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Long-term outcomes of external femoral derotation osteotomies in children with cerebral palsy

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Research Highlights:

- 1) Femoral derotation osteotomies can improve gait outcomes long-term
- 2) Femoral derotation osteotomies can reduce excessive internal hip rotation
- 3) Femoral derotation osteotomies can reduce excessive internal foot progression
- 4) Some patients do not maintain initial benefits of the femoral derotation osteotomy
- 5) All patients still show improvements compared to preoperative values

Abstract: External femoral derotation osteotomy (FDO) is an orthopaedic intervention to correct excessive internal hip rotation and associated internal foot progression during gait due to increased femoral anteversion in children with cerebral palsy. The resulting functional issues may include clearance problems and hip abductor lever-arm dysfunction. The purpose of this study was to evaluate long-term gait outcomes of FDO. Twenty ambulatory patients (27 sides)

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