



Corrigendum: Artificial Intelligence for Monte Carlo Simulation in Medical **Physics**

David Sarrut^{1*}, Ane Etxebeste¹, Enrique Muñoz², Nils Krah^{1,2} and Jean Michel Létang¹

¹University of Lyon, INSA-Lyon, Université Claude Bernard Lyon 1, UJM-Saint Etienne, CNRS, Inserm, CREATIS UMR 5220, U1294, Lyon, France, ²University of Lyon, Université Claude Bernard Lyon 1, CNRS/IN2P3, IP2I Lyon, Villeurbanne, France

OPEN ACCESS

Keywords: Al, Monte Carlo simulation, medical physics, GaN, deep learning

Edited and reviewed by:

Susanna Guatelli. University of Wollongong, Australia

*Correspondence:

David Sarrut david.sarrut@creatis.insa-lyon.fr

Specialty section:

This article was submitted to Radiation Detectors and Imaging, a section of the journal Frontiers in Physics

Received: 03 November 2021 Accepted: 15 November 2021 Published: 02 December 2021

Sarrut D, Etxebeste A, Muñoz E, Krah N and Létang JM (2021) Corrigendum: Artificial Intelligence for Monte Carlo Simulation in Medical Physics. Front. Phys. 9:808444. doi: 10.3389/fphy.2021.808444

A Corrigendum on

Artificial Intelligence for Monte Carlo Simulation in Medical Physics

by Sarrut, D., Etxebeste, A., Muñoz, E., Krah, N., and Létang, J. M. (2021). Front. Phys. 9:738112. doi: 10.3389/fphy.2021.738112

In the original article, there was an error in Literature Review, AI-Based Dose Computation, paragraph three. The sentence "For example, Roser et al. [117] use CNN, in particular a U-Net, to compute first-order dose exposure of patients (i.e., without considering scattered radiation) due to image-guided x-ray procedures." should have read "For example, Roser et al. [117] use a U-Net fed with first order fluence maps computed by fast ray-casting in order to estimate the total dose exposure including scattered radiation during image-guided x-ray procedures."

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.

Publisher's Note: All claims expressed in this article are solely those of the authors and do not necessarily represent those of their affiliated organizations, or those of the publisher, the editors and the reviewers. Any product that may be evaluated in this article, or claim that may be made by its manufacturer, is not guaranteed or endorsed by the publisher.

Copyright © 2021 Sarrut, Etxebeste, Muñoz, Krah and Létang. 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.