

FCEM SAQs

11 March 2008

As best I remember

Picture of wound on leg, 16 hours old from garden fork

- Definition of incision and laceration.
 - Importance of difference between the 2.
- 4 immediate actions (other than aseptic technique) to decrease risk of secondary wound infection
- 4 risk factors for tetanus prone wound
- Patient has had 1 tetanus vaccine a few years ago . Nil else. What does he need?

Picture of dendritic ulcer

- Diagnosis and causative agent
- 4 non-ocular signs, symptoms to support this diagnosis
- 3 drug treatments
- 2 other non traumatic causes of painful red eye which may threaten vision

BAEM pain audit guidelines

- What is the BAEM recommendation for treatment of severe pain (time , route and drug)
- What are 4 characteristics of a good pain audit system
- Rank the following in order of decreasing potency dihydrocodeine, tramadol, pethidine, diamorphine, fentanyl. Alfentanyl
- 90 year old with perf DU, bp 90/60 is given morphine 10mg IM by SHO. 4 reasons this is not a good idea

Picture showing Koplik's spots

- What are they, Diagnosis and incubation period
- Child has been seizing (9 y/o) for 5 mins
 - 4 immediate management steps
- 3 complications of measles

Dentist refers guy with Ludwig's angina

- What is Ludwig's angina
- 4 clinical signs/symptoms
- 6 predictors of difficult airway
- 4 pieces of equipment you should have in a difficult airway scenario (other than suction, ETT, Laryngoscope)

Paracetamol poisoning

- Explain paracetamol metabolism/toxicity. What is the toxic metabolite?
- ALT, bili increased. Why alk phos normal?
- 4 things in patient's history that increases the risk
- What IV antidote?
- Give dosing schedule for same
- 3 risk factors(other than LFTs) on patients bloods increasing morbidity (she was in ARF, INR 3.5, Hypoglycaemic)

Resp acidosis/NIV in 6 y/o known COAD

- ABGs showing pCO₂ of 8, pO₂ of 6, pH 7.28 and Bicarb of 38
- Explain bloods in terms of 1) respiratory 2) acid base
- What is the significance of the bicarb result?
- CPAP v BiPAP
 - 2 similarities
 - 2 differences that BiPAP has over CPAP
- Patient deteriorates. CXR LUL collapse/consolidation and bilat pneumos and ? Pneumomediastinum (I think)
 - 4 relevant x-ray findings
 - Next 2 management steps

Organophosphate poisoning

- Explain effect of organophosphates
- 3 organophosphate toxidromes and signs/symptoms
- 3 treatments
- Where would you find large doses of the above drugs in a major incident?

SUFE

- 10 year left hip pain, Xray shows left SUFE
- Diagnosis, Specific radiological finding (kleins lines)
- 1 differential for same Xray
- 2 potential complications
- 5 features of immature skeleton which you should consider in dealing with musculoskeletal presentations

Haemolytic anaemia (I think)

- 25 year old , tired since recent LRTI
- Hb 8.5, normal platelets and WCC, MCV normal, 5% retics
 - Explain FBC and give diagnosis
 - 2 other tests
 - 4 clinical findings on exam other than increased HR, or RR
 - Give simple classifications of anaemias including examples to teach med student

ECG showing AF

(they even tell you it's AF)

- Tell student why this is AF(2 reasons)
- Comment on axis and rate
- 3 indications for rhythm control
- 4 risk factors for stroke in AF
- Why does AF cause heart failure

Ectopic pregnancy

- 6 risk factors
- 4 clinical findings to differentiate from intrauterine
- US confirms intrauterine, patients starts bleeding +++++, BP 70 Syst, bradycardic
 - 4 immediate management steps
 - 3 reasons to explain bradycardia

Active labour/neonatal resus

- What drug would give /mum after baby born and why
- 2 reasons baby starts to breathe
- 4 components of APGAR score
- How many rescue breaths
- What is ratio of Compression to vent
- What adrenaline dose?

Thyroid storm in post op hysterectomy -known hyperthyroid on carbimazole (they give diagnosis)

- 3 precipitants in patients history
- 3 non drug treatments
- 4 drug treatments and rationale for each

Femoral # in adult

- Draw diag showing relevant anatomy and puncture site for femoral nerve block
- 3 reasons traction splint is beneficial
- Patient weighs 70 kg
- What LA and strength
- What is max dose
- How many mls ?

DVT

- 6 components of Wells score
- What is D dimer and when /how should it be used in DVT
- 2 non Wells risk for DVT

Hypothermic cardiac arrest

- 4 pieces of equipment for hypothermia
- 4 differences in cardiac arrest management

Scrotal pain in 16 y/o male ? epididymitis

- 2 investigations to aid in diagnosis
- Teach student difference on examination between the following inguinal hernia, torsion, epididymitis and hydrocoele
- You decide its epididymitis give 2 treatments

Motorcyclist , head injury , GCS 8 in ambulance
has vomitted and seized once Vomits again on
arrival to ED, GCS now 6

- What is your immediate management and rational for same
- You decide to go to CT. As per NICE guidelines give 4 indications for CT in this patient's history
- CT scan shows R extradural and left SDH , midline shift and frontal bleed Give 4 abnormalites
- He blows left pupil. What is the anatomical reason for this
- Next 3 management steps

3 1/2 year old with severe asthma

- BTS criteria for severe exacerbation 4 findings
- 2 respiratory treatments
- Fails to respond and deteriorates
 - What are 4 features of life threatening asthma in this age group?
- 2 findings on CXR.....they forget to print xray so told us to ignore that
- Improves later. 4 elements of discharge plan