

Images in medicine

Langerhans cell histiocytosis of the hip in children



Zied Jlalía^{1, &}, Dhia Kaffel²

¹Pediatric Orthopedics Department, Kassab Institute of Orthopedic Surgery, Ksar Said, Tunisia, ²Rheumatology Department, Kassab Institute of Orthopedic Surgery, Ksar Said, Tunisia

[&]Corresponding author: Zied Jlalía, Pediatric Orthopedics Department, Kassab Institute of Orthopedic Surgery, Ksar Said, Tunisia

Key words: Langerhans cell histiocytosis, hip, children

Received: 16/12/2018 - Accepted: 07/07/2019 - Published: 18/07/2019

The Pan African Medical Journal. 2019;33:230. doi:10.11604/pamj.2019.33.230.17956

This article is available online at: <http://www.panafrican-med-journal.com/content/article/33/230/full/>

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Image in medicine

Eight year old girl was referred to our consultation for a lameness with a fessum of the left hip with fever (38.5°C). Biology showed an inflammatory syndrome (CRP: 29 mg/l). Pelvic X-ray showed an osteolysis of the roof of the left acetabulum with regular contour (A). Magnetic resonance imaging (MRI) showed tissue thinning and damage to the roof of the left acetabulum (B). A scanno-guided biopsy was performed, anatomopathological study confirmed the diagnosis of Langerhans cell histiocytosis. A discharge, with traction was done. The child has improved and biology has normalized. The radiograph of the hip after 1 year showed a filling of the gap (C). Langerha's cell histiocytosis is a proliferation of mononuclear phagocytic cells. It is also called eosinophilic granuloma. It is often located at the skull and spine. The localization at the hip represents only 8% of the cases it is especially supra-acetabular its spontaneous evolution is favorable.

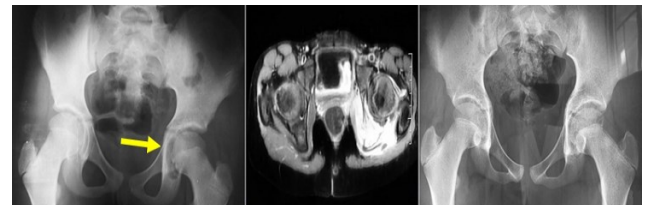


Figure 1: A) pelvic X-ray showed an osteolysis of the roof of the left acetabulum with regular contour; B) MRI of the hip joint showed tissue thinning and damage of the roof of the left acetabulum; C) pelvic X-ray after 1 year showed a filling of the gap