

Project Runway: A 10-Year Story Of A Girl With A Limp

Mat Husin MZA; Norasikin MZ; Abdul Latib A; Yusof MF

Orthopaedic Department, Hospital Melaka, Melaka

INTRODUCTION:

This is a case story on a ten (10) year case follow up of an eight-year-old girl who first presented to us with intramuscular abscess of the right leg with right knee septic arthritis which later complicated into osteomyelitis of the right tibia and fibula. She had undergone multiple surgeries to eradicate the source of infection that led to a significant shortening of the affected limb throughout her adolescent years. She had later undergone multiple stages of limb lengthening reconstructive surgeries to address the shorten limb till finally ten years later in 2018 she is able to walk with a discrepancy of 2cm

MATERIALS & METHODS:

Data collection and serial X-rays of numerous stages of surgery

RESULTS:

Multiple stages of surgery resulting in the final discrepancy of 2cm over the effected limb

Figure 1: Legend (initial x-ray post corticotomy)

Figure 2: Legend (latest X-ray 2018)

DISCUSSIONS:

Incidence of limb length shortening in Osteomyelitis in paediatric group

Common pitfalls in LLRS in adolescence

When should we start the surgery?

Impact of LLD in Adolescence

Comparison of outcome in LLRS in adolescence

CONCLUSION:

Achieving functional goal of walking with a normal walking gait

REFERENCES:

1. **Sequelae of pediatric osteoarticular infection.** B. Ilharreborde. Orthopaedics & Traumatology: Surgery & Research 101 (2015) S129–S137
2. Acta Orthop. 2009 Dec 4; 80(6): 704–710. Long-term psychosocial functioning after Ilizarov limb lengthening during childhood Judith M Moraal,¹ Alda Elzinga-Plomp, Marian J Jongmans,¹ Peter M van Roermund,² Petra E Flikweert,²
3. Quality of life of children with lower limb deformities: A systematic review of patient-reported outcomes and development of a preliminary conceptual framework. Harpreet Chhina¹, Anne Klassen², Jacek Kopec³, Sujin Park⁴, Cadi Fortes⁴, Anthony Cooper⁵. Journal of Limb Lengthening & Reconstruction (2017) Vol:3: Issue:1: 19-29
4. Barbarossa, V. e. (2001). Treatment of Osteomyelitis and Infected Non - union of the Femur by a Modified Ilizarov Technique: Follow - up Study. Croatian Medical Journal, 42(6):634 - 641.