

ORTHOPAEDIC CLINICAL QUIZ

FOOT AND ANKLE DISORDERS

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

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Quiz 1

A 21 year-old man presented with spontaneous onset stiffness and painful right second toe without prior history of injury. He had antalgic gait and walking about 10 minutes aggravated the pain. The secondmetatarsophalangeal joint (MTPJ) was swollen with a palpable fullness and callosity at the plantar aspect of the second MTPJ.

- Described the radiological findings seen in both plain radiograph and CT-scan of the right foot.
- What is your diagnosis?
- What are your differential diagnoses?
- How do you classify the disease for guidance of treatment?
- What are your treatment options?



Quiz 2

A 14 year-old boy presented with abnormality of the right foot. The deformity started in early childhood period and progressively increasing to the current size.

- What is your provisional diagnosis?
- List your differential diagnoses.
- What tissue structures does the disease affect?
- What is the different between abnormal tissue elements in the foot as compared to similar lesion in the hand?
- What is your treatment plan?



Quiz 3

A 28-year-old man presented with pain and fullness over the posterior medial aspect of the left ankle. The pain is provoked by exercise particularly running and jumping, and relieved on resting.

- What is your provisional diagnosis?
- List your differential diagnoses.
- Identify the salient characteristic feature seen in the above MRI of the ankle?
- What is your treatment plan?



Quiz 4

These radiographs of the foot belong to a 55-year old man who presented with bilateral swelling of the feet.

- Describe the abnormalities seen.
- What is the diagnosis?
- What further investigations are needed? Give your reasons.
- What are the stages of this condition?
- Outline the management of this condition.