## Accepted Manuscript

Cervical dystonia patients display subclinical gait changes

Marcello Esposito, Raffaele Dubbioso, Silvio Peluso, Antonio Picone, Bruno Corrado, Clemente Servodio Iammarone, Roberto Allocca, Fiore Manganelli, Lucio Santoro, Alfonso Fasano

PII: S1353-8020(17)30238-9

DOI: 10.1016/j.parkreldis.2017.07.005

Reference: PRD 3350

To appear in: Parkinsonism and Related Disorders

Received Date: 8 February 2017

Revised Date: 28 June 2017

Accepted Date: 9 July 2017

Please cite this article as: Esposito M, Dubbioso R, Peluso S, Picone A, Corrado B, Iammarone CS, Allocca R, Manganelli F, Santoro L, Fasano A, Cervical dystonia patients display subclinical gait changes, *Parkinsonism and Related Disorders* (2017), doi: 10.1016/j.parkreldis.2017.07.005.

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.



## Cervical dystonia patients display subclinical gait changes

Marcello Esposito<sup>1</sup>,MD, PhD; Raffaele Dubbioso<sup>1</sup>,MD; Silvio Peluso<sup>1</sup>, MD; Antonio Picone<sup>2</sup>,MD; Bruno Corrado<sup>2</sup>, MD; Clemente Servodio lammarone<sup>2</sup>, MD; Roberto Allocca, MD; Fiore Manganelli<sup>1</sup>, MD; Lucio Santoro<sup>1</sup>, MD; Alfonso Fasano<sup>3,4</sup>\*, MD, PhD.

<sup>1</sup>Department of Neurosciences, Reproductive Sciences and Odontostomatology, Federico II University of Naples, Italy;

<sup>2</sup>Orthopedic surgery Department, Rehabilitation Unit, Federico II University, Naples, Italy. <sup>3</sup>Morton and Gloria Shulman Movement Disorders Centre and the Edmond J. Safra Program in Parkinson's Disease, Toronto Western Hospital, UHN, Division of Neurology, University of Toronto, Toronto, Ontario, Canada

<sup>4</sup>Krembil Research Institute, Toronto, Ontario, Canada

Key words: gait, cervical dystonia, botulinum toxin Title Characters count: 53 Abstract Word Count: 150 Paper Word count: 1555 Tables: 1 Figures:1 References: 12 Supplemental material online: 1 Conflict of Interest: none Funding for the study: none

\*Corresponding author: Dr. Alfonso Fasano, MD, PhD Division of Neurology - University of Toronto Movement Disorders Centre - Toronto Western Hospital 399 Bathurst St, 7 Mc412 Toronto, ON Canada M5T 2S8 Phone: +1(416)603-5800 ext 5961 Fax +1 (416) 603-5004 e-mail: alfonso.fasano@gmail.com Download English Version:

## https://daneshyari.com/en/article/8285769

Download Persian Version:

https://daneshyari.com/article/8285769

Daneshyari.com