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Radiology Quiz

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QUESTION 1

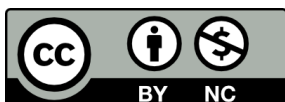
A young man presents with painful hips and the following X ray



- What is the diagnosis?
- What part of the spine is most commonly affected in ankylosing spondylitis?
- Which genetic marker is strongly associated with ankylosing spondylitis?
- What is a common early symptom of ankylosing spondylitis?
- What is a key radiological sign of ankylosing spondylitis on X-ray?
- Which activity is recommended in this disease?

ANSWERS

- Ankylosing spondylitis
- The sacroiliac joints and lower spine are most commonly affected.
- HLA-B27 is strongly associated with the condition
- Chronic lower back pain and stiffness are common early symptoms.
- Sacroiliitis and "bamboo spine" appearance are key X-ray findings
- Swimming

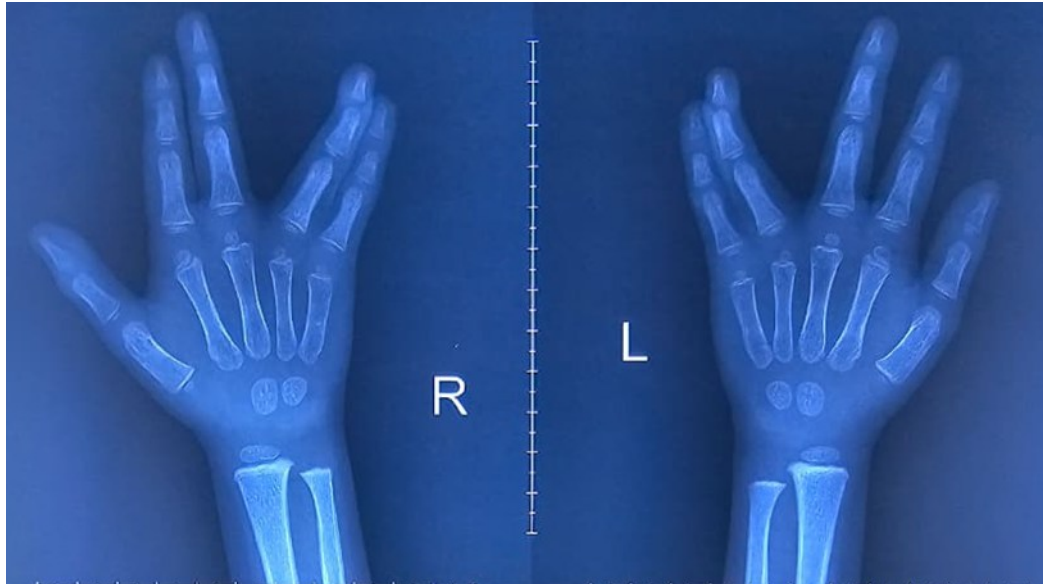


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QUESTION 2

A baby presented with hand deformity since birth and the following X ray



- What is your diagnosis
- What is seen on imaging in partial syndactyly?
- Which syndromes are commonly associated with syndactyly?
- Can syndactyly be associated with other skeletal abnormalities on X-ray?
- Why is imaging important in syndactyly cases?

ANSWERS 2

- Partial syndactyly
- It shows soft tissue fusion with separate underlying bones.
- Syndactyly is commonly associated with Apert, Poland, and Carpenter syndromes.
- Yes, it may be associated with polydactyly or bone deformities.
- It helps in surgical planning by showing the extent of bone and soft tissue involvement.



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