Accepted Manuscript

Title: Unassisted quiet standing and walking after crutch usage in patients with total hip replacements: does crutch length matter?

Authors: Francesco Esposito, Marco Freddolini, Massimiliano Marcucci, Leonardo Latella, Andrea Corvi

PII: S0966-6362(18)30675-1

DOI: https://doi.org/10.1016/j.gaitpost.2018.06.004

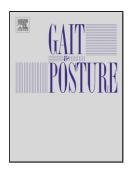
Reference: GAIPOS 6121

To appear in: Gait & Posture

Received date: 26-1-2018 Revised date: 16-5-2018 Accepted date: 4-6-2018

Please cite this article as: Esposito F, Freddolini M, Marcucci M, Latella L, Corvi A, Unassisted quiet standing and walking after crutch usage in patients with total hip replacements: does crutch length matter?, *Gait and Posture* (2018), https://doi.org/10.1016/j.gaitpost.2018.06.004

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Unassisted quiet standing and walking after crutch usage in patients with total hip replacements: does crutch length matter?

Francesco Esposito^{a,b}, Marco Freddolini^{a,*}, Massimiliano Marcucci^{a,b,c}, Leonardo Latella^{a,c}, Andrea Corvi^{a,b}

^aLaboratorio congiunto di Analisi del Movimento, "Fondazione ONLUS: In cammino...", Piazza Spartaco Lavignini 1, 50054, Fucecchio (FI), Italy.

bIndustrial Engineering Department, University of Florence, Università degli studi di Firenze, Via di S. Marta, 3 - 50139 Firenze (FI) Italy.

^cInstitute "Centro di Eccellenza Sostituzioni Articolari Toscana (C.E.S.A.T.)", Piazza Spartaco Lavignini 1, 50054, Fucecchio (FI), Italy.

*Corresponding Author:

Marco Freddolini

Laboratorio congiunto di Analisi del Movimento, "Fondazione ONLUS: In cammino..."

Piazza Spartaco Lavignini 1

50054 Fucecchio (Fi)

Tel: +39 0571-705022

E-mail: marco.freddolini@gmail.com

Highlights

- No difference was found for standing between elbow flexed and elbow extended setups
- Crutch setup influenced gait after patients started to walk unassisted
- Elbow extended setup showed a longer and narrower stride than elbow flexed setup
- Elbow extended setup improves gait recovery after total hip replacement surgery

Download English Version:

https://daneshyari.com/en/article/8798354

Download Persian Version:

https://daneshyari.com/article/8798354

<u>Daneshyari.com</u>