

Accepted Manuscript

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PII: S0966-6362(18)30506-X
DOI: <https://doi.org/10.1016/j.gaitpost.2018.05.002>
Reference: GAIPOS 6083

To appear in: *Gait & Posture*

Received date: 27-1-2018
Revised date: 27-3-2018
Accepted date: 4-5-2018

Please cite this article as: de Moraes Filho Mauro César, Blumetti Francesco Camara, Kawamura Cátia Miyuki, Leite Jaqueline Bartelega Rodrigues, Lopes José Augusto Fernandes, Fujino Marcelo Hideki, Neves Daniella Lins. The increase of anterior pelvic tilt after crouch gait treatment in patients with cerebral palsy. *Gait and Posture* <https://doi.org/10.1016/j.gaitpost.2018.05.002>

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The increase of anterior pelvic tilt after crouch gait treatment in patients with cerebral palsy

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The authors declare no conflicts of interest.

The authors did not receive any outside funding or grants in support of their research for or in preparation of this work.

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Highlights

- The study compares 3 different approaches for crouch gait treatment
- The increase of anterior pelvic tilt was observed at all groups
- The increase of anterior pelvic tilt is a consequence of crouch gait treatment

Abstract

Background: The increase of anterior pelvic tilt (APT) has been described after the treatment of crouch gait in cerebral palsy (CP). The ideal treatment option for flexed knee gait in CP should provide knee extension improvement in the stance phase without generating the increase of APT.

Research question: The purpose of this study was to compare three different approaches used for the treatment of crouch gait in CP [distal femur extension osteotomy (DFEO), patellar tendon shortening (PTS) and the combination of DFEO +PTS] regarding the increase of APT after the interventions.

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