

## Effectiveness of surgical treatment of flexible flatfoot

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**INTRODUCTION:** Flexible flat foot valgus is one of the most common orthopedic entities in Pediatrics. Several conservative treatments have been described for its correction and due to the persistence of the pathology and symptoms, surgical correction is indicated. **Objective:** To evaluate the effectiveness of the surgical treatment of flexible flat foot valgus in children who attend orthopedic consultation at Central Hospital of the armed forces and Dr. Hugo de Mendoza Hospital.

**METHODS:** A descriptive, observational and ambispective, cross-sectional study.

**RESULTS:** A predominance was observed at the age of 7-10 years with 73.68%, female sex with 66.67% and urban origin with 59.65%. According to the location, bilateral predominance was 98.25%. The diagnostic methods used correspond to visual evaluation, x-rays, Hallux Jack test, and Rodríguez Fonseca test in 100.00% of patients. Among the surgical techniques used, Subtalar Arthrodesis was used in all patients. Regarding the measurement of the Costa Bartani angle, the pre-surgical values were  $147 \pm 5.2$ , post-surgical  $125 \pm 1.8$ . Pre-surgical Meary Angle:  $10 \pm 0.7$ , postsurgical:  $3 \pm 0.2$ , Calcaneus-Fifth Metatarsal Angle pre-surgical  $3 \pm 0.5$  and postsurgical:  $15 \pm 0.6$ . Talal-Scaphoid Coverage pre-surgery  $65 \pm 2.5$  and postsurgery  $31 \pm 1.6$ . In 92.98% the post-surgical results were excellent. Only 17.54% presented complications.

**DISCUSSION AND CONCLUSION:** The resolution of painful flexible flatfoot valgus through surgical methods is effective, with excellent post-surgical results, with minimal complications.

