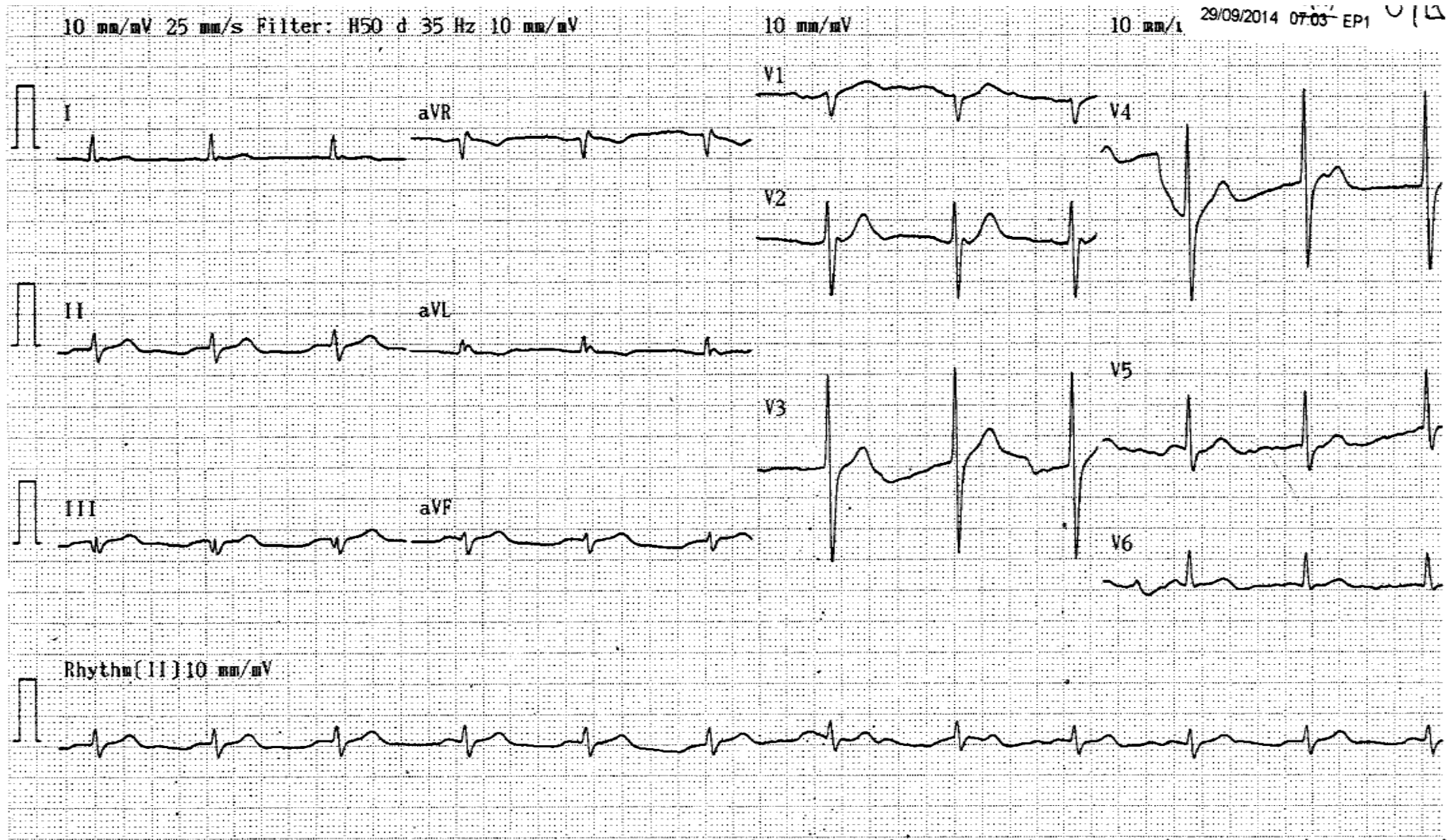


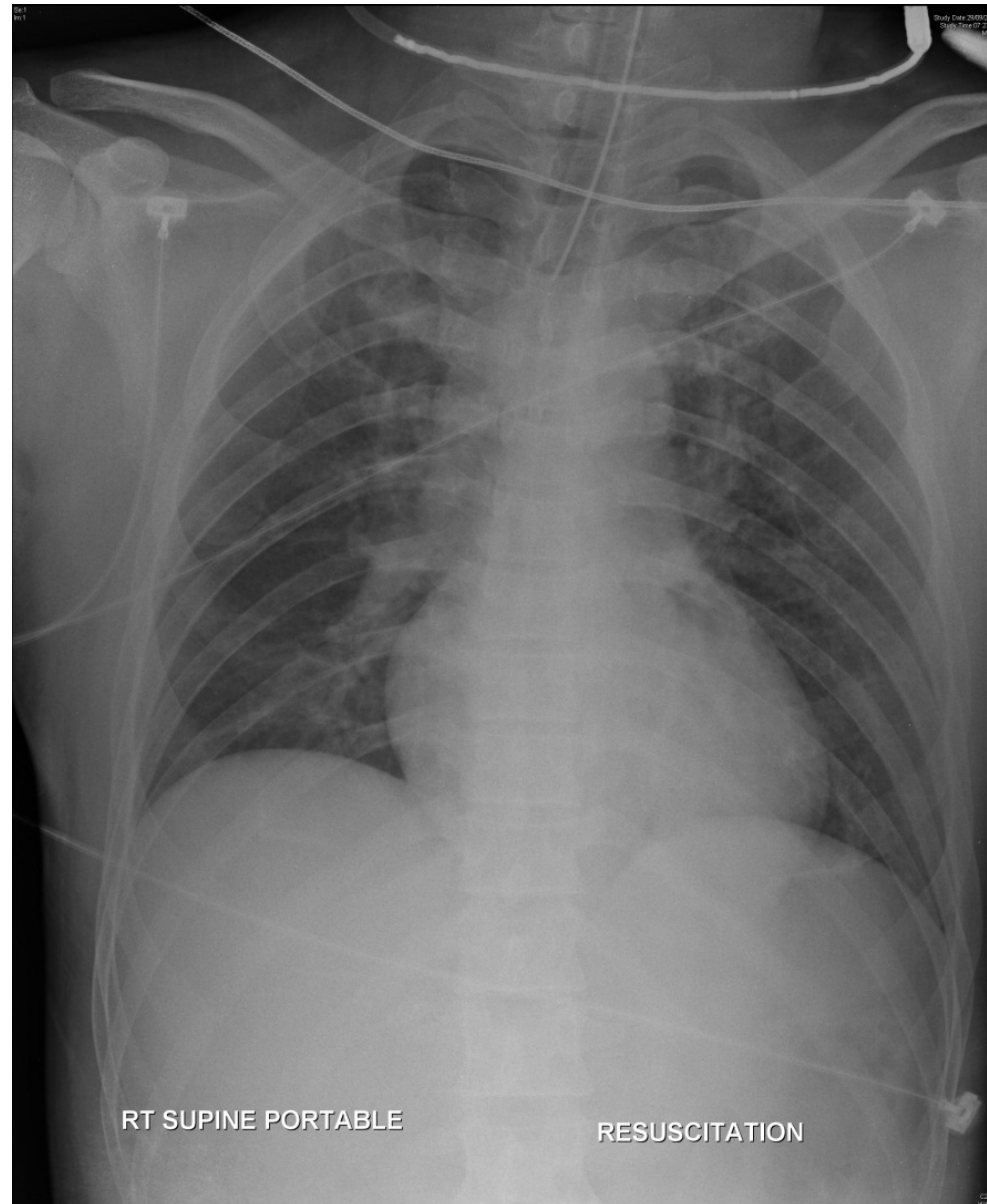
Case 1

- A good past health 45 year-old man presented with sudden collapse at home. He had no vital signs when ambulance arrived. CPR was started and defibrillation was delivered twice by automatic emergency defibrillator.
- He had ROSC on arrival to AED. His vital signs were: GSC 3/15, BP 73/54, pulse 52/min., SpO2 100% on BVM ventilation, H'stix 10.8 mmol/l.
- He was intubated; BP was 110/60 after NS 250ml iv infusion.

Case 1a



Case 1a



Case 1a

- Initial ECG, CXR and blood tests (pH, electrolytes were normal) were done
 - Echo: satisfactory LV function, no RWMA
1. What specific therapy will you consider?
 2. What investigation will you do before starting the therapy?

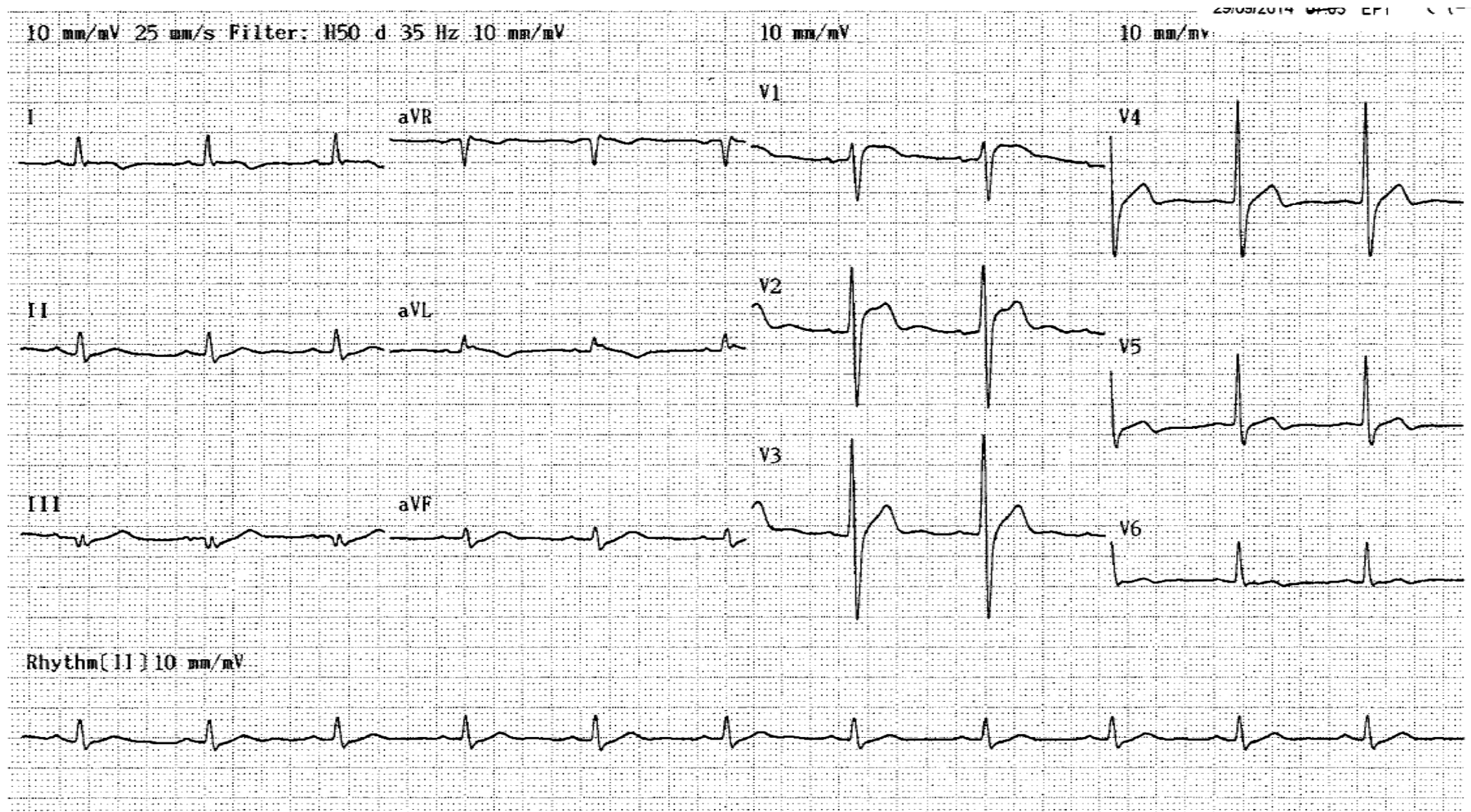
Case 1b

Before transfer the patient to the ICU,
two more ECG were done:

3. Please comment on the 2nd & 3rd ECGs.
4. What is the diagnosis?
5. What is the definitive treatment for the patient after his recovery?

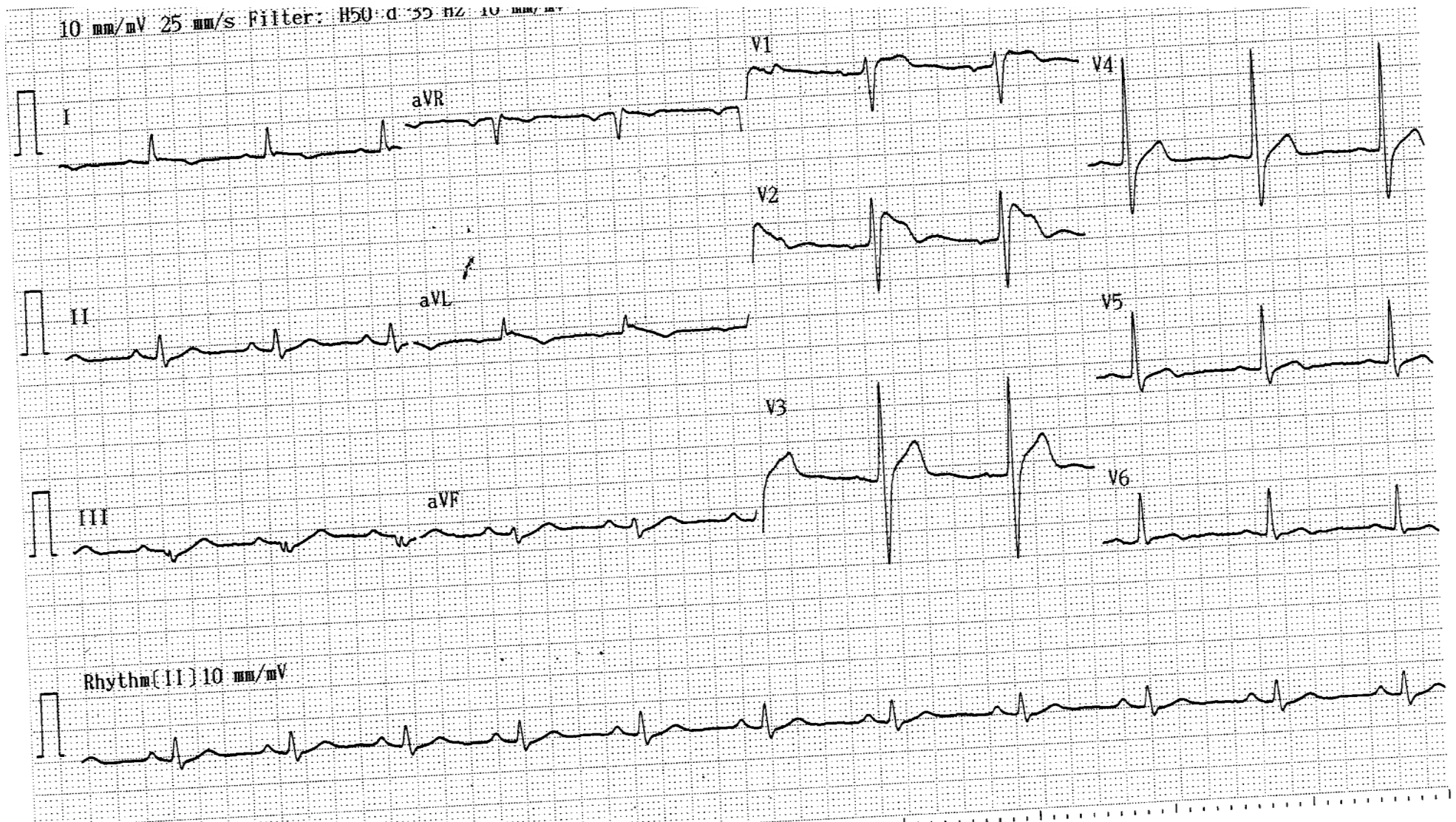
Case 1b

2nd ECG (30 min. later)



Case 1b

3rd ECG (50 min. later)



Case 2

- A 63 year old gentleman presented to the emergency department with progressive throat pain and neck swelling for 3 days. The following showed the XR and CT neck of him.

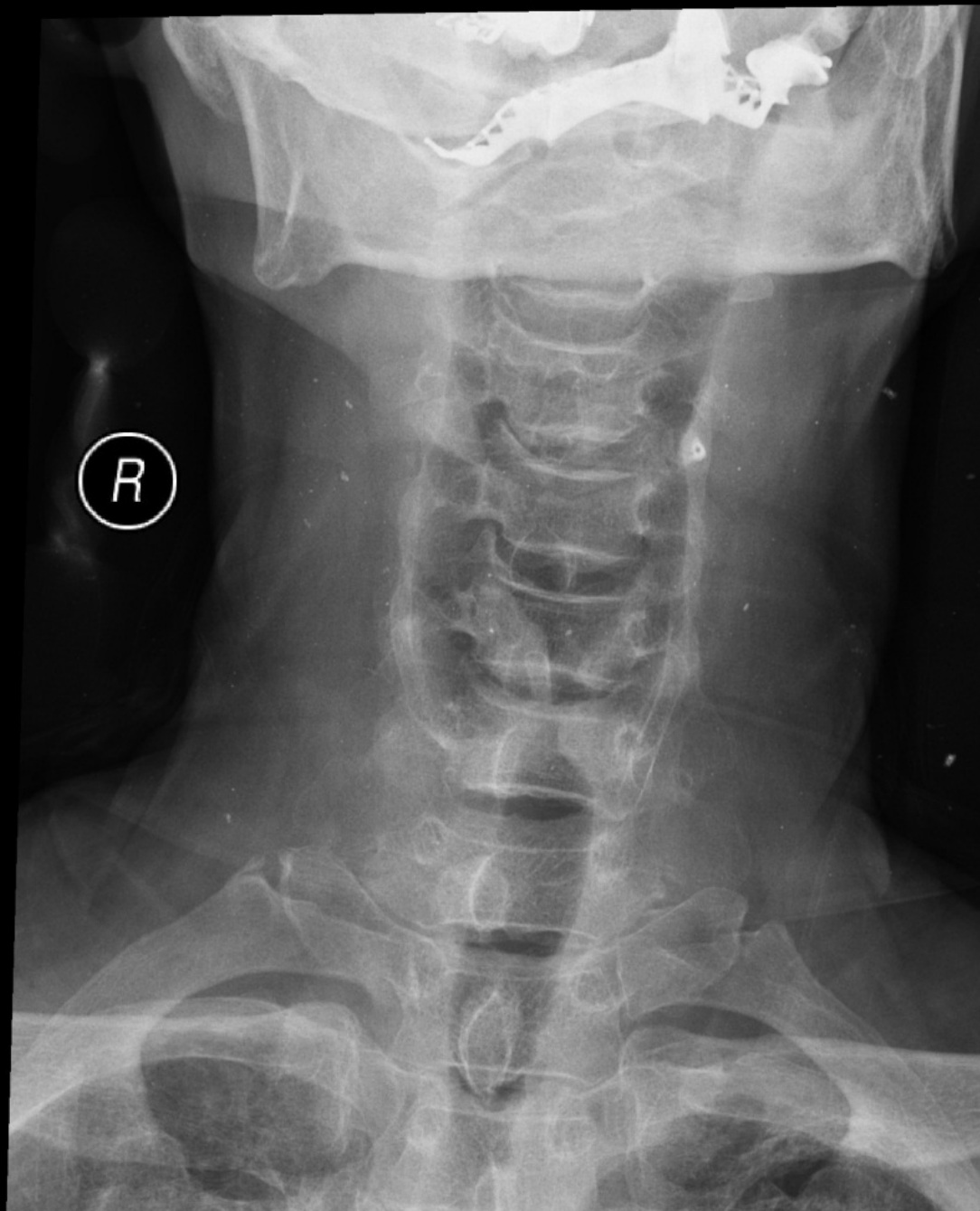




1. Name 4 abnormalities shown in the XR and CT scan.
2. What is the diagnosis?
3. Name two potential organisms causing the disease.
4. Name four important treatments.

Case 3 a

- A 78 year-old man slipped and fell with left side head injury.
 - He complained of neck pain. There was no neurological deficit.
1. What are the abnormal X-ray findings?
 2. What is the diagnosis?





Case 3b

- A 60 year-old man presented with a left knee 'sprain'.
1. What is the X-ray diagnosis?
 2. What is the mechanism of this injury?
 3. What can be the associated injury?

Se1
im1

Study Date: 27/07/2013
Study Time: 15:26:22
MRN:



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V4076



Case 3c

- A 61 year-old woman presented with a left foot 'sprain'. She could not walk with a gross tender and swollen left foot.
 1. What are the X-ray findings?
 2. What is the diagnosis?
 3. What are the two possible mechanism causing this type of injury?
 4. What is the definitive treatment of the patient?



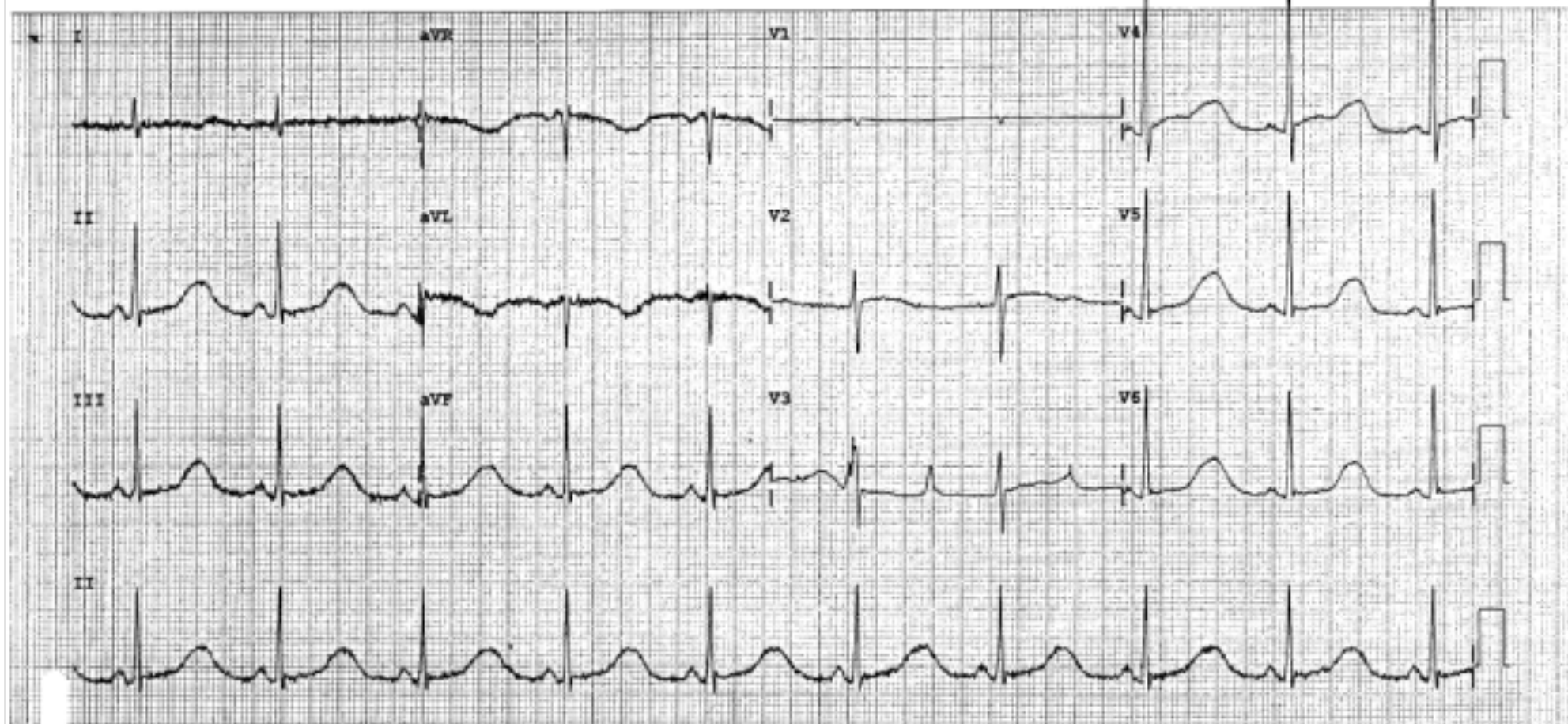
Case 4

- A 65-year-old lady who was diagnosed to have carcinoma of rectum with liver metastasis 6 months before, visited the Accident and Emergency Department for recurrent syncope for one day and diarrhoea for 3 days. She had visited a naturopathic medicine practitioner with treatment given for 2 months.
- On arrival, she was fully conscious with blood pressure 138/55 mmHg, pulse 58 beats per minute, temperature 36.8 degrees Celsius, respiratory rate 18 per minute, H'stix 10.7 mmol/L.

QRS 82
T -74

- ABNORMAL ECG -

Unconfirmed Diagnosis



1. What is the QTc interval according to Bazett's formula?
2. Apart from drugs, name 2 causes of prolonged QTc interval.
3. What "drug" given by the naturopathic medicine practitioner is the most likely cause of the patient's clinical presentation?
4. Apart from antidote, what are the treatment options for the patient?
5. Name the specific antidote for this patient.

Case 5

- A 53 year-old man presented with acute severe diffuse abdominal pain.
1. What is the abnormal AXR finding?
 2. What history will you get from the patient?
 3. What is the definitive treatment?



