# **RETRACTION NOTE**

**Open Access** 



# Retraction Note: Mitochondrial aldehyde dehydrogenase (ALDH2) protects against streptozotocin-induced diabetic cardiomyopathy: role of GSK3β and mitochondrial function

Yingmei Zhang<sup>1,2</sup>, Sara A. Babcock<sup>2</sup>, Nan Hu<sup>2</sup>, Jacalyn R. Maris<sup>2</sup>, Haichang Wang<sup>1</sup> and Jun Ren<sup>1,2\*</sup>

# Retraction Note: BMC Med 10, 40 (2012) https://doi.org/10.1186/1741-7015-10-40

The Chief Editor has retracted this article following an institutional investigation by the University of Wyoming due to concerns regarding data irregularities inconsistent with published conclusions.

Specifically, the investigation found evidence of data irregularities and image reuse in Fig. 7K with previously published articles: Fig. 5 in [1], Fig. 9 in [2], Fig. 6 in [3] and Fig. 3 in [4].

Author Sara Babcock agrees to this retraction. Authors Jun Ren and Yingmei Zhang do not agree to this retraction. Author Haichang Wang has not responded to any correspondence from the editor or publisher about this retraction. The editor was not able to obtain a current email address for Authors Nan Hu and Jacalyn Maris.

The original article can be found online at https://doi.org/10.1186/1741-7015-10-40

### Author details

<sup>1</sup>Department of Cardiology, Xijing Hospital, Fourth Military Medical University, Xi'an 710032, China. <sup>2</sup>Center for Cardiovascular Research and Alternative Medicine, University of Wyoming College of Health Sciences, Laramie, WY 82071, USA.

Published online: 08 July 2022

## References

- Ma H, et al. Advanced glycation endproduct (AGE) accumulation and AGE receptor (RAGE) up-regulation contribute to the onset of diabetic cardiomyopathy. J Cell Mol Med. 2009;13(8b):1751–64. https://doi.org/10. 1111/j.1582-4934.2008.00547.x.
- Zhang Y, et al. Activation of Akt rescues endoplasmic reticulum stressimpaired murine cardiac contractile function via glycogen synthase kinase-3β-mediated suppression of mitochondrial permeation pore opening. Antioxid Redox Signal. 2011;15(9):2407–24. https://doi.org/10. 1089/ars.2010.3751.
- Zhang Y, Ren J. Thapsigargin triggers cardiac contractile dysfunction via NADPH oxidase-mediated mitochondrial dysfunction: Role of Akt dephosphorylation. Free Radic Biol Med. 2011;V51:I12,2172–84. https:// doi.org/10.1016/j.freeradbiomed.2011.09.005.
- Li L, Hua Y, Ren J. Short-Chain Fatty Acid Propionate Alleviates Akt2 Knockout-Induced Myocardial Contractile Dysfunction. J Diabetes Res. 2012;Article ID 851717:10. https://doi.org/10.1155/2012/851717.

# **Publisher's Note**

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.



© 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 you intended use is not permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativeccommons.org/licenses/by/4.0/. The Creative Commons Public Domain Dedication waiver (http://creativeccommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

<sup>\*</sup>Correspondence: jren@uwyo.edu

<sup>&</sup>lt;sup>1</sup> Department of Cardiology, Xijing Hospital, Fourth Military Medical University, Xi'an 710032, China

<sup>&</sup>lt;sup>2</sup> Center for Cardiovascular Research and Alternative Medicine, University of Wyoming College of Health Sciences, Laramie, WY 82071, USA.