



Corrigendum: Analgesic Effects of Compression at Trigger Points Are Associated With Reduction of Frontal Polar Cortical Activity as Well as Functional Connectivity Between the Frontal Polar Area and Insula in Patients With Chronic Low Back Pain: A Randomized Trial

OPEN ACCESS

Edited by:

James W. Grau, Texas A&M University, United States

Reviewed by:

César Fernández-de-las-Peñas, Rey Juan Carlos University, Spain Noureddin Nakhostin Ansari, Tehran University of Medical Sciences, Iran

*Correspondence:

Hisao Nishijo nishijo@med.u-toyama.ac.jp

Received: 03 December 2019 Accepted: 16 December 2019 Published: 23 January 2020

Citation:

Kodama K, Takamoto K, Nishimaru H, Matsumoto J, Takamura Y, Sakai S, Ono T and Nishijo H (2020) Corrigendum: Analgesic Effects of Compression at Trigger Points Are Associated With Reduction of Frontal Polar Cortical Activity as Well as Functional Connectivity Between the Frontal Polar Area and Insula in Patients With Chronic Low Back Pain: A Randomized Trial. Front. Syst. Neurosci. 13:81. doi: 10.3389/fnsys.2019.00081 Kanae Kodama¹, Kouichi Takamoto^{1,2}, Hiroshi Nishimaru¹, Jumpei Matsumoto¹, Yusaku Takamura¹, Shigekazu Sakai¹, Taketoshi Ono¹ and Hisao Nishijo^{1*}

¹ Department of System Emotional Science, Faculty of Medicine, University of Toyama, Toyama, Japan, ² Department of Sports and Health Sciences, Faculty of Human Sciences, University of East Asia, Shimonoseki, Japan

Keywords: chronic low back pain, myofascial trigger point, prefrontal cortex, hemodynamic activity, oscillation, functional connectivity

A Corrigendum on

Analgesic Effects of Compression at Trigger Points Are Associated With Reduction of Frontal Polar Cortical Activity as Well as Functional Connectivity Between the Frontal Polar Area and Insula in Patients With Chronic Low Back Pain: A Randomized Trial

by Kodama, K., Takamoto, K., Nishimaru, H., Matsumoto, J., Takamura, Y., Sakai, S., et al. (2019). Front. Syst. Neurosci. 13:68. doi: 10.3389/fnsys.2019.00068

In the original article, there was an error. It was erroneously stated that the hemodynamic activity during compression at a non-MTrP decreased instead of increased and increased instead of decreased during compression at an MTrP.

A correction has been made to **Results, Hemodynamic Responses, paragraph one**:

"Compression significantly affected cerebral hemodynamic activity. Figure 4 shows typical examples of hemodynamic responses during compression for 30 s at MTrPs and non-MTrPs, shown as effect sizes of Oxy-Hb concentration. The topographical maps of effect sizes indicated that hemodynamic activity increased in the pPFC during compression at a non-MTrP (left panel in A), while hemodynamic activity decreased in the pPFC during compression at an MTrP (left panel in B). Temporal patterns of Oxy-Hb signals showed similar changes; oxy-Hb signals gradually

increased in the pPFC during compression at non-MTrPs (right panel in A), while Oxy-Hb concentration gradually decreased in the pPFC during MTrP compression (right panel in B)."

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated. Copyright © 2020 Kodama, Takamoto, Nishimaru, Matsumoto, Takamura, Sakai, Ono and Nishijo. This is an open-access article distributed under the terms of the Creative Commons Attribution License (CC BY). The use, distribution or reproduction in other forums is permitted, provided the original author(s) and the copyright owner(s) are credited and that the original publication in this journal is cited, in accordance with accepted academic practice. No use, distribution or reproduction is permitted which does not comply with these terms.