

OSCE Questions

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PMH AED

2 September 2009

Question 1

A 30 year old man suffered from a fall on an outstretched hand while playing football. Examination showed deformity over his right elbow.

Here is the X ray:

Se 359686
Im 0

Study Date: 26/07/2009
Study Time: 01:35:35
MRN:

Se 359686
Im 0

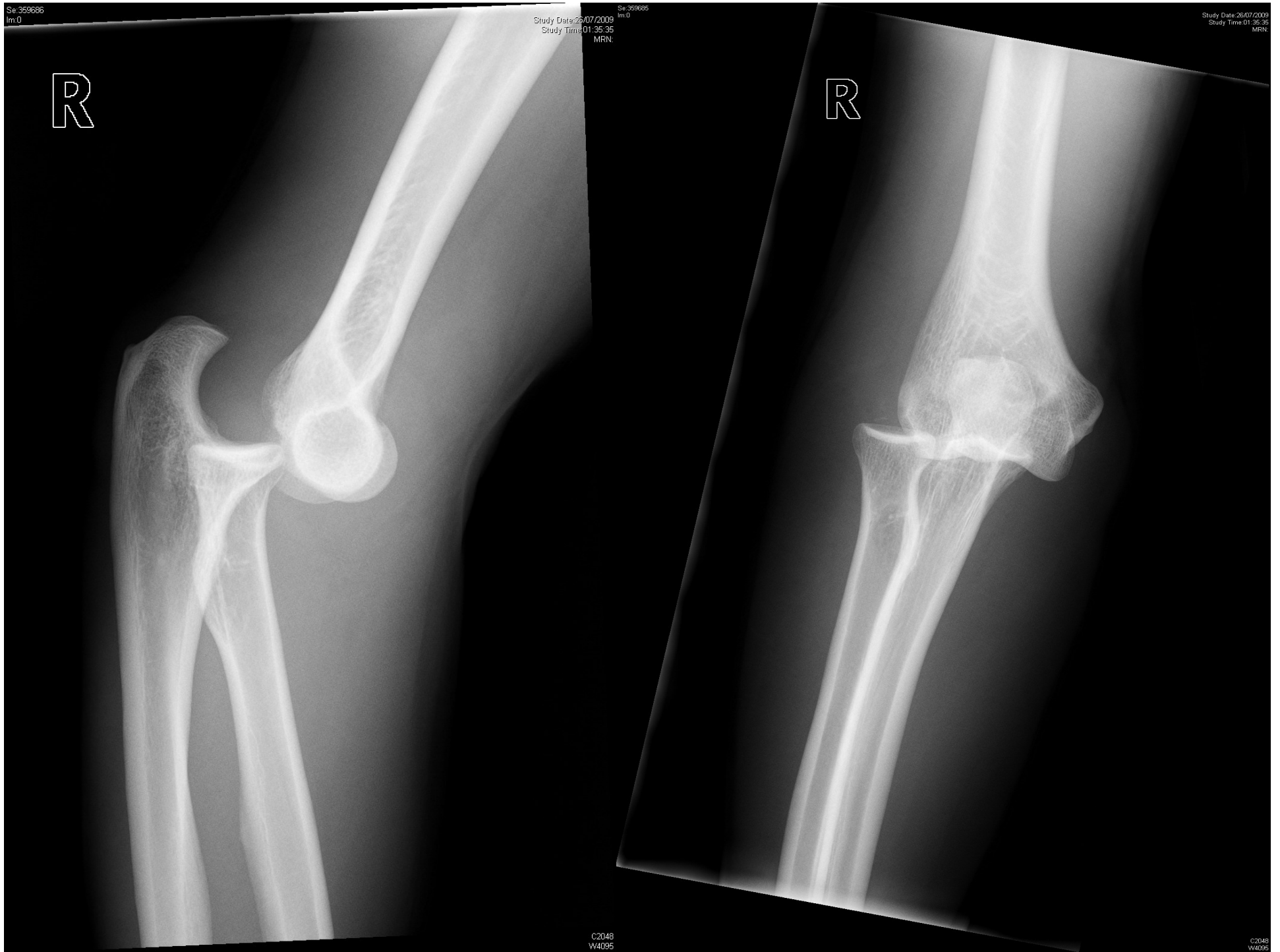
Study Date: 26/07/2009
Study Time: 01:35:35
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R

R

C2048
W4095

C2048
W4095



- a. What is the diagnosis? (1 mark)
- b. Which specific part(s) of bone around the elbow joint would be fractured with this injury? (3 marks)
- c. Which nerve(s) is mostly likely to be injured in this condition? (2 marks)
- d. What other important structure will be damaged as well? (1 mark)
- e. Name one other complication. (1 mark)
- f. What would be the definitive management in AED? (2 marks)

Question 2

A 78 year old lady with history of DM presented to A&E with chest discomfort and shortness of breath for 3 days.

Examination showed BP 130/80, pulse 95, RR 20/min, SpO₂ 96% in room air.

ECG was performed and result as follows:



- a. What is the diagnosis? (1 mark)
- b. What would be the site of the pathology in the heart conducting system involved? (1 mark)
- c. Name two causes for this condition? (2 marks)
- d. Her condition deteriorated with BP 80/55, pulse 40 bpm and she became lethargic, what would be the definitive management in AED? (1 mark)

Question 3

A 45 year old lady, previously well, presented to A&E with severe epigastric pain.

BP 155/100, pulse 100 bpm, temp 37.8C

No obvious yellowish discoloration of the sclera was noted.

There was significant tenderness over epigastrium.

- a. Name three common differential diagnoses. (3 marks)

A bedside ultrasound was performed.

FR 26Hz
RS

2D
51%
C 55
P Low
HPen

M2

0

5

10

15

C132
W294

Dist 0.426 cm



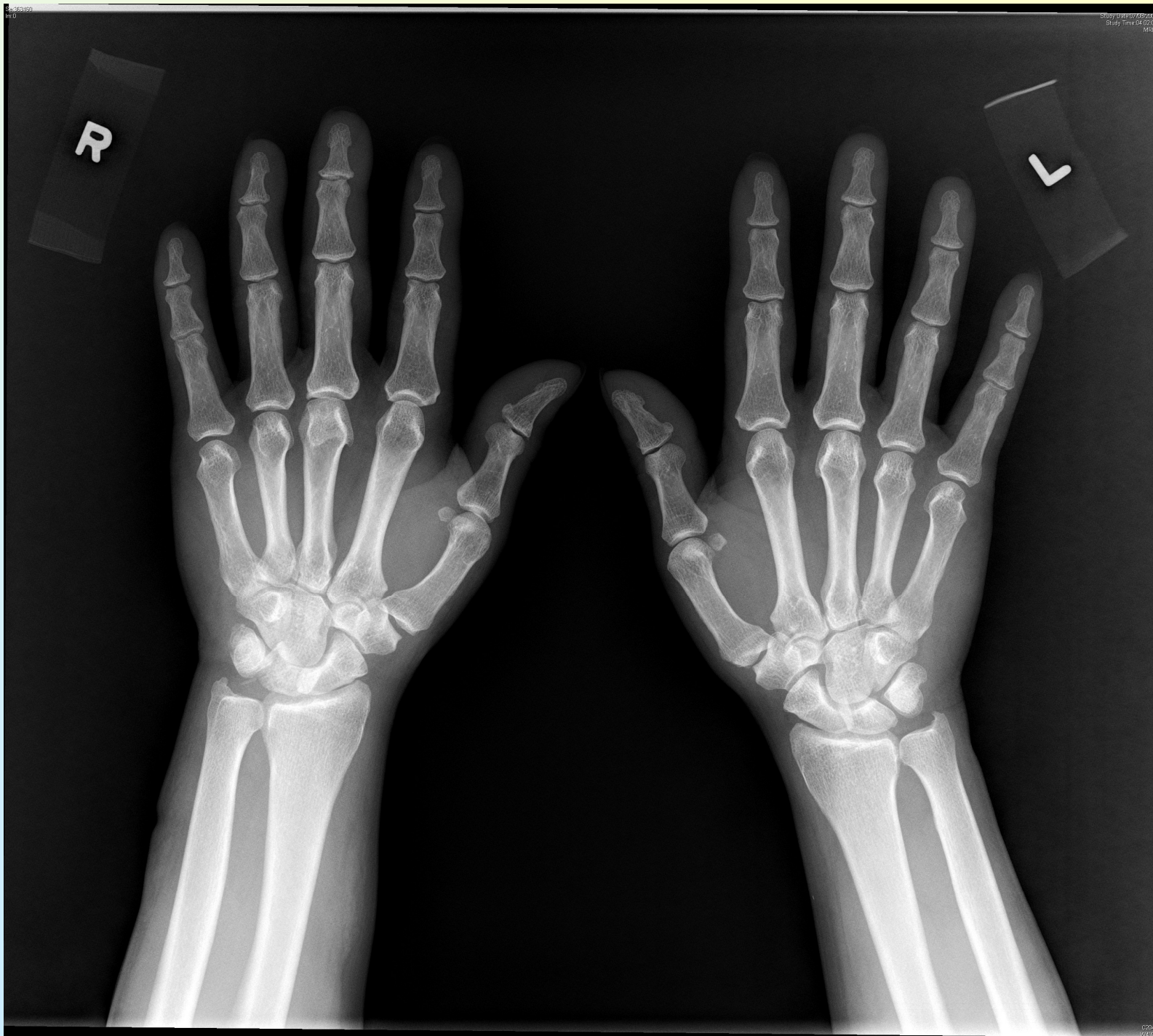
- b. What is the diagnosis? (1 mark)
- c. What other ultrasonic feature(s), besides the features shown in this ultrasound, would be anticipated? (2 marks)
- d. Suggest 4 causative factors for this condition. (4 marks)
- e. Name two complications if the condition does not resolve. (2 marks)

Question 4

A 20 year old man suffered from a fall on an outstretched hand.

He had severe right wrist pain, swelling and limited wrist movement.

X ray was performed.



Se:363163
Im:0

Study Date:07/08/2009
Study Time:04:04:04
MRN:

R



C2048
W4095

- a. What is the diagnosis? (1 mark)
- b. Name one radiological sign noted on the X ray. (1 mark)
- c. What other clinical feature would be expected in this condition? (1 mark)
- d. Which structure is involved to account for the feature noted in (c) ? (1 mark)
- e. What is the definitive treatment? (1 mark)

Question 5

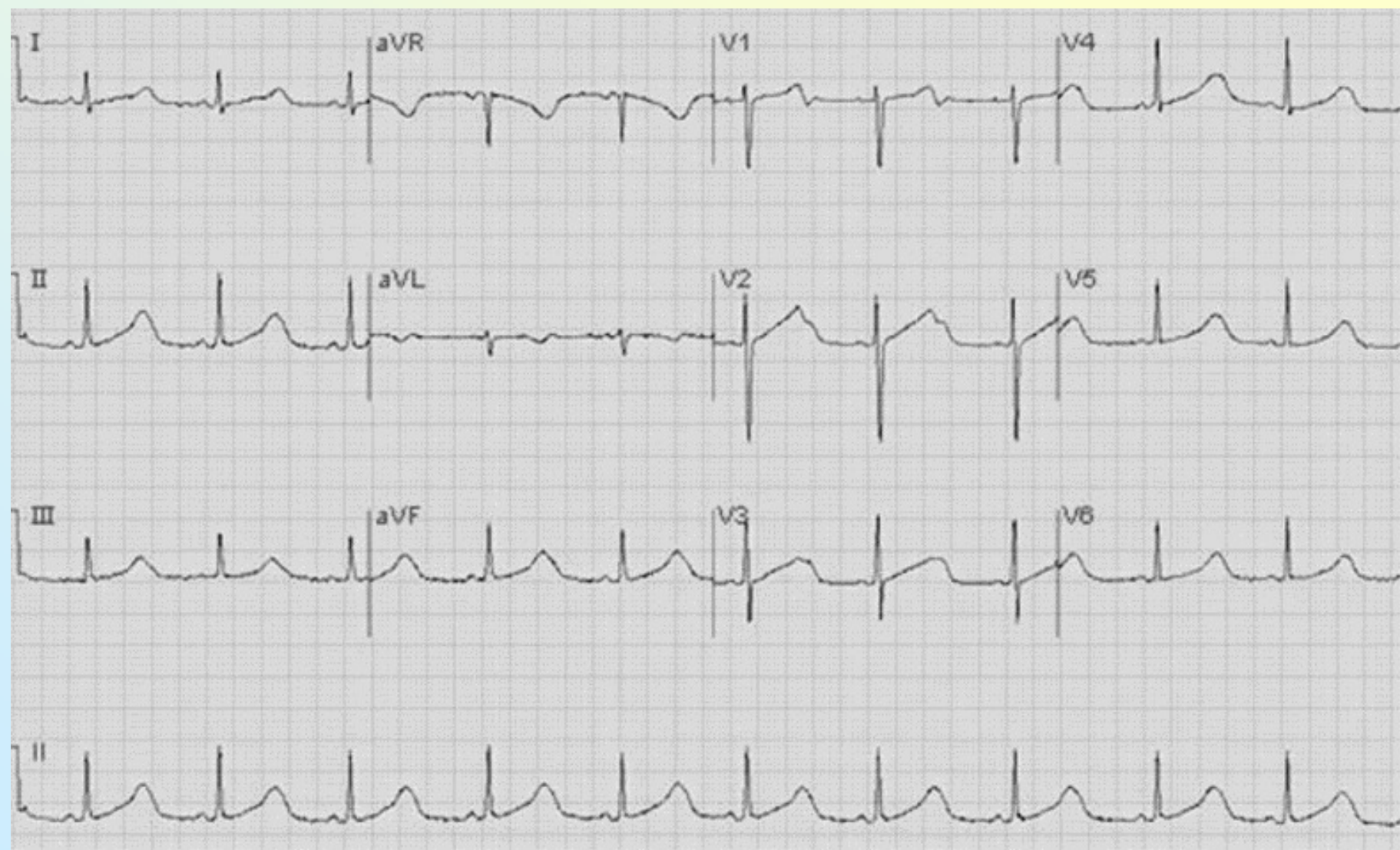
A 17 year old lady suffered from syncope while she was hiking.

She had 2 more episodes of syncope a few years ago.

Her vital signs were as follows:

BP 120/75, pulse 85, RR 16, temp 36.5C

An ECG was performed.



- a. What is the diagnosis from ECG? (1 mark)
- b. What would the congenital disability be if this condition was inherited? (1 mark)
- c. Give three causes for the acquired condition of this diagnosis. (3 marks)
- d. Name the arrhythmia associated with this condition. (1 mark)
- e. What drug (first line) will be given if the arrhythmia mentioned in (d) occur? (1 mark)
- f. What drug would be prescribed to her upon discharge? (1 mark)
- g. If there is a strong family history of sudden cardiac death, what is the definitive management? (1 mark)

Question 6

A 11-month old infant was found to be unconscious after his head hit against the wooden frame of the bed.

He was deeply comatose with extensor response. There were some bruises over the lateral aspects of his chest wall as well.

CT brain was performed.



- a. Give two radiological findings on the CT brain. (2 marks)
- b. What is the diagnosis from the CT film? (1 mark)
- c. Name the *specific* clinical condition from the history and the clinical findings. (1 mark)
- d. What would be the fundoscopic finding(s) in this infant? (2 marks)
- e. Give two risk factors (associated with the child) for the condition mentioned in (c). (2 marks)