

Decision Letter (JAPA.2016-0362.R2)

From: phil.chilibeck@usask.ca

To: irene.lopez-fontana@u-psud.fr

CC:

Subject: Journal of Aging and Physical Activity - Decision on Manuscript ID JAPA.2016-0362.R2

Body: 21-Aug-2017

Dear Dr. Lopez Fontana:

It is a pleasure to accept your manuscript entitled "Protective role of recent and past long-term physical activity on age-related cognitive decline: The moderating effect of sex" in its current form for publication in the Journal of Aging and Physical Activity.

The In Press and MedLine listings should be available approximately 6 weeks from now.

Thank you for your fine contribution. On behalf of the Editors of the Journal of Aging and Physical Activity, we look forward to your continued contributions to the Journal.

Sincerely,
Dr. Phil Chilibeck
Editor in Chief, Journal of Aging and Physical Activity
phil.chilibeck@usask.ca

Date Sent: 21-Aug-2017

[J Aging Phys Act.](#) 2017 Sep 27:1-35. doi: 10.1123/japa.2016-0362. [Epub ahead of print]

Protective Role of Recent and Past Long-Term Physical Activity on Age-Related Cognitive Decline: The Moderating Effect of Sex.

[Lopez-Fontana I](#)^{1,2}, [Castanier C](#)^{1,2}, [Le Scanff C](#)^{1,2}, [Perrot A](#)^{1,2}.

Author information

Abstract

This study aimed to investigate if the impact of both recent and long-term physical activity on age-related cognitive decline would be modified by sex. One hundred thirty-five men (N = 67) and women (N = 68) aged 18 to 80 years completed the Modifiable Activity Questionnaire and the Historical Leisure Activity Questionnaire. A composite score of cognitive functions was computed from five experimental tasks. Hierarchical regression analyses performed to test the moderating effect of recent physical activity on age-cognition relationship had not revealed significant result regardless of sex. Conversely, past long-term physical activity was found to slow down the age-related cognitive decline among women ($\beta = .22$, $p = .03$), but not men. The findings support a lifecourse approach in identifying determinants of cognitive aging and the importance of taking into account the moderating role of sex. This article presented potential explanations for these moderators and future avenues to explore.

KEYWORDS: HLAQ; MAQ; aging; cognitive decline; exercise

PMID: 28952854 DOI: [10.1123/japa.2016-0362](#)