

## Accepted Manuscript

Title: Effects of unstable shoes on trunk muscle activity in patients with chronic low back pain

Authors: P. Salvador-Coloma, M.D. Arguisuelas, J. Doménech-Fernández, D. Sánchez-Zuriaga, J.J. Amer-Cuenca, J. Martínez-Gramage, F.J. Montañez-Aguilera, J.F. Lisón



PII: S0966-6362(18)30725-2  
DOI: <https://doi.org/10.1016/j.gaitpost.2018.06.025>  
Reference: GAIPOS 6142

To appear in: *Gait & Posture*

Received date: 5-12-2017  
Revised date: 24-5-2018  
Accepted date: 11-6-2018

Please cite this article as: Salvador-Coloma P, Arguisuelas MD, Doménech-Fernández J, Sánchez-Zuriaga D, Amer-Cuenca JJ, Martínez-Gramage J, Montañez-Aguilera FJ, Lisón JF, Effects of unstable shoes on trunk muscle activity in patients with chronic low back pain, *Gait and Posture* (2018), <https://doi.org/10.1016/j.gaitpost.2018.06.025>

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.

## **Effects of unstable shoes on trunk muscle activity in patients with chronic low back pain**

**AUTHORS:** P. Salvador-Coloma<sup>1</sup> PHD, MD. Arguisuelas<sup>1</sup> PHD, J. Doménech-Fernández<sup>2</sup> PHD, D. Sánchez-Zuriaga<sup>3</sup> PHD, JJ. Amer-Cuenca<sup>1</sup> PHD, J. Martínez-Gramage<sup>1</sup> PHD, FJ. Montañez-Aguilera<sup>1</sup> PhD, J.F. Lisón<sup>4</sup> PHD.

<sup>1</sup> Department of Physiotherapy, Universidad Cardenal Herrera-CEU, CEU Universities, Valencia, Spain.

<sup>2</sup> Department of Surgery Faculty of Health Sciences, Universidad Cardenal Herrera-CEU, CEU Universities, Valencia, Spain.

<sup>3</sup> Department of Anatomy and Human Embryology, Faculty of Medicine, Universitat de València, Valencia, Spain.

<sup>4</sup> Department of Medicine Faculty of Health Sciences, Universidad Cardenal Herrera-CEU, CEU Universities, Valencia, Spain.

### **E-mails:**

Pablo Salvador-Coloma: pablo.salvador@uch.ceu.es

Julio Doménech-Fernández: julio.domenech@uchceu.es

Daniel Sánchez-Zuriaga: daniel.sanchez@uv.es

María Dolores Arguisuelas: doloresarguisuelas@uchceu.es

Juan Jose Amer-Cuenca: juanjoamer@uchceu.es

Javier Martínez-Gramage: jmg@uchceu.es

Francisco Javier Montañez Aguilera francisco.monta@uchceu.es

Juan Francisco Lisón: juanfran@uch.ceu.es

Download English Version:

<https://daneshyari.com/en/article/8798375>

Download Persian Version:

<https://daneshyari.com/article/8798375>

[Daneshyari.com](https://daneshyari.com)