



# Corrigendum: Quantitative Modulation of PpIX Fluorescence and Improved Glioma Visualization

Michael Reinert<sup>1,2,3,4\*</sup>, Deborah Piffaretti<sup>1,5</sup>, Marco Wilzbach<sup>6</sup>, Christian Hauger<sup>6</sup>, Roland Guckler<sup>6</sup>, Francesco Marchi<sup>1,2</sup> and Maria Luisa D'Angelo<sup>1</sup>

<sup>1</sup> Laboratory for Biomedical Neurosciences, Neurocenter of Southern Switzerland, Ente Ospedaliero Cantonale, Torricella-Taverne, Switzerland, <sup>2</sup> Department of Neurosurgery, Neurocenter of Southern Switzerland, Ente Ospedaliero Cantonale, Lugano, Switzerland, <sup>3</sup> Faculty of Biomedical Neurosciences, Università Della Svizzera Italiana, Lugano, Switzerland, <sup>4</sup> Medical Faculty, University of Bern, Bern, Switzerland, <sup>5</sup> Faculty of Medicine, Graduate School for Cellular and Biomedical Sciences, University of Bern, Bern, Switzerland, <sup>6</sup> Carl Zeiss Meditec AG, Oberkochen, Germany

## OPEN ACCESS

### Edited and reviewed by:

Mark Preul,  
Barrow Neurological Institute (BNI),  
United States

### \*Correspondence:

Michael Reinert  
michael.reinert@eoc.ch

### Specialty section:

This article was submitted to  
Neurosurgery,  
a section of the journal  
Frontiers in Surgery

**Received:** 12 February 2020

**Accepted:** 10 March 2020

**Published:** 02 April 2020

### Citation:

Reinert M, Piffaretti D, Wilzbach M, Hauger C, Guckler R, Marchi F and D'Angelo ML (2020) Corrigendum: Quantitative Modulation of PpIX Fluorescence and Improved Glioma Visualization. *Front. Surg.* 7:14. doi: 10.3389/fsurg.2020.00014

**Keywords:** GBM—glioblastoma multiforme, 5-ALA=5-aminolevulinic acid, protoporphyrin IX, quantification, breakdown, visualization, microscope

## A Corrigendum on

### Quantitative Modulation of PpIX Fluorescence and Improved Glioma Visualization

by Reinert, M., Piffaretti, D., Wilzbach, M., Hauger, C., Guckler, R., Marchi, F., et al. (2019). *Front. Surg.* 6:41. doi: 10.3389/fsurg.2019.00041

In the published article there is an error in **Figure 4**. In the images the third and fifth column of the first row are the same. The image in the third column of the first row (Genistein 25  $\mu$ M) has been corrected. The image in the fifth column of the first row (DFO 100  $\mu$ M + Genistein 25  $\mu$ M) remains as it is.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

Copyright © 2020 Reinert, Piffaretti, Wilzbach, Hauger, Guckler, Marchi and D'Angelo. 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.

