

Accepted Manuscript

Short communication

Comparison of marker models for the analysis of the volume variation and thoracoabdominal motion pattern in untrained and trained participants

Carlo Massaroni, Amanda Piaia Silvatti, Irisz Karolina Levai, John Dickinson, Samantha Winter, Emiliano Schena, Sergio Silvestri

PII: S0021-9290(18)30415-9

DOI: <https://doi.org/10.1016/j.jbiomech.2018.05.036>

Reference: BM 8730

To appear in: *Journal of Biomechanics*

Received Date: 5 February 2018

Revised Date: 19 May 2018

Accepted Date: 30 May 2018



Please cite this article as: C. Massaroni, A. Piaia Silvatti, I. Karolina Levai, J. Dickinson, S. Winter, E. Schena, S. Silvestri, Comparison of marker models for the analysis of the volume variation and thoracoabdominal motion pattern in untrained and trained participants, *Journal of Biomechanics* (2018), doi: <https://doi.org/10.1016/j.jbiomech.2018.05.036>

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.

Comparison of marker models for the analysis of the volume variation and thoracoabdominal motion pattern in untrained and trained participants

Carlo Massaroni,¹ Amanda Piaia Silvatti,² Irisz Karolina Levai,³ John Dickinson,³
Samantha Winter,³ Emiliano Schena,¹ and Sergio Silvestri¹

¹ Research Unit of Measurements and Biomedical Instrumentation, Campus Bio-Medico di Roma University, Rome, Italy

² Department of Physical Education, Universidade Federal de Viçosa, Minas Gerais, Brazil

³ School of Sport and Exercise Sciences, University of Kent, Chatham Maritime, United Kingdom

Funding: This work was supported by the 2015 International Travel Grant from the *International Society of Biomechanics* to Carlo Massaroni and Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES) and Fundação de Amparo à Pesquisa do Estado de Minas Gerais (FAPEMIG) to Amanda Piaia Silvatti. Research work was partially funded by Italian MIUR PRIN 2012 Project (Prot. 20127XJX57, P.I. Paolo Cappa).

Conflict of Interest Disclosure: *None*

Correspondence Address:

Carlo Massaroni
Research Unit of Measurements and Biomedical Instrumentation
Departmental Faculty of Engineering
Campus Bio-Medico di Roma University
Via Álvaro del Portillo, 21, 00128 Rome, Italy
Tel. +39-06-225419650
E-mail: c.massaroni@unicampus.it

Running Title: Marker models for thoracoabdominal motion pattern

Submitted as **SHORT COMMUNICATION**

Download English Version:

<https://daneshyari.com/en/article/7235833>

Download Persian Version:

<https://daneshyari.com/article/7235833>

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