Accepted Manuscript

Title: Eye movement and postural sway in dyslexic children during sitting and standing

Authors: Milena Razuk, José Angelo Barela, Hugo Peyre, Christophe Loic Gerard, Maria Pia Bucci

PII: S0304-3940(18)30587-1

DOI: https://doi.org/10.1016/j.neulet.2018.08.042

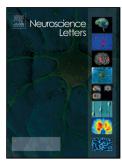
Reference: NSL 33777

To appear in: Neuroscience Letters

Received date: 30-10-2017 Revised date: 21-8-2018 Accepted date: 28-8-2018

Please cite this article as: Razuk M, Barela JA, Peyre H, Gerard CL, Bucci MP, Eye movement and postural sway in dyslexic children during sitting and standing, *Neuroscience Letters* (2018), https://doi.org/10.1016/j.neulet.2018.08.042

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

1

Eye movement and postural sway in dyslexic children during sitting and standing

Milena Razuk^{a,b}, José Angelo Barela^{b,c}, Hugo Peyre^d, Christophe Loic Gerard^d, Maria Pia Bucci¹

^a UMR 1141 Inserm - Université Paris Diderot. Hôpital Robert Debré, 48 Boulevard Sérurier, 75019

Paris, France.

^b Institute of Physical Activity and Sport Sciences, Cruzeiro do Sul University, Sao Paulo, SP, Brazil.

^c Institute of Biosciences, São Paulo State University, Rio Claro, SP, Brazil.

^d Child and Adolescent Psychiatry Department, Robert Debré Hospital, Paris, France.

Correspondence to:

Milena Razuk,

Institute of Physical Activity and Sport Sciences, Cruzeiro do Sul University

Rua Galvao Bueno, nº 868

Liberdade- 01506-000,

Sao Paulo, SP - Brazil

Email: milena.razuk@gmail.com

Highlights

- Dyslexic children need longer eye fixation in reading a text impairing reading performance.
- Reading time and eye fixation are similar for both non- and dyslexic children in the Landolt task.
- Dyslexic children postural performance is worse for both visual tasks but more in the Landolt task.
- Postural performance in dyslexic children is not related to lexical and semantic requirements.

ABSTRACT

1

Download English Version:

https://daneshyari.com/en/article/8965845

Download Persian Version:

https://daneshyari.com/article/8965845

<u>Daneshyari.com</u>