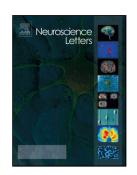
Accepted Manuscript

Title: Sway regularity and sway activity in older adults' upright stance are differentially affected by dual task

Authors: Margarita Drozdova-Statkevičienė, Vida Janina Česnaitienė, Kazimieras Pukėnas, Oron Levin, Nerijus Masiulis



\$0304-3940(17)31028-5
https://doi.org/10.1016/j.neulet.2017.12.054
NSL 33326
Neuroscience Letters
7-10-2017
22-11-2017
26-12-2017

Please cite this article as: Margarita Drozdova-Statkevičienė, Vida Janina Česnaitienė, Kazimieras Pukėnas, Oron Levin, Nerijus Masiulis, Sway regularity and sway activity in older adults' upright stance are differentially affected by dual task, Neuroscience Letters https://doi.org/10.1016/j.neulet.2017.12.054

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

Sway regularity and sway activity in older adults' upright stance are differentially affected by dual task

Margarita Drozdova-Statkevičienė^a, Vida Janina Česnaitienė^a, Kazimieras Pukėnas^a, Oron

Levin^b, Nerijus Masiulis^a

^a Institute of Sports Science and Innovations, Lithuanian Sports University, Kaunas, Lithuania

^b Movement Control and Neuroplasticity Research Group, Group Biomedical Sciences, KU

Leuven, Leuven, Belgium

Corresponding author:

Margarita Drozdova-Statkevičienė,

Institute of Sports Science and Innovation, Lithuanian Sports University, Kaunas, Lithuania

Sporto str. 6, LT-44221 Kaunas

Lithuania

Tel. +370 600 46029

Email. margarita.viktorija@gmail.com

Research highlights

- Dual-task effects on sway regularity and sway activity were examined in older adults.
- Sway entropy and sway activity were positively related under dual-task conditions.
- Increased sway activity in dual task was associated with increased sway irregularity.
- Postural stability is determined by ability to allocate attention to balance task.

Download English Version:

https://daneshyari.com/en/article/8841829

Download Persian Version:

https://daneshyari.com/article/8841829

Daneshyari.com