



Corrigendum: RAFF-4, Magnetization Transfer and Diffusion Tensor MRI of Lysophosphatidylcholine Induced Demyelination and Remyelination in Rats

Klara Holikova¹, Hanne Laakso², Raimo Salo², Artem Shatillo³, Antti Nurmi³, Martin Bares^{4,5}, Jiri Vanicek¹, Shalom Michaeli⁶, Silvia Mangia⁶, Alejandra Sierra² and Olli Gröhn^{2*}

OPEN ACCESS

Edited and reviewed by:

Yu-Chien Wu, Indiana University Bloomington, United States

*Correspondence:

Olli Gröhn olli.grohn@uef.fi

Specialty section:

This article was submitted to Brain Imaging Methods, a section of the journal Frontiers in Neuroscience

Received: 11 June 2021 **Accepted:** 21 June 2021 **Published:** 09 July 2021

Citation:

Holikova K, Laakso H, Salo R, Shatillo A, Nurmi A, Bares M, Vanicek J, Michaeli S, Mangia S, Sierra A and Gröhn O (2021) Corrigendum: RAFF-4, Magnetization Transfer and Diffusion Tensor MRI of Lysophosphatidylcholine Induced Demyelination and Remyelination in Rats. Front. Neurosci. 15:723831. doi: 10.3389/fnins.2021.723831 ¹ Department of Medical Imaging, St. Anne's University Hospital Brno and Faculty of Medicine, Masaryk University, Brno, Czechia, ² A.I. Virtanen Institute for Molecular Sciences, University of Eastern Finland, Kuopio, Finland, ³ Charles River Laboratories, Kuopio, Finland, ⁴ First Department of Neurology, St. Anne's University Hospital Brno and Faculty of Medicine, Masaryk University, Brno, Czechia, ⁵ Department of Neurology, School of Medicine, University of Minnesota, Minneapolis, MN, United States, ⁶ Center for Magnetic Resonance Research, University of Minnesota, Minneapolis, MN, United States

Keywords: myelin, demyelination, remyelination, MRI, diffusion, rotating frame relaxation

A Corrigendum on

RAFF-4, Magnetization Transfer and Diffusion Tensor MRI of Lysophosphatidylcholine Induced Demyelination and Remyelination in Rats

by Holikova, K., Laakso, H., Salo, R., Shatillo, A., Nurmi, A., Bares, M., et al. (2021). Front. Neurosci. 15:625167. *doi: 10.3389/fnins.2021.625167*

In the original article, there was a mistake in **Figures 2** and **4** as published. In both figures, radial diffusivity (RD) maps were accidently changed to incorrect ones in the final phase of Figure production. The corrected **Figures 2** and **4** below. All quantitative analysis and data interpretation was performed using correct RD maps.

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 © 2021 Holikova, Laakso, Salo, Shatillo, Nurmi, Bares, Vanicek, Michaeli, Mangia, Sierra and Gröhn. 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.

1

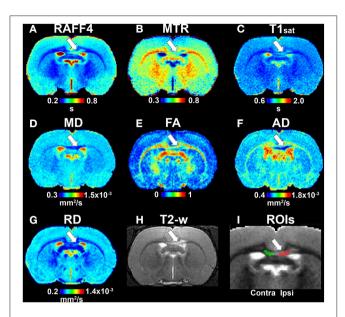


FIGURE 2 | Quantitative MRI maps in the demyelination phase, on day 3: RAFF4 (A), magnetization transfer ratio, MTR (B), T1sat (C), mean diffusivity, MD (D), fractional anisotropy, FA (E), axial diffusivity, AD (F), radial diffusivity, RD (G), T2w image with lesion (H) and representative example of ROIs for analyzing the lesion on a grayscale RAFF4 map (I). White arrow points to the lesion in the corpus callosum.

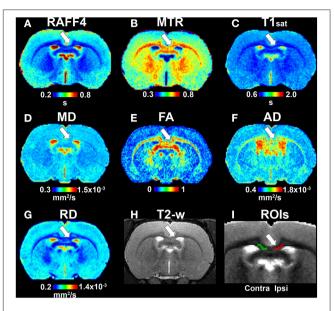


FIGURE 4 | Quantitative MRI maps in the remyelination phase, on day 38.
Relaxation time constant map of RAFF4 (A), magnetization transfer ratio, MTR
(B), T1sat (C), mean diffusivity, MD (D), fractional anisotropy, FA (E), axial diffusivity, AD (F), radial diffusivity, RD (G), T2w image with the lesion (H) and a representative example of ROIs for analyzing lesion on a grayscale RAFF4 map
(I). White arrow points to the lesion in the corpus callosum.