

1. Amputation below knee bilaterally in a 56 yr old male. Need for IV access
 - i) In which circumstances would you consider IO? 4 MARKS
 - ii) Where would you perform IV/IO access in this pt? 2 MARKS
 - iii) What are the contraindications for IO? 4 MARKS
2. Ankle block- with ankle/foot picture displaying dermatomes
 - i) Label the five dermatomes/nerves 5 MARKS
 - ii) Name three of the five ways of infiltrating LA ankle block 3 MARKS
 - iii) Name complications of ankle blocks 2 MARKS
3. TCA poisoning- a lawyer has taken tablets, and develops ECG changes- ECG shown with QRS widening, prolonged QTc
 - i) This is her ECG. Name the ECG abnormalities 3 MARKS
 - ii) what is the diagnosis? 1 MARK
 - iii) How would you treat the arrhythmia? How does it work? How would you monitor its efficacy? 3 MARKS
 - iv) Name other drugs that could be used 3 MARKS
4. Thyrotoxic crises- woman presents who has had hysterectomy 3/7 ago with 1/7 of pyrexia and feeling unwell. Her wound is clean.
 - i) What are the causes of TC in this pt? 3 MARKS
 - ii) what is your immediate management? 3 MARKS
 - iii) what drugs and doses would you give and explain the mechanism 4 MARKS
5. AF

52 year old presents with new AF rate 132, normal BP, etc

 - i) what are the risk factors of stroke if AF? 2 MARKS
 - ii) indications for cardioversion? 2 marks
 - iii) His BP drops to 90/60, what drugs in addition to Heparin would you consider? 2 MARKS
 - iv) what are the non-cardiac causes of AF? 4 MARKS
6. Asthma in child. A 6 yr old presents with asthma and is cyanosed and breathless.
 - i) what is your immediate management? 2 MARKS
 - ii) what makes it severe asthma? 2 MARKS
 - iii) what drugs with doses would you give? 2 MARKS
 - iv) what other drugs would you consider? 2 MARKS

7.70 yr old with pneumonia ,ABG displaying resp acidosis with reduced bicarb and CO2 6.12, pos 15.8 on 10L, pH 7.01

i)what makes it severe pneumonia? 4 MARKS

ii)Describe the ABG ventilation 3 MARKS

iii)what organisms would you cover? 2-3 MARKS

8. Women with swollen eye

i) what makes it orbital cellulitis ? 3 MARKS

ii)what is the ways in which it can spread? 3 MARKS

iii)what is the commonest way? 1 MARK

iv)what organisms would you cover? 2 MARKS

9.Facial xray with Right infraorbital floor #

i)what are the x ray changes ? 3 MARKS

ii)what would you find on examination? 3 MARKS

iii)? question

10. Head injury with CT showing extradural R and L subdural with squashed ventricle and midline shift to left

i)what are the indications for CT in this pt? 3 MARKS

ii)explain the radiographic changes 3 MARKS

iii)He has one dilated pupil, what does this mean in neuro terms? 2 MARKS

iv)what is your management? 2 MARKS

11.Hypertension in ot. ECG showing LVH

i)name the ECG changes 2 MARKS

ii)what is your DX? 1 MARK

iii)what are the renal causes of hypertension ? 3 MARKS

iv)what eye changes would you see? 4 MARKS

12. Rectal prolapse picture in elderly women with no prev surgery

i)what is the diagnosis? 1 MARK

ii)what are the causes of rectal prolapsed? 4 MARKS

iii)AXR shown with bowel dilatation- describe the changes 2 MARKS

iv)what is the most likely cause in this patient? 1 MARK

13. Child's cervical spine xray

i)what are the radiographic differences between children and adults c spine xrays? 4 MARKS

ii)what is SCIWORA and why is a problem in children? 4 MARKS

iii)what happens in ant cord syndrome? 2 MARKS

14. Back pain pt is seen by F2 who thinks pt is malingering,she has incontinence and worsened back pain.

i) what features make it severe? 2 MARKS

ii)what are features of cauda equine? 4 MARKS

iii)what is your mananagmt in this pt? 4 MARKS

15.Police/someone asks fdor notes of a patient who died.

i)what are the conditions where info can be released without patient's consent? 2 MARKS

ii)what are the rules for sharing this info? 4 MARKS

iii CXR shown with pneumonthorax and haemothorax- Describe the changes 2 MARKS

iv)Locum comes to you saying pt died. What is your management? 2 MARKS

16.HIV- Sero -conversion illness rash shown in picture from google showing rash on hand and hip.Py has returned from IBIZA where she has had multiple sexual encounters and unprotected intercourse.She is worried that she may have HIV.

i) what are the characteristics of this rash? 4 MARKS

ii) what are th seigns and symptoms of serocinversion HIV – 2 MARKS EACH

iii)what are your differentials? 2 MARKS

17. Measles question

i)what is the incubation period? 1 MARK

ii)Picture of mouth with koplik spots, what is this? 1 MARK

iii)what are the early complications of measles? 4 MARKS

iv)? Question

18. Pelvic XRAY- L SIJ disruption + L pubic ramus

i)what does the xray show? 2 MARKS

ii)what are the patient's symptoms and signs? 4 MARKS

iii)what is the immediate and eventual management? 2 MARKS

iv)? Other question 2 MARKS

19.Female with suspected PID

i)when would you consider a diagnosis of PID? 3 MARKS

ii)when would you admit a patient with PID? 3 MARKS

iii)what additional things could you do? 1 MARK

iv)what are the complications of PID? 3 MARKS

20.Lightning strike- someone struck by lightning, pt brought in cardiac arrest

i)what is your management according to ALS principles? 3 MARKS

ii)He has rhabdomyolysis, what are the two diagnostic tests you can do in A/E? 2 MARKS

iii)What are the complications of lightning? 2 MARKS

iv)What are the other non-cardiac complications? 3MARKS

