

OSCE Question (upload version)

PYNEH

Nov 2008

1. A 39yo lady present to A&E with headache for 2 days. She also had subjective bilateral lower limbs weakness. On examination: The vital signs were normal and there was no obvious neurological deficit. She enjoyed good past health.

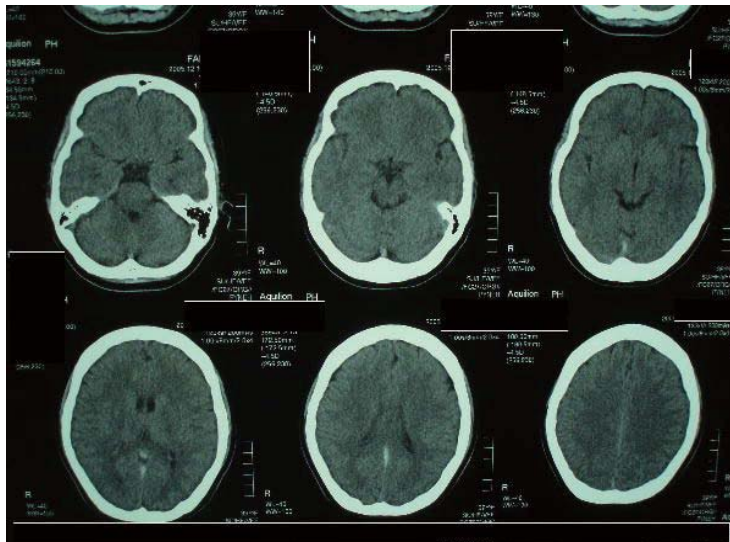
From the CT brain of this patient, Please spot the suspected abnormality:

\_\_\_\_\_ (2 marks)

What is the treatment for her condition: \_\_\_\_\_ (1 mark)

Please suggest 2 predisposing factors for this condition

(1) \_\_\_\_\_ (2) \_\_\_\_\_ (2 marks)



2. A 48yo lady complained low back pain for 1 month. There was no lower limb weakness. Concerning her past health, she had total thyroidectomy for unknown lesion in China 5 years ago.

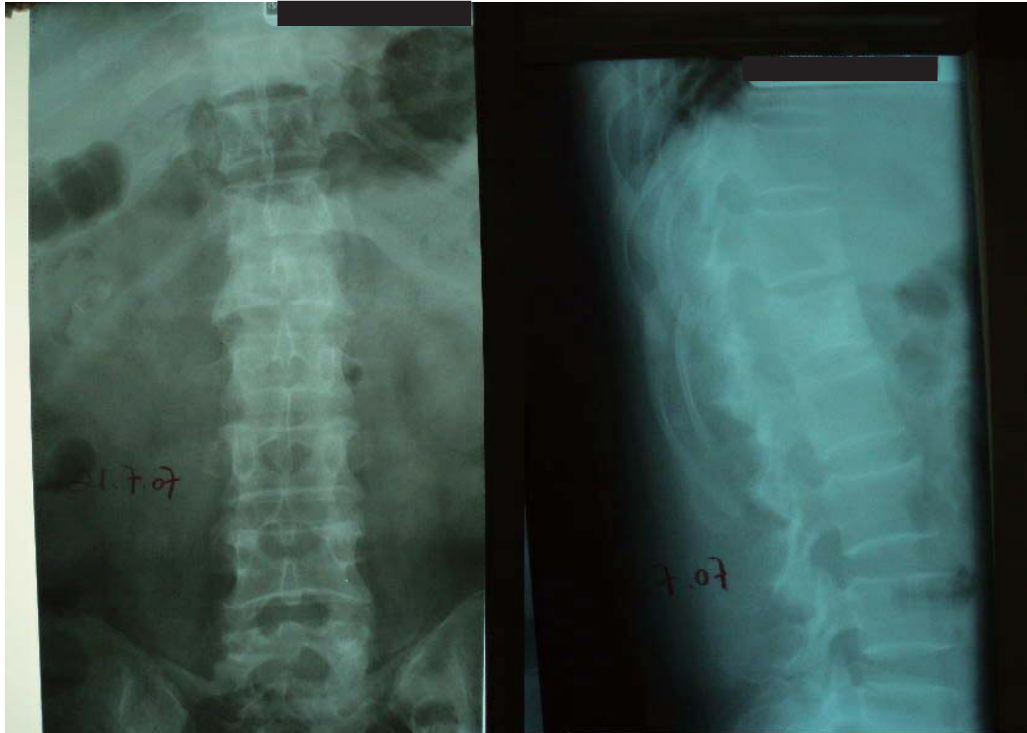
From her X-ray L-spine: Describe the abnormality:

\_\_\_\_\_ (2 marks)

What is the likely diagnosis? \_\_\_\_\_ (1 mark)

Suggest 2 further imaging studies that can confirm your suspicion:

(1) \_\_\_\_\_ (2) \_\_\_\_\_ (2 marks)



3. A 38yo female fell on her left hand. Her left hand was swollen and very painful.  
Please describe the abnormalities.

\_\_\_\_\_ (2 marks)

What is the treatment of choice for her conditions?

\_\_\_\_\_ (2 mark)



4. A 35yo male collapsed in a Marathon race. He complained generalized weakness and dizziness. This was his first time running full marathon. He collapsed after running for 4 hours completing only 30km. He drank plenty water before and during the race but there was no urine output.

The investigation results were as follow:

Na=115, K=3.9, Creatinine = 68, Creatinine Kinase = 450.

What is your diagnosis? \_\_\_\_\_ (2 mark)

What is the likely cause of his condition? \_\_\_\_\_ (1 mark)

What is the emergency resuscitative treatment for his severe hyponatremia:  
\_\_\_\_\_ (1 mark)

What is the potential (or theoretical) complication of such treatment?  
\_\_\_\_\_ (1 mark)

5. A 52yo experienced recreational diver complained vertigo and left ear hearing loss after a dive. He was so experienced that he did not use a diving computer, so he could not tell the depth, duration and ascending steps of his dive. There was no ear pain and no tinnitus. The symptom occurred about 15 minutes after ascend.

What are the 2 likely differential diagnoses?

\_\_\_\_\_  
\_\_\_\_\_ (2 marks)

Why is the differentiation between these 2 diagnoses so important?  
\_\_\_\_\_ (1 mark)

From the history, which one is more likely?  
\_\_\_\_\_ (1 mark)

Name and describe one bedside test that could probably help further in differentiating the diagnosis:  
\_\_\_\_\_ (2 mark)

(prepared by Dr YF Choi, PYNEH; [choiyf@gmail.com](mailto:choiyf@gmail.com) )