

Accepted Manuscript

Multifidus muscle size in adolescents with and without back pain using ultrasonography

Nahid Rahmani, PT, PhD, Assistant Professor, Ali Kiani, PT, MSc, Physiotherapist, Mohammad Ali Mohseni-Bandpei, PT, PhD, Professor, Visiting Professor, Iraj Abdollahi, PT, PhD, Associate Professor

PII: S1360-8592(17)30116-X

DOI: [10.1016/j.jbmt.2017.05.016](https://doi.org/10.1016/j.jbmt.2017.05.016)

Reference: YJBMT 1539

To appear in: *Journal of Bodywork & Movement Therapies*



Please cite this article as: Rahmani, N., Kiani, A., Mohseni-Bandpei, M.A., Abdollahi, I., Multifidus muscle size in adolescents with and without back pain using ultrasonography, *Journal of Bodywork & Movement Therapies* (2017), doi: 10.1016/j.jbmt.2017.05.016.

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.

Multifidus muscle size in adolescents with and without back pain using Ultrasonography

Authors:

Nahid Rahmani (PT, PhD)¹, Ali Kiani (PT, MSc)², Mohammad Ali Mohseni-Bandpei (PT, PhD)³, Iraj Abdollahi (PT, PhD)⁴

¹Assistant Professor, Pediatric Neurorehabilitation Research Center, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran. Nahrah2005@yahoo.com

²Physiotherapist, Department of Physiotherapy, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran. Parsakiani972@yahoo.com

³Professor, Iranian Research Center on Aging, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran, AND Visiting Professor, University Institute of Physical Therapy, Faculty of Allied Health Sciences, University of Lahore, Lahore, Pakistan. Mohseni_Bandpei@yahoo.com

⁴Associate Professor. Department of Physiotherapy, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran. irajabdollahi@hotmail.com

Corresponding Author:

Mohammad Ali Mohseni-Bandpei (PT, PhD): “Professor, Iranian Research Center on Aging, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran, AND Visiting Professor, University Institute of Physical Therapy, Faculty of Allied Health Sciences, University of Lahore, Lahore, Pakistan”.

PO Box: 1985713834, Tel: +98 21 22180137, Fax: +98 21 22180039

Download English Version:

<https://daneshyari.com/en/article/8559331>

Download Persian Version:

<https://daneshyari.com/article/8559331>

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