

Accepted Manuscript

Dimensional changes of the carpal tunnel and median nerve during manual mobilization of the carpal bones — Anatomical study

Elena Bueno-Gracia, Albert Pérez-Bellmunt, Carlos López-de-Celis, Michael Shacklock, Ainhoa Salas López, Mathias Simon, Pedro Álvarez-Díaz, José Miguel Tricás-Moreno



PII: S0268-0033(18)30337-1
DOI: doi:[10.1016/j.clinbiomech.2018.09.001](https://doi.org/10.1016/j.clinbiomech.2018.09.001)
Reference: JCLB 4590
To appear in: *Clinical Biomechanics*
Received date: 16 April 2018
Accepted date: 1 September 2018

Please cite this article as: Elena Bueno-Gracia, Albert Pérez-Bellmunt, Carlos López-de-Celis, Michael Shacklock, Ainhoa Salas López, Mathias Simon, Pedro Álvarez-Díaz, José Miguel Tricás-Moreno , Dimensional changes of the carpal tunnel and median nerve during manual mobilization of the carpal bones — Anatomical study. *Jclb* (2018), doi:[10.1016/j.clinbiomech.2018.09.001](https://doi.org/10.1016/j.clinbiomech.2018.09.001)

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.

Title page**DIMENSIONAL CHANGES OF THE CARPAL TUNNEL AND MEDIAN NERVE DURING MANUAL MOBILIZATION OF THE CARPAL BONES – ANATOMICAL STUDY.****Authors:****Elena Bueno-Gracia, PT, PhD^a****Albert Pérez-Bellmunt, PT, PhD^b (equal contribution)****Carlos López-de-Celis, PT, PhD^b****Michael Shacklock, PT, MSc^c****Ainhoa Salas López, MD****Mathias Simon, PT^b****Pedro Álvarez-Díaz, MD, PhD^{b,d}****José Miguel Tricás-Moreno, PT, PhD^a**

^a Faculty of Health Sciences, University of Zaragoza, Zaragoza, Spain.

^b Faculty of Medicine and Health Sciences, International University of Catalonia, Barcelona, Spain.

^c Neurodynamic Solutions, Adelaide, Australia.

^d Department of Orthopaedic Surgery, Fundació García Cugat, Hospital Quirón Barcelona.

Ethics Committee approval of the study protocol – Universitat Intenacional de Catalunya - reference number CBAS-2018-03.

Download English Version:

<https://daneshyari.com/en/article/10081615>

Download Persian Version:

<https://daneshyari.com/article/10081615>

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