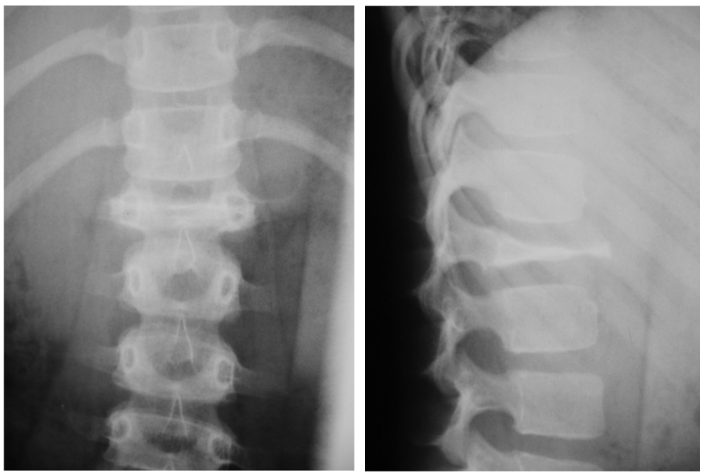
ORTHOPAEDIC CLINICAL QUIZ

S Sengupta and Hassan Shukor

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

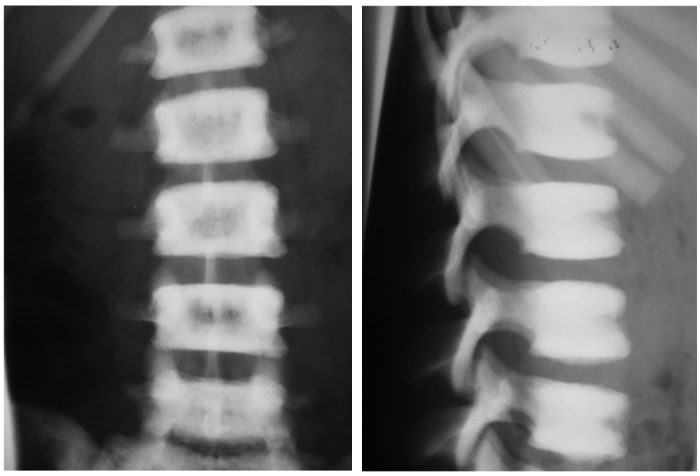
1



- **These are radiographs of the spine of a 10-year-old girl who was complaining of aching pain in her back for three months.**
- **Examination reveals an otherwise normal girl with slight tenderness of the spinous process at the lumbo-dorsal junction.**

1. Describe the salient radiographic changes.
2. What are the likely differential diagnoses?
3. How to confirm the diagnosis?
4. How would you manage this case?

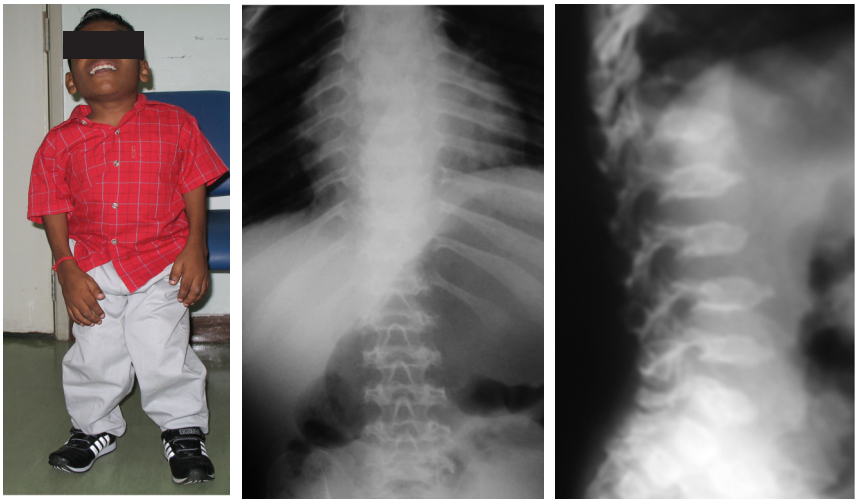
2



- **These radiographs of the spine are part of skeletal survey carried out for a 4-year-old boy who sustained a fracture of the femur after a trivial fall.**
- **His parents were scanned and found to have normal bone density.**

1. Describe the salient findings seen.
2. What is the diagnosis?
3. What investigations are necessary?
4. How would you manage his femoral fracture?

3



- **These are the photograph and radiographs of the spine of a 9-year-old boy with short stature, kyphotic spine and joint deformities.**

1. Describe the salient radiographic features.
2. What is the diagnosis?

4

- **These are radiographs of the spine of a 56-year-old lady who has been complaining of backache for four months. Nearly 20 years ago she was treated for chronic cough and has been well since then.**
- **Examination of the spine reveals no local tenderness but movements are restricted.**

1. Describe the salient radiographic findings.
2. What is the most likely diagnosis?
3. What investigations are necessary?
4. How would you manage the problem?

5

- **A 40-year-old man has been complaining of nagging back pain for 10 years with gradual stiffness of the back. He is unable to tie his shoe laces without squatting. Recently even squatting has become difficult.**
- **His elder brother also had similar disabilities with less intense backache and stiffness.**

1. Describe the salient radiographic findings.
2. What is the diagnosis? What other symptoms may be present?
3. What other investigations are needed?
4. What will be the management?

6

- **These are photographs of a 14-year-old boy presented with abnormal posture and progressive scoliosis developing after the age of 10 years**

1. What is the diagnosis?
2. How would you establish the diagnosis based on signs identified from these photographs?
3. What other signs are included in the diagnostic criteria?