ORTHOPAEDIC CLINICAL QUIZ

The following questions are based on the photographs and images provided. Answers and further information are available in this issue.

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Question 1

This plain radiograph belongs to an infant who presented with bilateral lower limb deformities.

a. Identify the abnormalities seen.
b. What is the diagnosis?
c. Why does flexion contracture of the knee occur with these deformities?

Question 2

This 2-year-old boy fell on the outstretched hand while running. He presented with a painful left elbow. Plain radiographs of the affected elbow were normal.

a. What is the likely diagnosis?
b. What is the pathology of this condition?
c. How would you treat this child?

Question 3

These antero-posterior and lateral radiographs of the right elbow belong to a 2-year-old boy who sustained an injury to his elbow.

a. What is the diagnosis?
b. How would you treat the child?
c. What complication would you expect if this injury is left untreated?
Question 4

This 10 year-old boy presented with progressively deforming left elbow following trauma 2 years ago.

a. Name the elbow deformity and identify another deformity in the left upper limb.
b. State two possible causes for the elbow deformity.
c. What is the complete diagnosis?

Question 5

This radiograph of the left elbow belongs to the patient in question 4.

a. What is your diagnosis?
b. What is the cause of this complication?
c. What are the treatment options?

Question 6

This frog-leg lateral radiograph of the left hip belongs to a 12 year-old boy who presented with a 3-week history of left knee pain.

a. What is your provisional diagnosis?
b. What is your radiological diagnosis?
c. How do you explain his symptom of knee pain?
d. How would you treat this child?
e. What complication of treatment of this lesion is commonly seen in the early adulthood period?