

## The Curious Case of The Crawling Child

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### INTRODUCTION:

Tuberculosis remains a major cause of skeletal infection in developing countries.<sup>1</sup> Skeletal tuberculosis in the pediatric age group is uncommon with a reported incidence of 5-6% of pediatric extrapulmonary cases.<sup>2</sup> Hip tuberculosis constitutes nearly 20% of all cases of skeletal tuberculosis.<sup>2</sup> In this case report, we discussed the presentation, diagnosis, management and outcome of the patient.

### REPORT:

A 2 year old boy with no known history of TB contact presented with limping gait and inability to weight bear, thus crawling, 2 week post trauma. MRI was done and revealed acute femoral neck osteomyelitis with joint collection. He underwent a left hip arthrotomy washout shortly. Synovial fluid sample yielded AFB and Mycobacterium Tuberculosis in TB GeneXpert . Bone and synovial HPE showed chronic granumalattous inflammation with necrosis and multinucleated giant cells. Urgent first line anti TB (HRZE) was started during intensive phase for 2 months and subsequently stepped down to maintenance phase . Unfortunately , recurrent infection over the same side happened after 3 months . Repeated MRI showed worsening bone involvement and abscess formation. 2<sup>nd</sup> arthrotomy washout was done. In view of synovial fluid culture from 1<sup>st</sup> operation shows resistant to pyrazinamide, levofloxacin was added to the regime. In recent clinic review, (postoperative 1 year), child shows excellent recovery. He is ambulating, running and jumping with well healed wound at the surgical site.

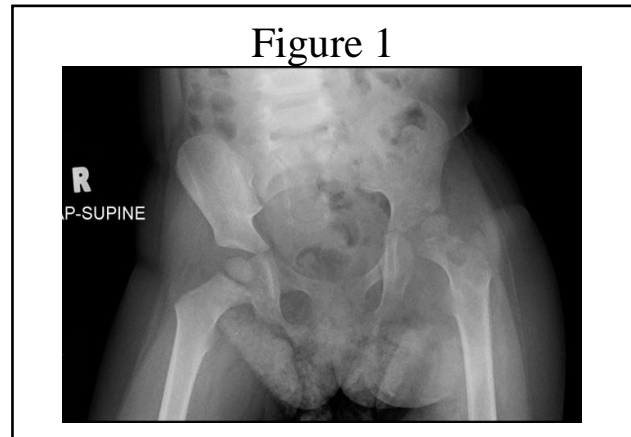


Figure 1: Xray prior 2<sup>nd</sup> washout



Figure 2: postop 4 months. (2<sup>nd</sup> washout)

### CONCLUSION:

Antituberculous drugs remain as mainstay of treatment.<sup>3</sup> Its early initiation combined with judicious surgical intervention are crucial to promote early healing and maintain hip function until adulthood.<sup>3</sup>

### REFERENCES:

- 1.MAF MohideenI; MN RasoolII “ Tuberculosis of the hip joint region in children ”
2. Anil Agarwal, Tarun Suri, “Tuberculosis of the hip in children: A retrospective analysis of 27 patients”
- 3.Myung-Sang Moon,3 Sung-Soo Kim “Tuberculosis of hip in children: A retrospective analysis”