

CORRECTION

Open Access



# Correction: Association of tramadol with all-cause mortality, cardiovascular diseases, venous thromboembolism, and hip fractures among patients with osteoarthritis: a population-based study

Lingyi Li<sup>1,2†</sup>, Shelby Marozoff<sup>1†</sup>, Na Lu<sup>1</sup>, Hui Xie<sup>1,3</sup>, Jacek A. Kopec<sup>1,4</sup>, Jolanda Cibere<sup>1,5</sup>, John M. Esdaile<sup>1,5</sup> and J. Antonio Avina-Zubieta<sup>1,5\*</sup>

**Correction: *Arthritis Res Ther* 24, 85 (2022)**  
<https://doi.org/10.1186/s13075-022-02764-3>

Upon publication of the original article [1], it was noticed that final sentence in the Abstract's Results section was incorrect. The correct sentence is: "No differences were observed between tramadol and codeine for all events."

#### Author details

<sup>1</sup>Arthritis Research Canada, 230-2238 Yukon Street, Vancouver, BC V5Y 3P2, Canada. <sup>2</sup>Experimental Medicine Program, Faculty of Medicine, University of British Columbia, Vancouver, Canada. <sup>3</sup>Faculty of Health Sciences, Simon Fraser University, Burnaby, Canada. <sup>4</sup>School of Population and Public Health, University of British Columbia, Vancouver, Canada. <sup>5</sup>Division of Rheumatology, Department of Medicine, University of British Columbia, Vancouver, Canada.

Published online: 18 May 2022

The original article can be found online at <https://doi.org/10.1186/s13075-022-02764-3>.

<sup>†</sup>Lingyi Li and Shelby Marozoff contributed equally to this work.

\*Correspondence: [azubieta@arthritisresearch.ca](mailto:azubieta@arthritisresearch.ca)

<sup>5</sup>Division of Rheumatology, Department of Medicine, University of British Columbia, Vancouver, Canada

Full list of author information is available at the end of the article

#### Reference

1. Li L, Marozoff S, Lu N, et al. Association of tramadol with all-cause mortality, cardiovascular diseases, venous thromboembolism, and hip fractures among patients with osteoarthritis: a population-based study. *Arthritis Res Ther.* 2022;24:85. <https://doi.org/10.1186/s13075-022-02764-3>.



© The Author(s) 2022. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.