

NON SPECIFIC HIP PAIN IN PEADIATRICS AGE GROUP - A DIAGNOSTIC DILEMMA - CASE REPORT

Thillaivadivelan S , Choo QQ , Foo KY, Satriya SHA
Department of Orthopaedic, Hospital Tengku Ampuan Rahimah, Klang

INTRODUCTION

Symptom of non traumatic hip pain in children is commonly seen. A young child with non specific hip pain often possesses a diagnostic dilemma.

Case Report

We report a case of a healthy 9 year old female who presented with history of right hip pain for 3 days with inability to bear weight. The right hip pain was preceded by a short history of fever, cough and runny nose one week prior to presentation. Clinically she had antalgic gait but passive and active range of movement of bilateral hip joints were full and she was able to bear weight on her right side when asked to perform "Trendelenburg test". The diagnosis of transient synovitis was made initially and ultrasound of bilateral hip joint showed no effusion or collection. However, the right sided pain persisted. Upon further careful reassessment, we found that the pain was mainly over the right iliac fossa upon deep palpation, which was masquerading as her right hip pain. Ultrasound of the abdomen showed multiple enlarged mesenteric lymph node in keeping with features of mesenteric adenitis. She recovered well with supportive treatment ,was able to ambulate as usual and discharged home well with no complications.

Discussion

Children with hip pain may be a non specific symptom. In this case, the pain over the "right hip" was aggravated by movement and weight bearing but range of movement was intact. "Hip pain" may mimic other conditions such as acute appendicitis, urinary tract infection and constipation colic, apart from hip pathology. The preceding history of fever, cough and rhinorrhea one week prior helped establish the diagnosis. Even with radiological imaging to aid in diagnosis, thorough history taking and complete full examinations is essential in establishing the right diagnosis as mesenteric adenitis mimicking hip septic arthritis or synovitis are rarely reported.

Conclusion

Our case showcases unusual presentation of mesenteric adenitis mimicking hip pathology in children. Therefore, various differentials of lower abdomen pathology should also be considered in cases presented with hip pain.

References

SANA ALHAJRI , VALERIE CHORNY .Septic Arthritis of Hip Joint Mimicking Appendicitis , Chest Journal,2017.08.329