

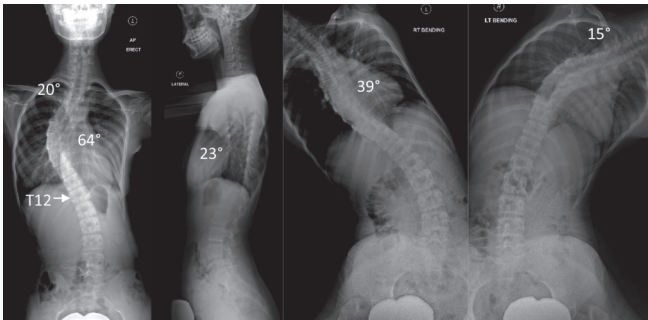
# ORTHOPAEDIC CLINICAL QUIZ

The following questions are based on the photographs and images provided. Answers and further information are available in pages 160-161

**Chung WH, Mansor A, Ahmad TS**

Department of Orthopaedic Surgery, University of Malaya, Kuala Lumpur, Malaysia

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## Question 1

These are plain radiographs of a 12-year-old girl who was diagnosed with adolescent idiopathic scoliosis.

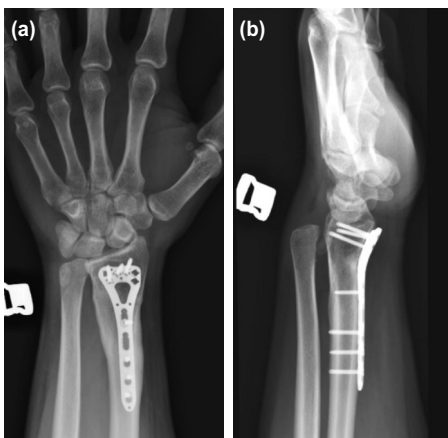
- Identify the following vertebrae.
  - The end vertebrae. (2 marks)
  - The stable vertebra. (1 mark)
  - The neutral vertebra. (1 mark)
  - The apical vertebra. (1 mark)
- Identify the following curves:
  - The structural curve. (1 mark)
  - The non-structural curves. (2 marks)
- Name ONE (1) classification commonly used for this condition. (2 marks)



## Question 2

This is a plain radiograph of an 18-month-old boy. He was planned for surgical treatment after failed closed manipulation.

- Describe FOUR (4) abnormal findings in the plain radiograph. (4 marks)
- What is the most likely diagnosis? (1 mark)
- What is the most appropriate treatment in this child? (1 mark)
- Name FOUR (4) anatomical structures that prevent successful manipulation? (4 marks)



## Question 3

This is a plain radiograph of a 26-year-old Carpenter who presented with persistent left wrist pain for 10 months following surgery.

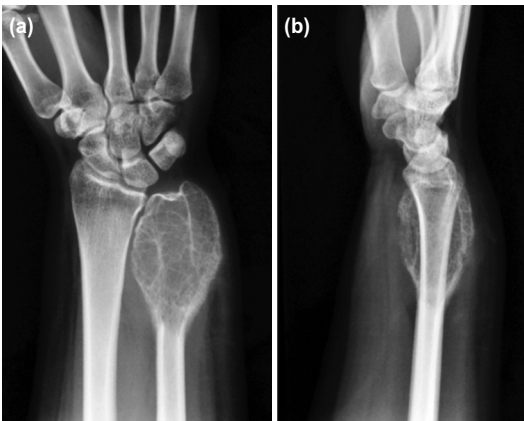
- Describe FOUR (4) findings in the plain radiograph. (4 marks)
- Name TWO (2) physical signs that you would likely elicit in this patient? (2 marks)
- What is the most likely diagnosis? (2 marks)
- Name TWO (2) complications that would arise if this condition was left untreated. (2 marks)



#### Question 4

An 80-year-old lady complains of back pain for three months following a fall. Imaging of her spine is shown above.

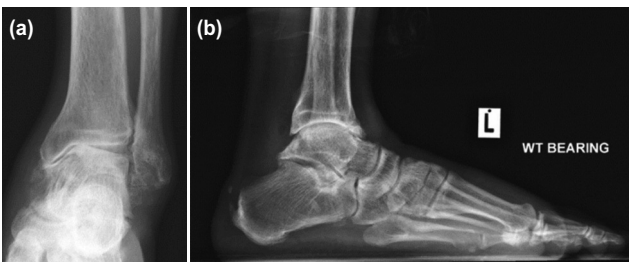
- Name the imaging performed in Figures (a) and (b). (2 marks)
- What is the finding on Figure (c) (white arrow)? (1 mark)
- What is the provisional diagnosis? (2 marks)
- On the spine imaging, how do you differentiate between a recent fracture and a healed old fracture? (3 marks)
- Name TWO (2) minimally invasive surgical interventions that could be carried out. (2 marks)



#### Question 5

This is a plain radiograph of a 33-year-old lady who presented with a painful, progressive swelling of the right wrist for two months.

- Name FOUR (4) findings in the plain radiograph. (4marks)
- What is the most likely diagnosis? (1 mark)
- Name ONE (1) classification commonly used for this condition. (1 mark)
- Classify this condition based on the classification mentioned in Question 3. (1 mark)
- Name THREE (3) complications of this condition. (3 marks)



#### Question 6

These are the plain radiographs of a 70-year-old male retired teacher, who presented with left ankle pain for two years.

- Name FOUR (4) findings in the plain radiograph. (4 marks)
- What is the most likely diagnosis? (2 marks)
- Name ONE (1) classification most commonly used in this condition. (1 mark)
- What foot wear do you recommend for this patient if he chooses non-operative treatment? (1 mark)
- Name two (2) surgical options for this condition? (2 marks)