CORRECTION Open Access

Correction to: Cerebellar transcranial direct current stimulation in spinocerebellar ataxia type 3 (SCA3-tDCS): rationale and protocol of a randomized, double-blind, shamcontrolled study



Roderick P. P. W. M. Maas^{1*}, Ivan Toni², Jonne Doorduin¹, Thomas Klockgether^{3,4}, Dennis J. L. G. Schutter² and Bart P. C. van de Warrenburg¹

Correction to: BMC Neurol 19, 149 (2019) https://doi.org/10.1186/s12883-019-1379-2

Following publication of the original article [1], the authors noticed an error in the power calculation. The reported power of 0.83 was based on an effect size of 0.46 rather than a partial η^2 value of 0.46. Using a partial η^2 value of 0.46, which corresponds to an effect size f of 0.92, and five repeated measurements in 20 participants would yield a power of 0.999. The original sentence "Based on the data presented in the aforementioned study, a calculation (G*Power 3) revealed a power of 83% to detect significant differences when using SARA as the primary outcome measure (effect size 0.46, α = 0.05, sample size 20)" is therefore replaced as follows: "Based on the reported partial η^2 value of 0.46 in the aforementioned study, which corresponds to an effect size f of 0.92, a sample size of 20 participants who each have five measurements would yield an estimated power of 0.999 (G*Power 3.1) to detect significant differences when using SARA as the primary outcome measure $(\alpha = 0.05)$."

The original article has been corrected.

The original article can be found online at https://doi.org/10.1186/s12883-019-1379-2.

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



Author details

¹Department of Neurology, Donders Institute for Brain, Cognition, and Behaviour, Radboud University Medical Center, Reinier Postlaan 4, 6525, GC, Nijmegen, The Netherlands. ²Donders Institute for Brain, Cognition, and Behaviour, Radboud University, Nijmegen, The Netherlands. ³Department of Neurology, University of Bonn, Bonn, Germany. ⁴German Center for Neurodegenerative Diseases (DZNE), Bonn, Germany.

Published online: 29 June 2021

Reference

 Maas RPPWM, Toni I, Doorduin J, et al. Cerebellar transcranial direct current stimulation in spinocerebellar ataxia type 3 (SCA3-tDCS): rationale and protocol of a randomized, double-blind, sham-controlled study. BMC Neurol. 2019;19:149 https://doi.org/10.1186/s12883-019-1379-2.

© The Author(s). 2021 **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.

^{*} Correspondence: roderick.maas@radboudumc.nl

¹Department of Neurology, Donders Institute for Brain, Cognition, and Behaviour, Radboud University Medical Center, Reinier Postlaan 4, 6525, GC, Nijmegen, The Netherlands