

SALMONELLA SHOULDER SEPTIC ARTHRITIS :CASE REPORT

Yogeshwarran Nadeson¹, Jagjoth Singh Darshan Singh²

¹Hospital Sibuan, ²Hospital Umum Sarawak

Introduction: Septic arthritis in paediatric population is fairly uncommon. Primary glenohumeral septic arthritis is underreported even in developed countries (Justin W Walker-2016). No data is available in our local setting for paediatric septic arthritis.

Discussion: A 1 year old referred on Day 15 of illness to our institution. Initially during admission to district hospital mother did not inform reduced left shoulder movement and was treated as viral induced wheeze as patient had fever and less active. Subsequently discharged. On Day 14 of illness was brought back to district hospital as mother noted range of movement was still limited hence referred to our institution for left shoulder septic arthritis. On examination child was fretful not septic looking. Left shoulder there was no obvious swelling no skin changes however tender as demonstrated as child refused during palpation. Our initial blood investigation TWC:10.3 Platelet:1334 ESR:63 CRP: positive. X-ray: Noted widening of left shoulder joint. USG left shoulder: suggestive of septic arthritis. Proceeded with left shoulder arthrotomy washout- noted of pus. Cartilage left head humerus healthy. Post operative patient discharged. Swab c&s intra-operative grew :salmonella (heavy growth). Patient who initially was on cloxacillin then was started on a course of IV ceftriaxone. Septic arthritis in paediatric population is rare especially with salmonella species. This patient diagnosis was delayed, fortunately did not develop osteomyelitis. We were unable to find any risk factors for salmonella infection in this patient. Mother was immunized. Patient was born term and However subsequent screening for mother is still pending.

Conclusion: In emergency setting paediatric patients should be thoroughly screened as septic arthritis is often missed and high degree of suspicion be held for salmonella infection.