Medical Interventions

I - Investigations

D - Pharmacological & toxicological agents
P - Procedures S - Systems
Eq - Equipment NCI - Non-clinical/clinical interface
T - Theories

LEVELS OF PRACTICE

Ex - Expert

COLUMN "LP" -

3

H - High

G - General

		s with right upper quadrant pain and jaundice for 3 of cholelithiasis and a penicillin sensitivity producing a	List four (4) management priorities.
Her observations	are as follow	vs:	
BP	95/70	mmHg	
HR	125	/min	
RR	24	/min	
O ₂ saturations	99%	on room air	
Temperature	39.2	°C	
GCS	15	O	
003	15		
1. What is the pre	esumptive dia	agnosis?	The woman responds to your treatment and her vital signs normalise. You are asked to write ongoing orders for admission. List 4 orders and their doses.
2. List four (4) im	portant inves	stigations to obtain in this woman.	
			_
			_
			_
			_

A 25 year old lady presents with severe epigastric pain and vomiting. Her biochemistry results are shown below.

1. What is your diagnosis?

Biochemistry

			Reference range
Na	132	mmol/L	135 - 145
K	3.9	mmol/L	3.5 - 5.0
CI	101	mmol/L	101 - 111
HCO3	24	mmol/L	22 - 32
Urea	4.6	mmol/L	2.5 - 7.8
Creat	60	umol/L	40 - 80
ALP	248	U/L	30 - 120
GGT	309	U/L	7 - 64
AST	27	U/L	10 - 50
ALT	55	U/L	7 - 56
Bilirubin	43	umol/L	0 – 20
Lipase	448	U/L	0 - 60

2. What are the two (2) most likely underlying causes and why?

List four (4) complications of this condition.

4. List five (5) features that will help determine prognosis on admission?

)

A 78 year old woman from a nursing home presents with generalised abdominal pain and vomiting for the past 24 hours.

Her observations are as follows:

BP	165/82	mmHg
HR	90	/min
RR	20	/min
O ₂ saturations	96%	on room air
Temperature	36.2	°C

GCS 14 (E4, V4, M6) normal for patient

An AXR is taken and shows no obstruction. Her CXR is shown below:



What is the presumptive diagnosis?
List five (5) important features demonstrated on this xray. Include three (3) positive and two (2) negative findings.
List four (4) immediate management priorities.
4. What is the role of a nasogastric tube in this patient?

An abdominal x-ray is organised by triage on arrival.
The X-ray is shown in the prop booklet supplied - page 7.
i. What is the diagnosis based on this X-ray? List three (3) radiological features that support your diagnosis.
Diagnosis:
1
2
3
ii. List four (4) possible complications of this condition.
1
2
3
4
iii. List three (3) initial treatment steps.
1
2
3

An 83 year old female is transferred to your emergency department with severe abdominal

pain.

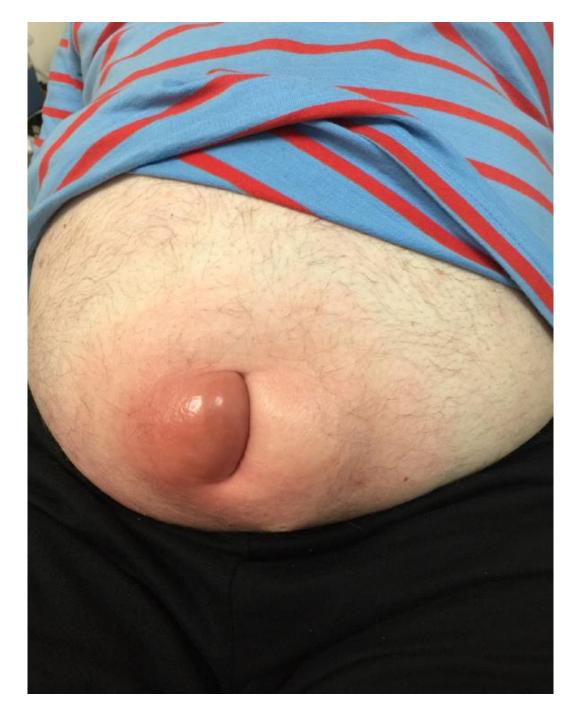


iv. List four (4) possible dispositions for this patient and one (1) factor for each that would make that disposition appropriate for this patient.

	Disposition	Patient factor
1		
2		
3		
4		

A 75 year old man presents with abdominal pain for the preceding 48 hours. He has a history of NIDDM, and Congestive cardiac failure.

A Photo of his abdomen is shown in PROPS booklet ;page 12.			
1. List two (2) differential diagnosis for this patient.(2 marks)			
1			
2			
	3) features on history and three (3) features of examination that will atient's management (6 marks)		
History			
1.			
2.			
3.			
Examination			
1.			
2.			
3.			



 List five (5) management priorities for this patient and provide one (1) detail for each. (10 marks)

	Management Priority	Detail
1		
2		
3		
4		
5		

A 70 year old woman is referred to the emergency department with abdominal pain and vomiting for the last 24 hours.

Her vital signs are:

BP 95/50 mmHg

HR 95 beats/min

RR 28 /min

Temperature 37.2 °C

Her abdominal and chest X-rays are below. There are two (2) images.





i.	What is the diagnosis based on this X-ray? List three (3) radiological features that support your diagnosis.	iv.		able which lists your three (3) management tasks and explain how and why you would achieve each of them.
Diagr	nosis:		Management tasks	Method and rationale for achievement
1		1		
2				1.
3				
	/4			2.
ii.	List three (3) risk factors that predispose to this condition.	2		
1				1.
2				
3				2.
	/3	3		
iii. 1.	List three (3) possible complications of this condition.			1.
2				2.
3.				

A 40 year old woman presents to your emergency department with right side abdominal pain.

Her relevant vital signs are:

HR 110 beats/min

BP 96/70 mmHg

Temperature 39 °C



i.	What is the diagnosis? Provide two (2) radiological features to support your diagnosis.
Di	agnosis:
	/3
ii.	Name an incidental abnormality also on this abdominal CT.
	/1
iii.	Name one (1) CT finding which, if present, would suggest the need for an emergent operation for this condition.
	12

iv.	Complete the table below by listing four (4) important management tasks (specify
	details and drugs if appropriate).

	Management tasks	Details
1		
2		
3		
4		

A GP has referred a 54 yr old male to your Emergency Department with pancreatitis. He complains of 2 days of epigastric pain and vomiting. His serum lipase is 4300 [lab normal <60].

a. List 8 potential causes for this patient's pancreatitis (4 Marks)	
1.	-
2.	c. List 6 factors which suggest severe pancreatitis (3 Marks)
3.	<u>1.</u>
4.	<u>2.</u>
5.	3.
6.	-
7.	<u>4.</u> -
8.	<u>5.</u> -
b. List 4 potential complications from pancreatitis (4 Marks)	6.
1.	-
2.	-

pancrea	pancreatitis.				
1) List 6	1) List 6 potential aetiologies of this condition (3 marks).				
i.					
ii.					
iii.					
iv.					
v.					
vi.					
VI.					
2) List 1	L biochemical severity scoring systems us	ed to predict this condition with 4 criteria (4 marks).			
Scoring	g System:				
Criteria	ĸ				
i.					
1.					
ii.					
iii.					
iv.					
3) List 3	3) List 3 local and 3 systemic complications of this condition (3 marks).				
	LOCAL	SYSTEMIC			

A 60 year female presents to your ED with a clinical history and examination suggesting acute

Vital signs: RR 22 HR 50 Sats 95% RA BP 90/60 Temp 36.2 °C a. List 10 potential causes of his pr bleed (5 Marks)

A 72yr old male presents to your Emergency Department following an episode of bright red pr

bleeding. He estimates he lost a cup of blood and felt dizzy during the episode. His medications include rivaroxaban, nifedipine, metoprolol and frusemide.

performed.
a. Describe & interpret the patient's abdominal x-ray (4 Marks)
b. List 8 potential complications in this patient (4 Marks)
1.
2.
3.
4.
<u>5.</u>
6.
7.
8.

A 26yr old male presents to your Emergency Department complaining of constipation for 4 days. He has been seen by the Emergency Department Intern and an abdominal x-ray has been

c. List 4 indications for surgical referral for removal in patients with this presentation. (2 Mark	C
1.	
2.	
3.	



4.10 Urology

- a) Renal colic DIS E
- b) Urinary catheter insertion P Ex
- c) Suprapubic catheter insertion P Ex
- d) Urinary retention DIS H
- e) Obstructive uropathy DIS H
- f) Vesico-ureteric reflux DIS G
- g) Assessment and management of haematuria DIS G
- h) Urethritis DIS G
- i) Balantitis DIS G
- j) Prostatic hypertrophy DIS G
- k) Tumours DIS G
- I) Acute scrotum
 - i) Epididymitis DIS H
 - ii) Orchitis DIS H
 - iii) Testicular torsion DIS H
 - iv) Torsion of the testicular appendage DIS H
- m) Priapism DIS H
- n) Phimosis/paraphimosis DIS H

Urology

COLUMN "LO" - CATEGORIES OF LEARNING OBJECTIVES

COLUMN "LP" – LEVELS OF PRACTICE

DIS -	Diseases/Injuries/Symptoms	D - Pharmacological & toxico	logical agents	Ex - Expert
E -	Physical Examination	P - Procedures	S - Systems	H - High
1 -	Investigations	Eq - Equipment	NCI - Non-clinical/clinical interface	G - General
М -	Medical Interventions	T - Theories		

TΩ

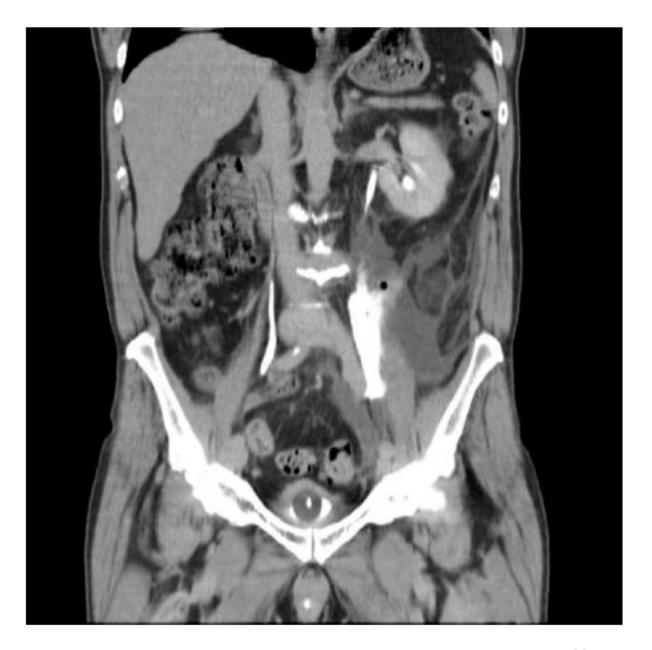
A 68 year old man presents 2 days after a prostate biopsy with fever and rigors.					
His observations	His observations are as follows:				
HR BP RR O ₂ saturations Temperature	120 90/50 16 98% 39	/min mmHg /min on room air °C			
1. What is the mo	st likely orga	nism?			
2. What antibiotic	What antibiotic and dose will you administer?				
What was the conclusion of the ARISE trial on sepsis and EGDT?					
List four (4) potential uses of bedside ultrasound in this patient.					

A 45 year-old male presents to the Emergency Department with a 2-week history of left lumbar pain associated with nausea and vomiting. There is no history of trauma .Physical examination reveals significant tenderness on the left flank. Abdomen is not distended and bowel sounds are normal. He Investigations show normal FBE and U+E. Urine analysis shows 3+ blood

A plain abdominal radiograph shows no abnormality.

A CT IVP is performed and shown in the PROPS booklet - page 3

. !	List Four (4) positive findings in his imaging.(4 marks)
Li	ist three (3) likely differential diagnoses for this patient (3 marks)



3. _____

3. List two (2) early and three (3) expected late complications (5 marks)
1. Early
2. Early
3. Late
4. Late
5. Late
4. List four (4) risk factors for contrast-induced nephropathy (4 marks)
1
2
3
4

A 49-year-old man presents to your regional Emergency Department with haematuria. You order a CT KUB and it's shown in PROPS booklet; page 7. a) State three (3) abnormalities in his CT KUB (3 marks). 1. _____ b) State the most likely diagnosis. (1 mark) c) List five (5) symptoms (other than haematuria) ,that this patient may experience. (5 marks).



d) List 3 renal and 3 non renal causes requiring urgent renal replacement therapy?(6 marks)

	Renal	Non Renal
1		
2		
3		

A 34 year old man presents to your Emergency department with a lesion on his penis.			
List Four	r (4) collateral historical features to help differentiate your di	iagnosis ? (4 marks)	

b) List Three (3) differential diagnosis with two (2) distinguishing features for each and provide one (1) treatment option for each condition? (12 marks)

	DDx	Distinguishing feature	Treatment
1			
2			
3			24

	2 year old male presents with 8 ho your ED.	our history of painful erection, without any preceding trauma,
a)	List five (5) likely causes of his p	riapism. (5 marks)
1.		
2.		
3.		
4.		
5.		
	List three (3) investigations useful each (3 marks)	in elucidating the aetiology of priapism with one justification
	Investigation	Justification
1		
2		

c) State two (2) interventions and two (2) medications (with detail) that you would use in management of priapism. (4 marks)
Interventions:
1.
2
Medications:
1.
2

A 40 year old man presents with delirium, scrotal pain and temperature of 39 $^{\circ}$ C. A clinical image of the patient's perineum is on the next page.

a. Describe and interpret the clinical image (5 Marks)
b. Outline your management (5 Marks)



A 60 year old paraplegic man is complaining of chills and rigors. He is a Type 2 diabetic on metformin.

Vital signs T 39 deg C P 90 BP 110/70 RR 18 SaO2 99% RA

A CLINICAL IMAGE IS SHOWN IN THE PROPS BOOKLET, PAGE 10

	Describe the image and list your provisional diagnosis (2 marks)
_	
_	
_	
	List 4 predisposing factors for this condition (4 marks)
_	
_	
_	



iii.	List 5 important investigations you will order and outline your reasoning (10 marks)
iv.	Repeat vital signs are pulse 110, BP 85/60, and RR 24. Outline your early management steps. Provide doses and end points where appropriate (5 marks)

A clinical photo is p	provided in the P	ROPS BOOKLET.	
1. State the o	diagnosis.		(1 mark)
2. List 3 findi	ngs in the photo	that support your diagnosis.	(3 marks)
His vital signs are:			
GCS	14	E4 V4 M6	
Pulse	120	/min	
BP	90/45	mmHg	
O2 saturation	99%	room air	
Temperature	39.5	degrees	



(3 marks

1. List 4 possible causes of priapism in this patient (2 marks). ii. 2. Outline 5 key management steps for this patient (5 marks). ii. ٧. 3. What is the most significant complication of priapism? (0.5 mark). 4. What are 2 important factors in determining prognosis? (1 mark).

A 45-year old African man presents to a rural ED with priapism of 2 hours duration. He is extremely

distressed with severe penile pain.

5. List and justify 3 investigations for this patient (1.5 marks).

	Investigation	Justification
1.		
2.		
3.		

	56 year old man presents to the ED with priapism. He states he has had an erection ithout arousal for the past 7 hours.
i.	What complications can occur if this condition is untreated (2 marks)
ii.	Describe the role of cavernosal blood gas analysis in determining the cause of priapism (2 marks)
iii.	List 2 other investigations that might be indicated. Provide a brief justification for each (4 marks)
_	
iv.	You are in a small hospital with no urological service. Outline your emergency department management of this condition (3 marks)

4.9 Neurosurgical

- a) Intracranial aneurysms DIS G
- b) AV malformations DIS G
- c) Subarachnoid haemorrhage DIS H
- d) Cerebral tumours DIS G
- e) Shunt complications DIS H
- f) Management of elevated intracranial pressure DIS H
- g) Intracranial abscesses DIS H
- h) Cerebral venous thrombosis DIS G
- i) Spinal epidural abscess DIS H
- j) Intravertebral disc disease DIS G
- k) Spinal stenosis DIS G

Neurosurgery

COLUMN "LO" - CATEGORIES OF LEARNING OBJECTIVES

COLUMN "LP" – LEVELS OF PRACTICE

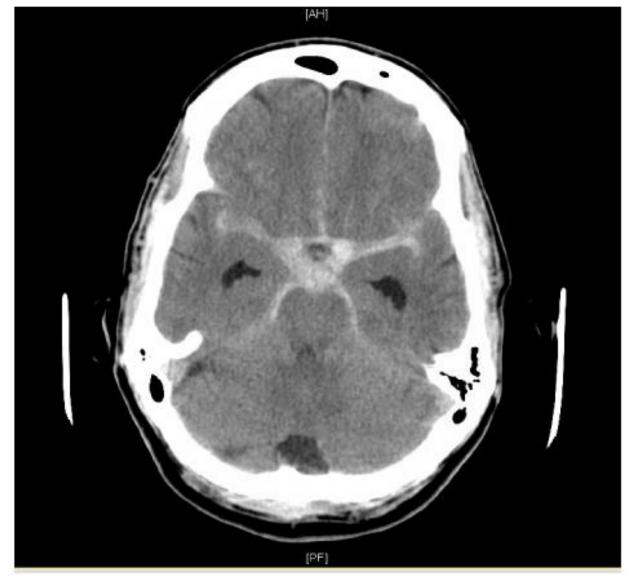
DIS - Diseases/Injuries/Symptoms	D - Pharmacological & to	oxicological agents	Ex - Expert
E - Physical Examination	P - Procedures	S - Systems	H - High
I - Investigations	Eq - Equipment	NCI - Non-clinical/clinical interface	G - General
M - Medical Interventions	T - Theories		

33

A 36 year old woman presents with a very sudden of suspicious for subarachnoid haemorrhage (SAH). (i) Apart from headache, list 4 other clinical features.		(iii) The CT scan of this patient is reported as normal and a decision made to perform a lumbar puncture to look for xanthochromia. Name the two red cell breakdown products that can cause yellow discolouration of CSF (2 marks)
(ii) Complete the table providing estimates where in	ndicated (3 marks)	(iv) List 5 criteria that indicate that a CT scan should be carried out prior to lumbar punctur (5 marks)
Situation	Estimate	
Prevalence of confirmed SAH in a patient with a classic history of "thunderclap" headache		
Sensitivity of new generation CT scanning in detecting SAH in this setting		
Incidence of "traumatic tap" when performing a lumbar puncture (LP)		24

A 47 year old man presents with a sudden severe headache and confusion.

A single slice of his non contrast CT scan is shown.



Describe four (4) relevant findings on his CT scan.
2. What is the most likely diagnosis?
List four (4) important measures for neuroprotection in the emergency department.
4. His BP is 200/100 mmHg. What antihypertensive will you use, include dose and route.
What systolic BP range are you aiming for in mmHg?

An 89 year old woman, previously independent and well, is brought to the emergency department following the onset of a severe headache.

Her vital signs are:

BP	190/100	mmHg
HR	88	beats/min
RR	20	/min
Temperature	36.6	°C
O ₂ Saturation	98	% on room a

Initially she is alert and oriented in the emergency department, but then deteriorates to have a GCS of 11.



Diagnosis:			
Cause:			
			12

i. What is the radiological diagnosis and a likely cause?

 Give four (4) radiological parameters that are used to indicate severity in this condition, stating whether they are present or absent.

	Radiological parameter	Present	Absent
1			
2			
3			
4			

1.		
2		
3.		
4.		

iii. List four (4) poor prognostic indicators in this woman.

A 22yo female attends with a sudden onset severe unilateral headache.

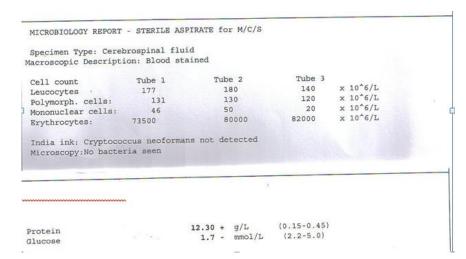
•What features on history and examination support the diagnosis of Acute Sub-arachnoid Haemorrhage? (20%)

•What features support the diagnosis of hemicrania? (20%)

•What is the optimal timing for an LP to exclude the diagnosis of SAH? (10%)

•Describe your procedure/technique for lumbar puncture. (30%)

•What is the next step in the diagnostic work up given this result? (20%)



	35 year old male presents with lower back pain. He has previously been entified as displaying drug seeking behaviour.	3.	List six (6) key principles in the management of this patient. (6 marks
1.	List four (4) key features on history that would support drug seeking behaviour as the reason for this presentation. (4 marks)	1.	
1.		2.	
2.		3.	
3.		4.	
4.		5.	
	List four (4) key features on examination that would support drug eking behaviour as the reason for this presentation. (4 marks)	6.	
1.			
2.			
3.			
4.			

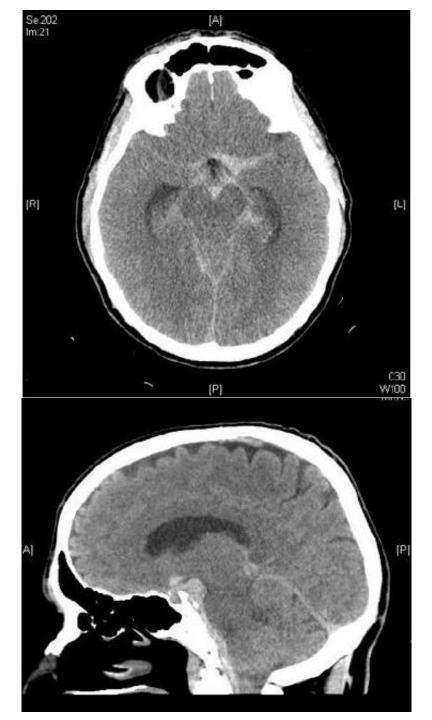
	5 year old woman presents to ED with lower back pain and normal observations. She has story of type 2 diabetes but is otherwise well. There is no history of trauma.	as	s iii) List the most important immediate investigation and the most important treatmer this condition is confirmed (2 marks)			
i)	List 6 historical features which may suggest serious pathology (6 marks)					
_			iv) List the most common cause, and 2 other causes for cauda equina syndrome (3 marks)			
_						
_						
•	After taking your history you are concerned about possible cauda equina syndrome. List 4 examination findings which would support your diagnosis (4 marks)	st				
_						

A 48 year old female presents with GCS 15 complaining of rapid onset pain, initially in the back of the
neck then escalating in intensity over 15 minutes and becoming bilateral and frontal. She
otherwise well.
1. Beyond a careful and thorough history and physical examination, list the 3 most efficient
investigations indicated in this case (1.5 marks).
i
ii
iii
You are discussing lumbar puncture with the patient.
What 4 risks must be highlighted in the consent process? (4 marks).
i
ii
iii
iv
List 3 evidence based strategies to minimise post LP headache (1.5 marks).
i
ii
iii

4. Complete the table below with 3 options of different classes for analgesia in this case and include a pro and a con for each (3 marks).

Medication	Pros	Cons	

		d male patient presents to your urban ED with sudden onset occipital headac g whilst lifting weights at the gym.
V	ital signs	GCS 14 P 100 bpm BP 180/70 mmHg Temp 36 deg C
i.	Interpret	t the CT images (4 marks)
C	T IMAGES /	ARE SHOWN IN THE PROPS BOOKLET, PAGE 3
_		
_		
ii.	Outline 5	5 management priorities (5 marks)
_		
_		
iii.		ategies to minimize abnormalities in intracranial pressure if this patient was d (4 marks)
_		



A 45 year-old female has long standing low back pain was discharged the preceding day by a JMO in your ED with a diagnosis of malingering. She now presents to the ED with a sudden and severe lower back pain radiating down the legs. In the department she was unable to control herself and was incontinent of urine.
What 6 features would suggest cauda equina syndrome? (3 marks)
2. List the essential test to aid the assessment of a patient with suspected cauda equina? (1 mark)
3. You investigate and find that the JMO did not examine the patient, wrote no notes and was heard by the ED RN to tell the patient that there is nothing wrong with them and they should not have come to the ED, again. You are the JMO's supervisor. Outline your approach to this situation (4 marks)
4. Outline the immediate steps in the management of this patient (2 marks)

4.7 Vascular

- a) Peripheral ischaemia DIS H
- b) Arterial occlusion DIS H
- c) Venous occlusion DIS H
- d) Intestinal ischaemia DIS H
- e) Thoracic dissection DIS H
- f) Intra-abdominal aneurysms DIS H
- g) Aortic disorders DIS H
 - j) Aortic aneurysms DIS H
 - ii) Aortic dissection DIS H
- h) Mycotic aneurysms DIS G
- i) Intra-arterial drug injection DIS H

Vascular

COLUMN "LO" - CATEGORIES OF LEARNING OBJECTIVES

COLUMN "LP" – LEVELS OF PRACTICE

DIS - Diseases/Injuries/Symptoms	D - Pharmacological & to	D - Pharmacological & toxicological agents		
E - Physical Examination	P - Procedures	S - Systems	H - High	
I - Investigations	Eq - Equipment	NCI - Non-clinical/clinical interface	G - General	
M - Medical Interventions	T - Theories			

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A 75 year old man presents via ambulance from home with severe abdominal pain.

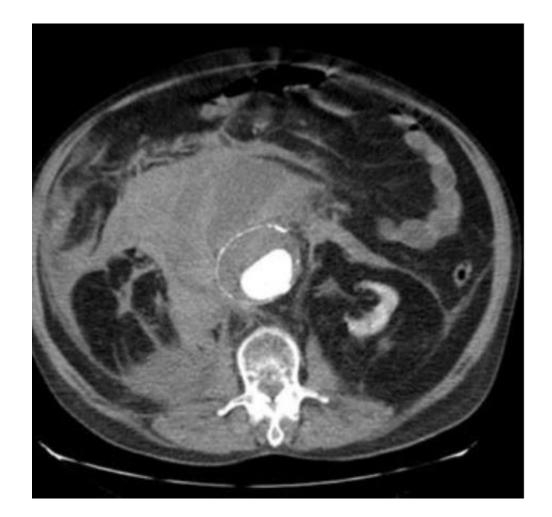
A single slice	from an a	bdominal (CT scan	is shown	in the	props	booklet	on	page
15.									

	State 2 important abnormalities on the CT scan (2 marks)					
1						
2						
	What is your diagnosis? (1 mark)					

He deteriorates on arrival back from CT. His observations are as follows:

GCS	15	(E4, V5, M6)
HR	120	/min
BP	70/40	mmHg
RR	22	/min
Sats	100%	on 6L O₂ via Hudson masł

iii. What end points in his observations will you aim for? (3 marks)



iv	Droccribo :	your firet	had of	envetalloid i	in the	chart holow	12	marke
IV.	Prescribe	your iiist	pag or	crystalloid	ın me	chart below	12	marks

Fluid	Additives (if applicable)	Rate ml/hr

V.	What are four (4) pieces of inform history from this patient? (4 marks		dly acquire from taking a
1			
2			
3			
4			
•			
vi.	What are your three (3) immediate	e management prioritie	s? (3 marks)
1			
2			
0			

You are a consultant in charge in a tertiary emergency department at 2300 hrs. You overhear a junior medical officer- who recently commenced night shift- asking a nursing staff member to arrange the discharge of a 72 year-old man, whom he has diagnosed with renal calculi. Nursing staff express	c) State four (4) ultrasound features that are consistent with AAA rupture. (4 marks)
their concerns with you as they state that the patient has ongoing right sided abdominal pain. You have not worked with the medical officer before.	1
a) State five steps (5) that you would take in this circumstance. (5 marks)	2
1	
2	3.
3	4
4	
5	A CT abdomen is taken and shown in PROPS booklet; page 3.
<u> </u>	1) Seeds there (2) also seed for time in the CT core (2 conds)
b) State five (5) limitations to the performance of bedside ultrasound to rule out AAA for this patient. (5 marks)	d) State three (3) abnormal findings in the CT scan. (3 marks)
1	1.
2	2
3	
	3.
4	



His vital signs post CT are as follows (he has not received fluid intravenously).

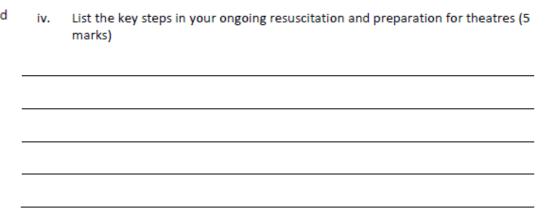
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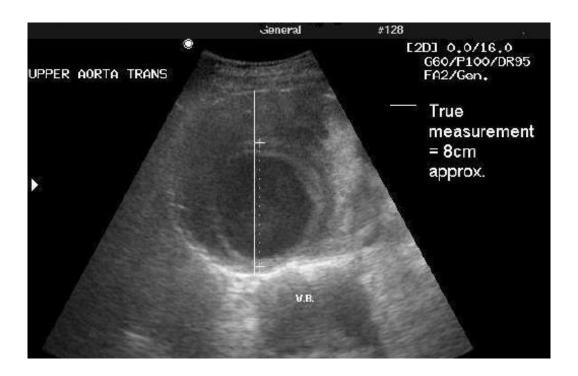
80/40

ΒP

				-
		PR	90	/min
		RR	16	/min
		O2 Sa	turation	98% on room air
		Tempe	erature	37.5°C
e) What	is your appı	roach to	his fluid resusc	citation? State four (4) points in you answer.(4 marks)
1				
2.				
۷				
3				

Ambulance officers bring a 68 year old man with severe back pain to your ED. He is shown (BP 80/50mm Hg). Your trainee has performed a bedside ultrasound and obtained this image.				
A CLINICAL IMAGE IS SHOWN IN THE PROPS BOOKLET, PAGE 12				
i. Describe the image (2 marks)				
ii. List the most likely diagnosis and one differential diagnosis (2 marks)				
The on-call vascular surgical registrar has asked you to continue to resuscitate the pati and get an urgent CT while he organises theatres.				
iii. What is the role of CT scanning in this setting? (2 marks)				

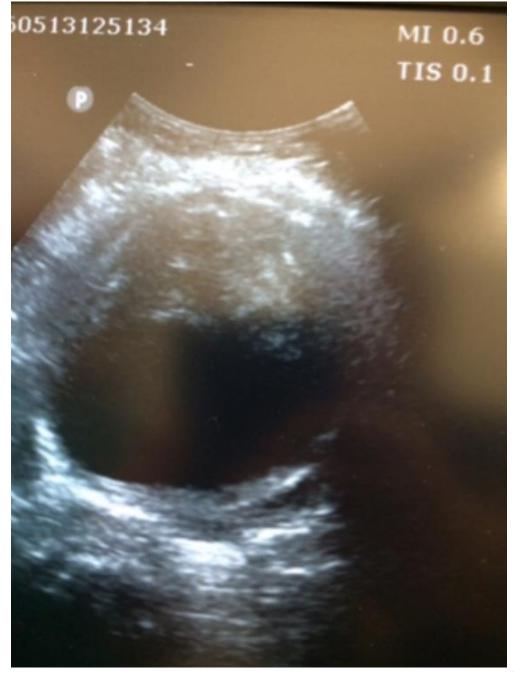




A 65 year old male presents with severe sudden onset left flank pain. He is pale, sweaty a agitated.		iii.	You suspect a ruptured abdominal aortic aneurysm. List 2 pros and 2 constultrasound and CT imaging (8 marks)	
Vital signs:	GCS 14 Automated BP 160/145mmHg, palpable brachial pulse (but not radial) P 130 bpm RR 27 bpm Central CR 5 sec	_		
i. List 4 di	ifferential diagnoses (4 marks)	_		
		_		
	there discrepancy between palpable pulses and automated BP and what is your (3 marks)			

An 86 year old male presents to ED with severe abdominal pain. His medical history includes AF and IHD. He is taking aspirin and atorvastatin.
Vital signs are: P 130 BP 160/90 RR 20
SaO2 97% RA
His abdomen is diffusely tender with guarding. Bedside USS of his abdomen is performed.
A SINGLE ULTRASOUND IMAGE IS SHOWN IN THE PROPS BOOKLET, PAGE 9
Describe 3 positive findings in the USS image (3 marks)
Outline 4 immediate management steps that are required for this patient (4 marks)

ii.



	and he is now receiving a blood transfusion.
	Define massive transfusion in an adult patient (2 marks)
-	
-	
-	
	List 4 target parameters when giving massive transfusion (4 marks)
-	
-	
_	
-	

The patient's blood pressure falls to 70 SBP while awaiting vascular surgeon arrival

	62 year old man presents with a cold, painful, numb left leg. You suspect an acute chaemic limb.	iv.	Name 4 post reperfusion complications that may arise (4 marks)
i.	List 4 features on history that would suggest acute arterial embolism rather than thrombosis as the cause (4 marks)	_	
		_	
_			
_			
_			
ii.	List 4 features on examination that would suggest acute arterial embolism rather that thrombosis as the cause (4 marks)	n	
_			
_			
_			
	Name 2 accession in the transfer of a decision (2 accession)		
iii.	Name 2 revascularisation strategies (2 marks)		

4.13 Wound management

- a) Classification of wounds T H
- b) Surgical wound management P H
- c) Basic wound closure techniques P H
- d) Wound dressings P H
- e) Wound infections DIS H
- f) Chronic ulcers DIS G
- g) Special wounds
 - i) Puncture wounds DIS H
 - ii) Bites and stings DIS H
 - iii) Blast injury DIS H
 - iv) Degloving injury DIS H
 - v) Amputations DIS H

4.14 Plastics

- a) Plastic surgical techniques
 - j) Grafts P G
 - ii) Flaps P G
 - iii) Advanced wound closure P G

Wound Management

COLUMN "LO" - CATEGORIES OF LEARNING OBJECTIVES

COLUMN "LP" -

COLOWIN EC	CATEGORIES OF ELARIVING	OBJECTIVES	LEVELS OF TRACTICE
DIS - Diseases/Injuries/Symptoms	D - Pharmacological & tox	icological agents	Ex - Expert
E - Physical Examination	P - Procedures	S - Systems	H - High
I - Investigations	Eq - Equipment	NCI - Non-clinical/clinical interface	G - General
M - Medical Interventions	T - Theories		
			54

	Dog bite (3 marks)	Cat bite (3 marks)
mmon micro-organism		
ound characteristics		
Risk of infection		
st three (3) risk factors for i	nfection in bites in general. (3 m	arks)

A 12-year-old boy is brought to your rural emergency department, following a dog bite to his face;

c) State general recommendations for would repair in animal bites in the following table. (4 marks)

	Primary closure	Antibiotics
Dog		
Cat		

i. Complete the table identifyi	ng specific bacteria of concern for each specific situation (4 marks)	III.	recommended empiric antibiotic choice for undifferentiated necrotising fasciitis (doses not required) (2 marks)
Situation	Specific organism(s)	1	
Human bite	openie o gamanię.		
Cat bite		_	
Fresh water wound		_	
Salt water wound		_	
ii. List 6 clinical features that h marks)	elp to distinguish necrotising fasciitis from uncomplicated cellulitis	(6	
			56

A 25 year old male presents with a large area of cellulitis of his left anterior thigh.