

Accepted Manuscript

Validity and reliability of outcome measures assessing dexterity, coordination, and upper limb strength in Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay

Cynthia Gagnon, OT, PhD, Isabelle Lessard, PT, MSc, Bernard Brais, MD, PhD, Isabelle Côté, MSc, Caroline Lavoie, PT, MSc, Matthis Synofzik, MD, Jean Mathieu, MD, MSc

PII: S0003-9993(18)30102-3

DOI: [10.1016/j.apmr.2018.01.026](https://doi.org/10.1016/j.apmr.2018.01.026)

Reference: YAPMR 57161

To appear in: *ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION*

Received Date: 11 October 2017

Revised Date: 17 January 2018

Accepted Date: 22 January 2018

Please cite this article as: Gagnon C, Lessard I, Brais B, Côté I, Lavoie C, Synofzik M, Mathieu J, Validity and reliability of outcome measures assessing dexterity, coordination, and upper limb strength in Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay, *ARCHIVES OF PHYSICAL MEDICINE AND REHABILITATION* (2018), doi: 10.1016/j.apmr.2018.01.026.

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.



Running head: Upper limb function assessment in ARSACS

Validity and reliability of outcome measures assessing dexterity, coordination, and upper limb strength in Autosomal Recessive Spastic Ataxia of Charlevoix-Saguenay

Cynthia Gagnon, OT, PhD,^{a,b} Isabelle Lessard, PT, MSc,^{a,b} Bernard Brais, MD, PhD,^c Isabelle Côté, MSc,^b Caroline Lavoie, PT, MSc,^b Matthis Synofzik, MD,^{d,e} Jean Mathieu, MD, MSc^b

a Centre de recherche – Hôpital Charles-Le-Moyne, Faculté de médecine et des sciences de la santé, Université de Sherbrooke, Québec, Canada

b Groupe de recherche interdisciplinaire sur les maladies neuromusculaires (GRIMN), Centre intégré universitaire de santé et de services sociaux du Saguenay-Lac-St-Jean, Québec, Canada

c Montreal Neurological Institute, McGill University, Quebec, Canada

d Department of Neurodegeneration, Hertie Institute for Clinical Brain Research (HIH), University of Tübingen, Tübingen, Germany

e German Center for Neurodegenerative Diseases (DZNE), Tübingen, Germany

Corresponding author:

Cynthia Gagnon

GRIMN, CIUSSS du Saguenay-Lac-St-Jean, site Jonquière

2230 de l'Hôpital, C.P. 1200

Jonquière (Québec) Canada, G7X 7X2

Phone +1 418 695 7777

Fax 1 418 695 7758

cynthia.gagnon4@usherbrooke.ca

Download English Version:

<https://daneshyari.com/en/article/8958074>

Download Persian Version:

<https://daneshyari.com/article/8958074>

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