

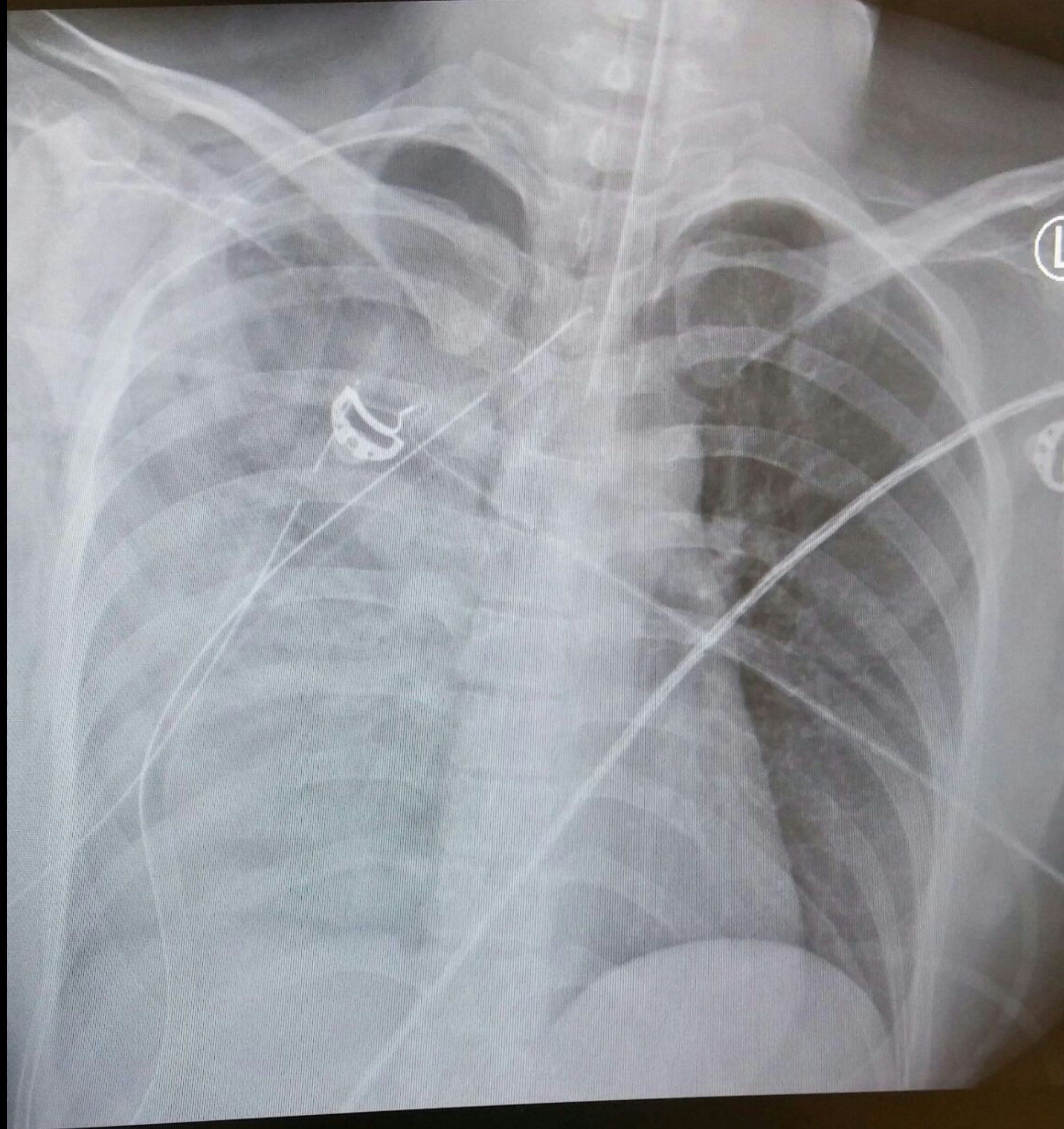
JCM OSCE 2-10-2019

Queen Elizabeth Hospital

Case 1

- A 30-year old lady was assaulted by a sharp knife into her right upper back and shoulder by a stranger in street.
- Pre-hospital blood pressure was 60/40, radial pulse was weak.
- On arrival to AED, her vital signs were BP 95/38, Pulse rate 143, GCS E3V5M6.
- Her upper back wound has active blood splashing out. Chest X-ray was taken after initial resuscitation.





Case 1

- Describe 4 findings from the X-ray (2 marks)
- What is the clinical diagnosis which best describes the external wound AND the CXR finding? (1 mark)
- What is the indication for surgical intervention with reference to output of chest drain? (1 mark)
- What is the size of chest drain recommended in this condition according to current ATLS guideline? (1 mark)
- Name 2 muscles in the anatomy of the 'safety triangle' to guide the chest drain insertion (2 marks)

She has received unmatched blood transfusion whilst massive transfusion protocol(MTP) was activated during resuscitation.

- What is the ratio for the amounts of the different components of blood & blood products in MTP (1 point)
- Name two scoring systems which can help dictate activation of MTP. (2 marks)

Case 2

- A citizen was hit by a high speed tennis ball into his right eye. Here is his clinical photo.



Case 2

- List out two clinical findings from the picture.(2 marks)
- What clinical test can you do to rule out ruptured globe? (1 mark)
- This injury may provoke increased intraocular pressure. What is this condition called? (1 mark)
- Name 2 pathological mechanisms for possible elevated Increased Intraocular pressure (IOP) in this patient (2 marks)
- How would you advise positioning of this patient (1 mark)
- Would you recommend any eye pad to his injured eye? (0.5 mark)
Why?(0.5 mark)
- Your patient is in severe pain. What topical medications would you consider to relieve / reduce the pain (2 marks)

Case 3

- A youngster was attacked by two other men inside a tunnel.
- He suffered from left arm injury with pain, swelling and deformity.
- Here is his arm X-ray.



①



②

- Name 2 X-ray findings (3 marks)
- Name a common mechanism leading to such injury (1 mark)
- What nerve is in danger? (1 mark)
- Name the muscles which may possibly be involved due to the nerve palsy at this level (3 marks)
- What is the sensory area in hand this nerve supplies to ? (1 mark)
- What is the definitive treatment for this condition? (1 mark)

Case 4

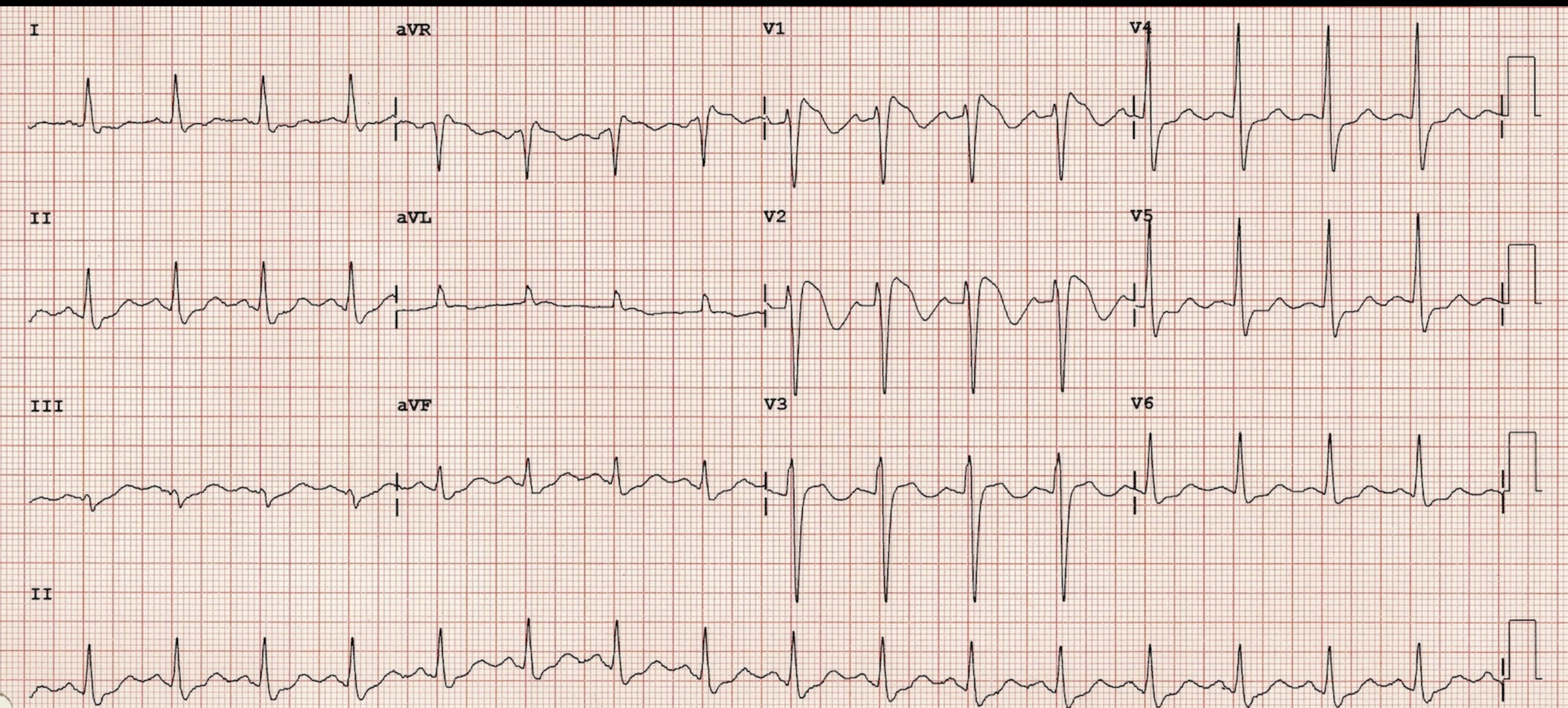
- This is the photo of left forearm of your patient after close contact of a tear gas canister.



- Describe the clinical finding. (1 mark)
- What pre-hospital procedure can be done at scene? (1 mark) and why? (1 mark)
- What are the proposed mechanisms for causing the condition in the clinical photo? (2 marks)
- What is the major component of tear gas? (1 mark)
- How many levels of personal protective equipment commonly used in dealing with HAZMAT patients? (1 mark)
- What should be the appropriate level of PPE in this scenario? (1 mark)
- Would you like to puncture those lesions (1 mark) and why? (1 mark)

Case 5

- A 42 year old young man presented with syncope to your ED. His vital signs are as follows : BP 136/72 P 82 SpO2 98% RA Temp 36.2 GCS 15. Here is his ECG.



- Describe an important ECG feature that could have led to his syncope (1 mark)
- What is the syndrome? (1 mark)
- Name the pathomechanism. (1 mark)
- Name three clinical criteria in order to make the above diagnosis with this ECG. (3 marks)
- Name two provocation factors. (2 marks)
- What is the definite treatment? (1 mark)
- Give two differential diagnoses with similar ECG (0.5 marks each)

Case 6

- This is the clinical photo and X-ray of the lower limb of your patient after chopping injury.

Left Knee

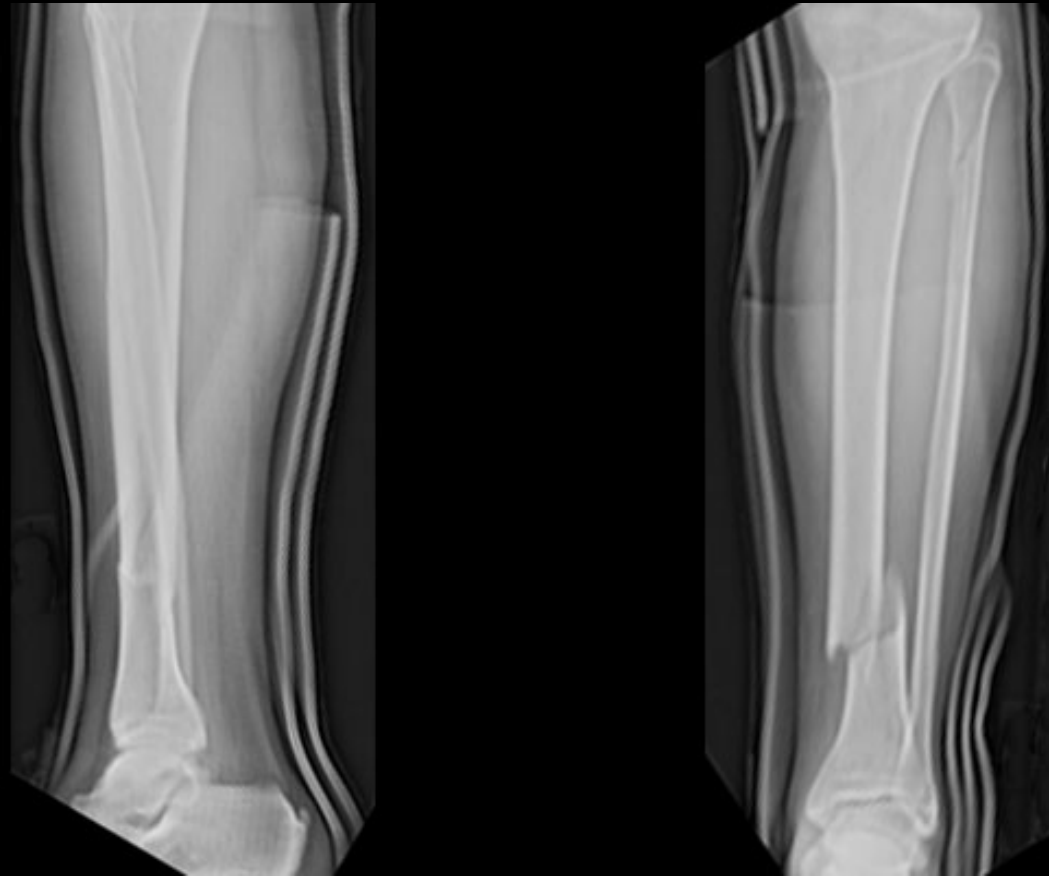


~8cm

~5-6cm

Lateral malleolous

- Name 2 muscles in danger with this injury (2 mark)



- If patient also has fracture like the above X-ray, which classification is commonly used to grade this kind of injury? (1 mark) what is the grading according to such classification? (1 mark)
- What antibiotics should we give and why? (2 mark)
- Name 4 other management in ED. (4 marks)

