

OPEN

Author Correction: Liposomal formulation of Galbanic acid improved therapeutic efficacy of pegylated liposomal Doxorubicin in mouse colon carcinoma

Maryam Ebrahimi Nik, Bizhan Malaekheh-Nikouei, Mohamadreza Amin, Mahdi Hatamipour, Manouchehr Teymouri, Hamid Reza Sadeghnia, Mehrdad Iranshahi & Mahmoud Reza Jaafari 

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-019-45974-7>, published online 02 July 2019

This Article contains errors. The colours in Figure 6B are inverted; the correct Figure 6 appears below as Figure 1.

Published online: 27 February 2020

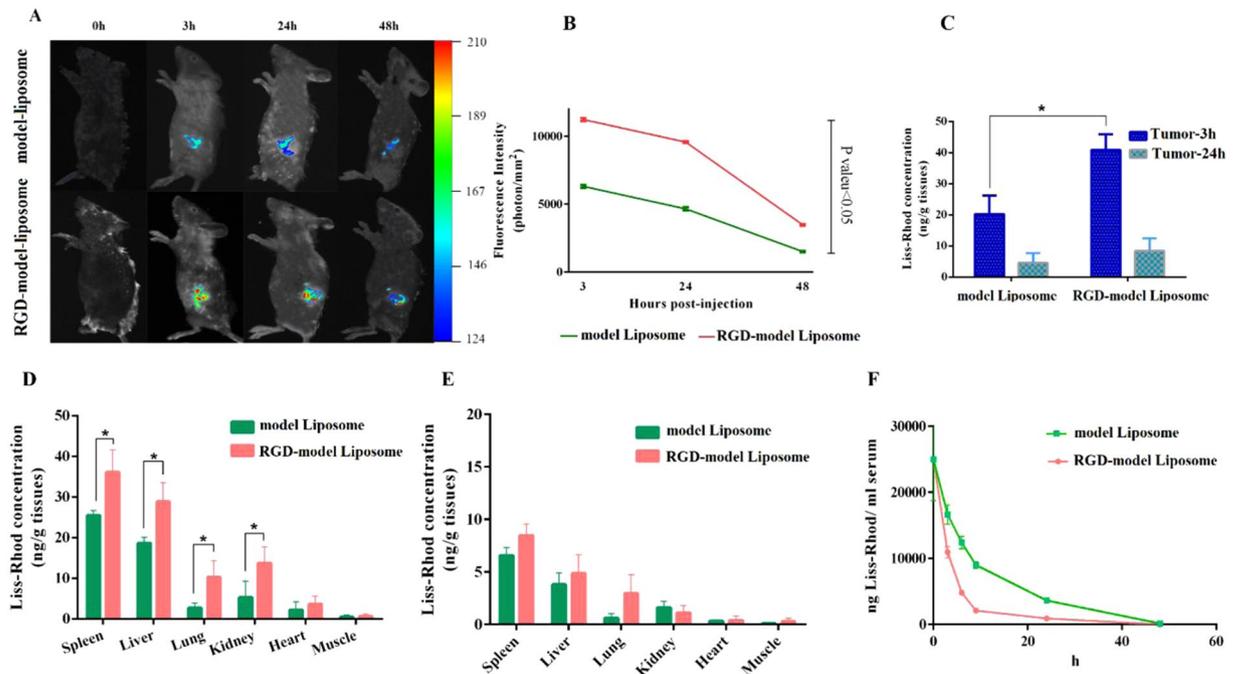


Figure 1.

In addition, the total phospholipid content is not provided. The text in the Results and Discussion subsection ‘Physicochemical stability characterization of the liposomes’,

“The liposomes, i.e., empty liposome, PLGba, and RGD-targeted PLGba, had a mean particle size of about 100 nm with narrow particle size distribution (polydispersity index or PDI of <0.150), suitable for the objective of the current study, which is the exclusive particle accumulation in tumor environment based on the EPR effect. The small particle size, morphology, and to some degree the narrow particle size distribution were confirmed as depicted by the TEM graph of PLGba.”

should read:

“The liposomes, i.e., empty liposome, PLGba, and RGD-targeted PLGba, had a mean particle size of about 100 nm with narrow particle size distribution (polydispersity index or PDI of <0.150), suitable for the objective of the current study, which is the exclusive particle accumulation in tumor environment based on the EPR effect. Moreover, the total phospholipid concentration of the liposomes was 56.6 ± 1.8 mM which agreed with the expected phospholipid concentration (60 mM). The small particle size, morphology, and to some degree the narrow particle size distribution were confirmed as depicted by the TEM graph of PLGba.”

Finally, information on extruder type and extruding times is incomplete. The text in the Materials and Methods subsection ‘Liposome Preparation’,

“Subsequently, the mixture was passed through polycarbonate membranes of 0.4, 0.2, 0.1, and 0.05 μm pore size (Avestin, Canada).”

should read:

“Subsequently, the mixture was extruded (Mini Extruder, Lippex extruder, USA/Canada) by passing 11 times through polycarbonate membranes of 0.4, 0.2, 0.1, and 0.05 μm pore size (Avestin, Canada).”



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 license, and indicate if changes were made. The images or other third party material in this article are included in the article’s Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article’s Creative Commons license 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 license, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2020