



OPEN

# Author Correction:

## Exploring the advantages of intensity-modulated proton therapy: experimental validation of biological effects using two different beam intensity-modulation patterns

Duo Ma, Lawrence Bronk, Matthew Kerr, Mary Sobieski, Mei Chen, Changran Geng, Joycelyn Yiu, Xiaochun Wang, Narayan Sahoo, Wenhua Cao, Xiaodong Zhang, Clifford Stephan, Radhe Mohan, David R. Grosshans & Fada Guan

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-020-60246-5>, published online 21 February 2020

The Acknowledgements section in this Article is incomplete.

“We thank Dr. Ronald Zhu and Dr. Falk Poenisch for their support and guidance in the proton dosimetry. We thank Dr. Sang Hyun Cho for the support in the dosimetry of the Cs-137 irradiator. We thank Dr. David Volk and Mr. Paul Wisdom for fabricating the high-throughput irradiation device and its supporting and protection system. We thank Dr. Aimee McNamara for sharing her knowledge in RBE modelling. We thank Ms. Christine Wogan for the editorial assistance. This work was supported by the National Cancer Institute [Grant No. U19 CA021239] and by the Radiation Oncology Strategic Initiative Boot Walk Award from The University of Texas MD Anderson Cancer Center.”

should read:

“We thank Dr. Ronald Zhu and Dr. Falk Poenisch for their support and guidance in the proton dosimetry. We thank Dr. Sang Hyun Cho for the support in the dosimetry of the Cs-137 irradiator. We thank Dr. David Volk and Mr. Paul Wisdom for fabricating the high-throughput irradiation device and its supporting and protection system. We thank Dr. Aimee McNamara for sharing her knowledge in RBE modelling. We thank Ms. Christine Wogan for the editorial assistance. This work was supported by the National Cancer Institute [Grant No. U19 CA021239], the Cancer Prevention and Research Institute of Texas (CPRIT) [RP150578], and by the Radiation Oncology Strategic Initiatives Boot Walk Award from The University of Texas MD Anderson Cancer Center. JY was supported by the CPRIT Research Training Program [RP170067].”

Published online: 30 October 2020



**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 Author(s) 2020