

Short device for restoring femur in children

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Technology description

Introduction

Children with sequelae of cerebral palsy often undergo orthopaedic surgery (osteotomy) to correct femoral rotation deformity. The orthopaedic implants commonly used in this procedure consist of plaques located on the lateral side of the bone. The intramedullary nails (located in the bone) that can be used for bone fixation are very long and are not specifically designed for this population of patients.

Objective

Short intramedullary nail fixation of the femur is planned to use minimally invasive surgical techniques based on the anatomy of children diagnosed as sequelae of cerebral palsy.

Stage of development



Application area

- Rotating femoral osteotomy and fixation
- Use of minimally invasive technologies.
- Patients with femoral rotation deformity due to sequelae of cerebral palsy

Institution

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