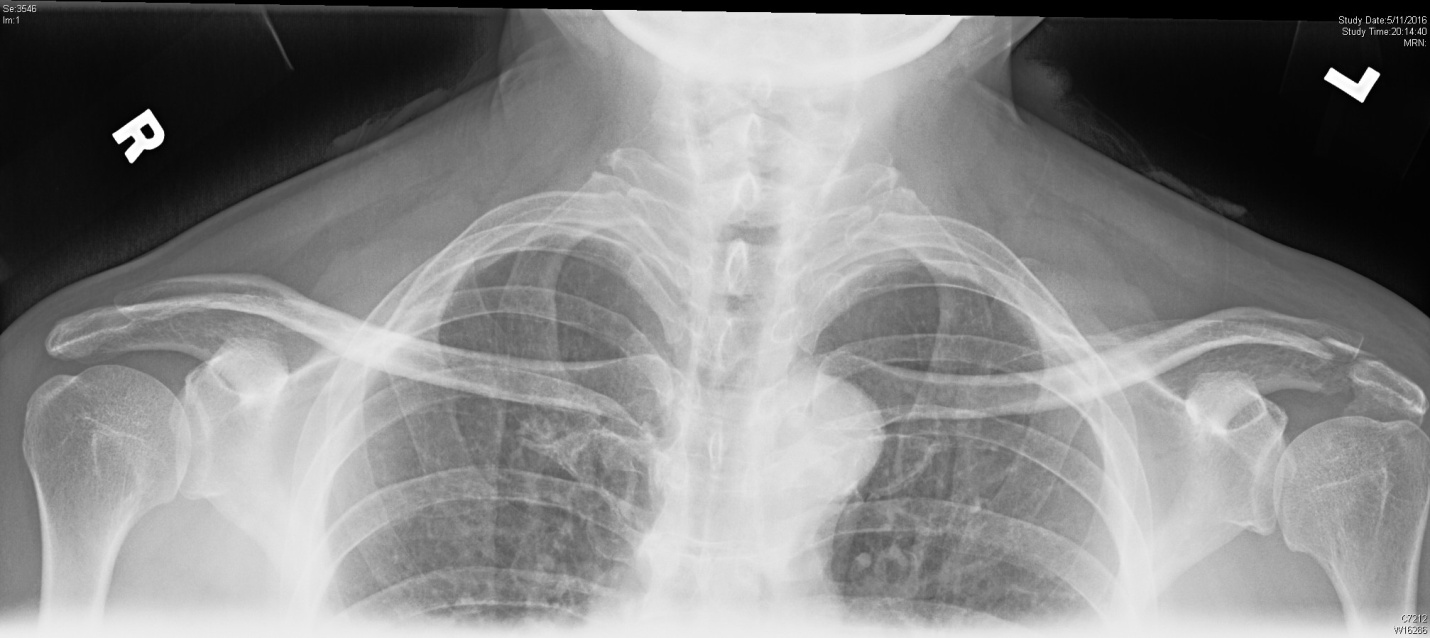
Question 1

A gentleman fell from stairs and sustained left shoulder injury.

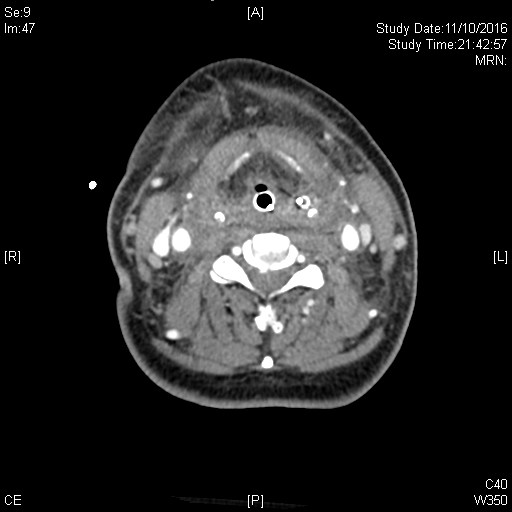


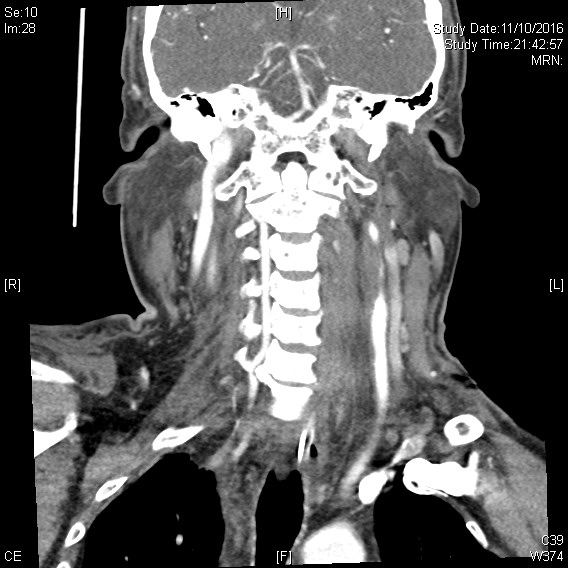
1. Name the pathology from the X ray? 1 point
2. If you are not certain about the diagnosis, what supplemental views would be helpful? 3 points
3. What is the potential soft tissue complication of this injury? 1 point
4. How do you look for this complication on physical examination? (Briefly describe 2 methods. What tests are they named? ) 4 points
5. What are the treatment options of this injury? 2 points

Question 2

A 42 years old man presented with shortness of breath, sore throat and neck swelling. He had a medical history of diabetes and obesity. The oxygen saturation could be maintained at 93% on high flow oxygen.







1. Describe two important findings on the X-ray 2 points
2. How would you confirm your suspicion without an imaging technique? 1 point
3. CT scan with contrast was performed. A complication of this condition was found.

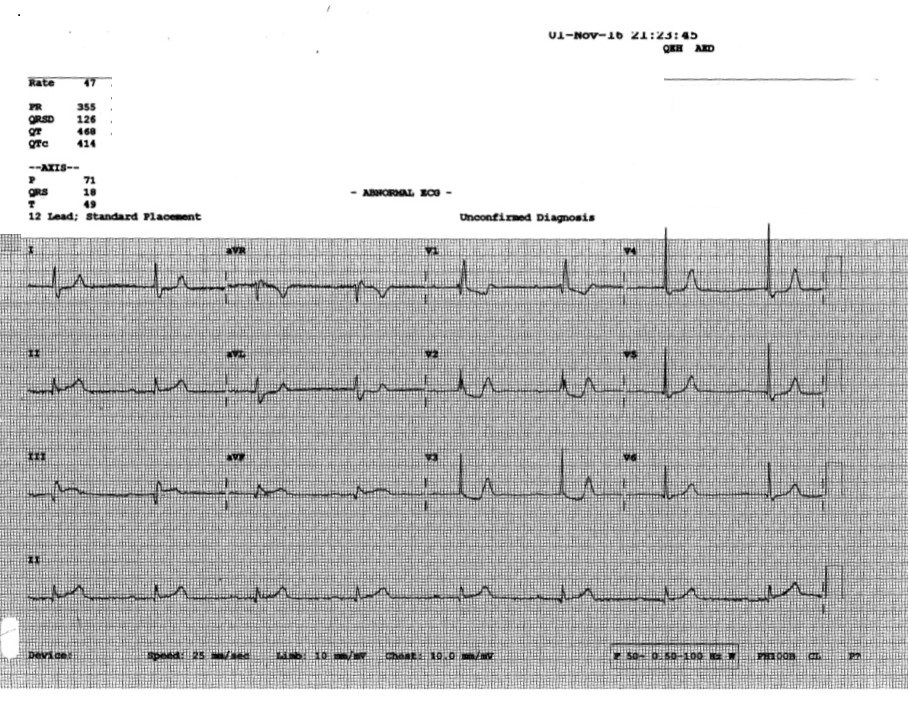
Name one important CT finding. 1 point

1. What is the name of this complication? 1 point
2. What are the two treatment options for this complication? 2 points
3. If patient needed to transfer out for treatment, what should be done first? 1point
4. Describe how you can perform the above management decision?

2 points

Question 3a

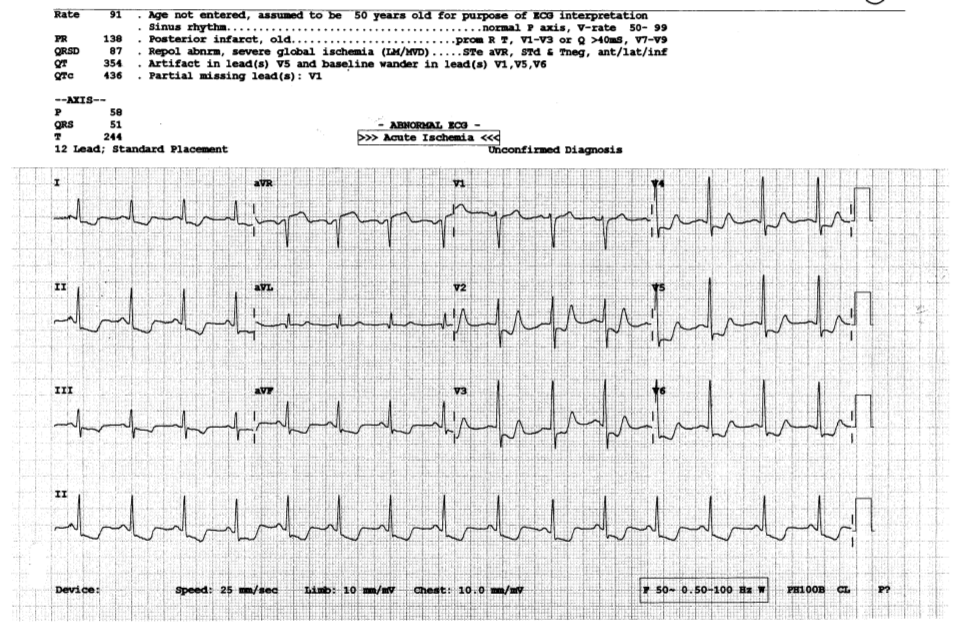
* A 72 years old male presented with a few days history of malaise and dizziness. He denied any chest pain. Vital signs were stable except the slow heart rate. I-stat showed no significant electrolyte disturbance. ECG was performed.



* Describe the ECG finding? 4 points
* What is the diagnosis? 1 points
* Was thrombolytic therapy indicated for this patient? 1 point

Question 3b

A 45 years old man presented with chest pain. Acute coronary syndrome was suspected clinically. ECG was performed.

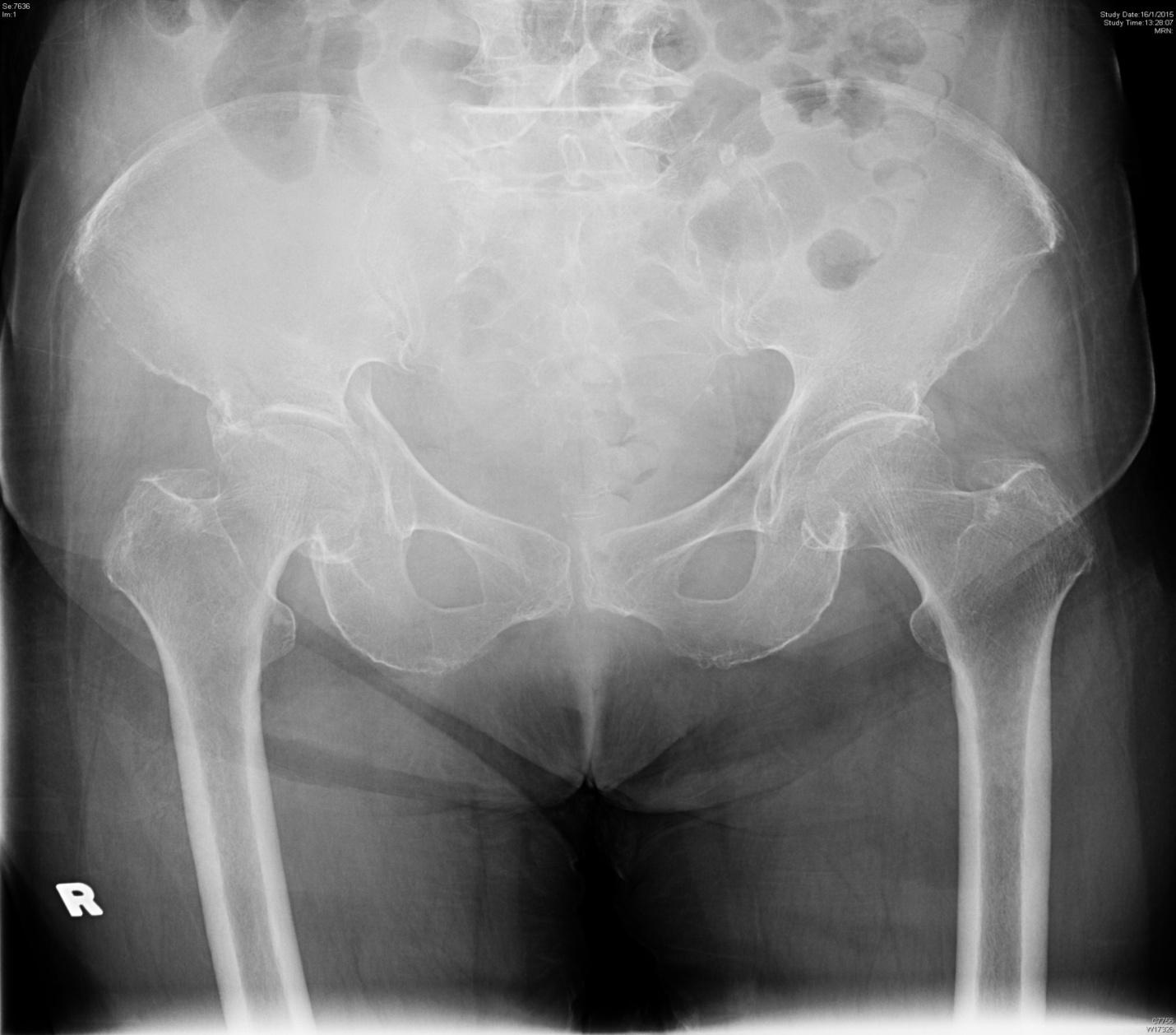


* What are the ECG findings? 2 points
* What are the implications of this ECG on location of the culprit artery and prognosis? 2 points
* What ECG finding will prompt you to look for RV or posterior wall infarct? 2 points

Question 4

* This question is concerning about fracture hip. Four patients presented with hip contusion. Their x rays were shown.

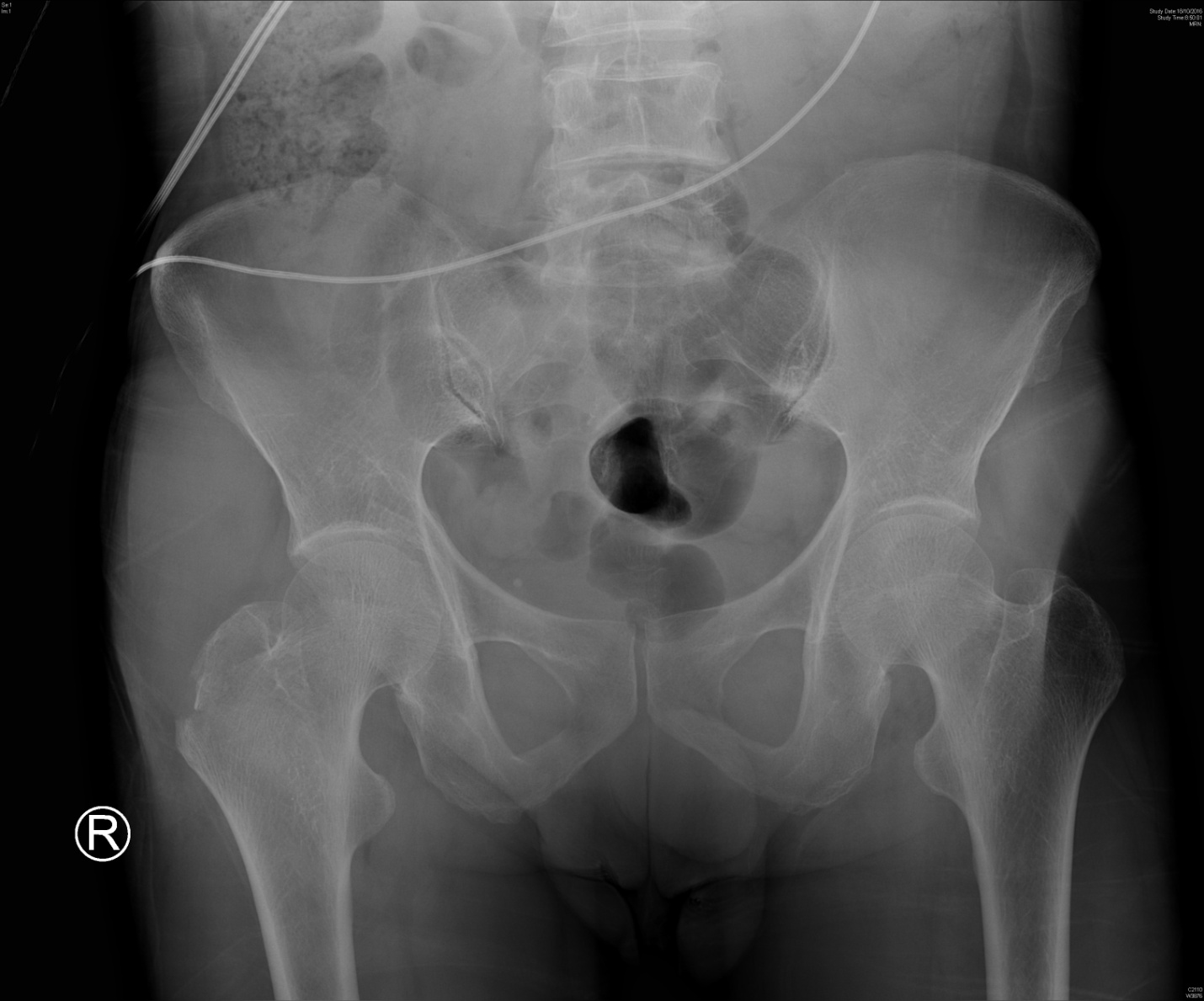
Patient A



Patient B



Patient C



Patient D



1. Please point out the fracture site on each X ray. 4 points
2. What is the alternative method of pain relief apart from systemic analgesic?

1 point

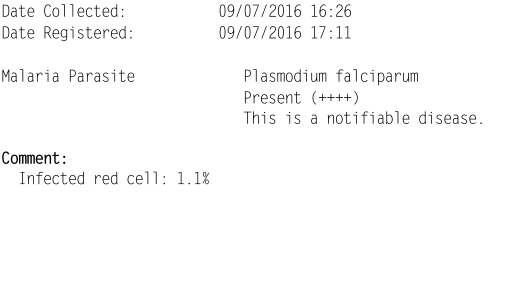
1. For fracture neck of femur, what is the most worried (orthopedic) complication? 1 point
2. What are the operative treatment options for displaced fracture femoral neck in young patients and geriatric patients respectively? 2points

Question 5

A 20-year-old lady traveled to Kenya for 10 days, returned since one week ago, presented to A&E with fever and headache for 3 days. There was also vomiting and diarrhea. GCS 15, BP 130/80mmHg, pulse 115bpm. Temp 41.3C.

1. Name four differential diagnoses in relation to the travel history? 5 points

Screen for malaria was performed.



1. How do you interpret the parasite count? It is low or high parasite densities? 1 point
2. What are the principles of management of malaria in ED? 4 points
3. What are the effect of malaria on mother and fetus? 2 points
4. What are the drugs of choice for malaria (mainly P. falciparum) in pregnancy? 2 points