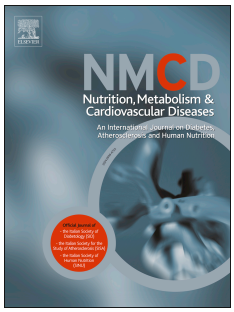
Accepted Manuscript



Adiposity as a Full Mediator of the Influence of Cardiorespiratory Fitness and Inflammation in Schoolchildren: The FUPRECOL Study

A. Garcia-Hermoso, C. Agostinis-Sobrinho, J. Mota, R. Santos, J.E. Correa-Bautista, R. Ramírez-Vélez

PII: S0939-4753(17)30087-X

DOI: 10.1016/j.numecd.2017.04.005

Reference: NUMECD 1716

To appear in: *Nutrition, Metabolism and Cardiovascular Diseases*

Received Date: 16 January 2017

Revised Date: 14 April 2017

Accepted Date: 18 April 2017

Please cite this article as: Garcia-Hermoso A, Agostinis-Sobrinho C, Mota J, Santos R, Correa-Bautista JE, Ramírez-Vélez R, Adiposity as a Full Mediator of the Influence of Cardiorespiratory Fitness and Inflammation in Schoolchildren: The FUPRECOL Study, *Nutrition, Metabolism and Cardiovascular Diseases* (2017), doi: 10.1016/j.numecd.2017.04.005.

Adiposity as a Full Mediator of the Influence of Cardiorespiratory Fitness and Inflammation in Schoolchildren: The FUPRECOL Study

Garcia-Hermoso, A[a*]; Agostinis-Sobrinho, C[b]; Mota, J[b]; Santos, R[b,c]; Correa-Bautista, J.E.[d], Ramírez-Vélez, R[d]

[a] Laboratorio de Ciencias de la Actividad Física, el Deporte y la Salud, Facultad de Ciencias Médicas, Universidad de Santiago de Chile, USACH, Santiago, Chile.
[b] Research Centre in Physical Activity, Health and Leisure, Faculty of Sport, University of Porto, Portugal.
[c] Early Start Research Institute, Faculty of Social Sciences, School of Education. University of Wollongong, Australia
[d] Centro de Estudios en Medición de la Actividad Física (CEMA), Escuela de Medicina y Ciencias de la Salud, Universidad del Rosario, Bogotá, D.C, Colombia

***Reprint requests:** Dr. Antonio García-Hermoso. Laboratorio de Ciencias de la Actividad Física, el Deporte y la Salud, Facultad de Ciencias Médicas, Universidad de Santiago de Chile, USACH, Chile. Avenida Libertador Bernardo. O'Higgins nº 3363. Estación Central. Santiago. Chile; Telephone: (+562) 2 718 00 00. Email: antonio.garcia.h@usach.cl

Statement of honorarium, grant, or other form of payment: The FUPRECOL Study was carried out with the financial support of Instituto Colombiano para el Desarrollo de la Ciencia y la Tecnología "Francisco José de Caldas" COLCIENCIAS (Contract Nº 671-2014 Code 122265743978). This article presents independent research commissioned by COLCIENCIAS under its Programme Grants for Applied Research funding scheme (Convocatoria 671-2014). The content of this paper reflects the author's views alone, and the Colombian Community or the COLCIENCIAS is not liable for any use that may be made of the information contained herein. The author César Aparecido Agostinis Sobrinho was given Doctoral scholarship from Brazilian government by CAPES (Coordination of Improvement of Higher Education Personnel) (Proc: 9588-13-2). The author Rute Santos has a Discovery Early Career Research Award from the Australian Research Council (DE150101921).

Manuscript keywords: Youth population; High-Sensitivity C-Reactive Protein; aerobic fitness, Colombia.

Competing interests: The authors declare that they have no competing interests.