## Check for updates

#### **OPEN ACCESS**

APPROVED BY Frontiers Editorial Office, Frontiers Media SA, Switzerland

\*CORRESPONDENCE Jingxin Mo, ⋈ jingxin.mo@hotmail.com

RECEIVED 29 February 2024 ACCEPTED 14 March 2024 PUBLISHED 22 March 2024

#### CITATION

Liu W, Yang Y, Li M and Mo J (2024), Corrigendum: Double cross-linked graphene oxide hydrogel for promoting healing of diabetic ulcers. *Front. Chem.* 12:1393387. doi: 10.3389/fchem.2024.1393387

#### COPYRIGHT

© 2024 Liu, Yang, Li and Mo. This is an openaccess 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.

# Corrigendum: Double cross-linked graphene oxide hydrogel for promoting healing of diabetic ulcers

# Wenxu Liu<sup>1,2</sup>, Yunfang Yang<sup>3</sup>, Meiying Li<sup>2</sup> and Jingxin Mo<sup>1,4</sup>\*

<sup>1</sup>Lab of Neurology, The Affiliated Hospital of Guilin Medical University, Guilin, China, <sup>2</sup>School of Pharmacy, Guilin Medical University, Guilin, China, <sup>3</sup>Health Management Centre, The Second Affiliated Hospital of Guilin Medical University, Guilin, China, <sup>4</sup>Clinical Research Center for Neurological Diseases of Guangxi Province, The Affiliated Hospital of Guilin Medical University, Guilin, China

#### KEYWORDS

bioorthogonal click, graphene oxide, dual network hydrogel, diabetic ulcer damage, glutathione

## A Corrigendum on

Double cross-linked graphene oxide hydrogel for promoting healing of diabetic ulcers

by Liu W, Yang Y, Li M and Mo J (2024). Front. Chem. 12:1355646. doi: 10.3389/fchem. 2024.1355646

In the published article, there was an error in Figure 7. The corrected figure and its caption appear below.

In the published article, there was an error in Figure 9. The corrected figure and its caption appear below.

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.

# 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.



#### FIGURE 7

Impact of hydrogel treatment on wound healing and reactive oxygen species (ROS) scavenging. (A) Representative fluorescence images of wounds from day 0 to day 4; (B) Statistical analysis of average fluorescence intensity levels. (C) Quantitative analysis of glucose content in the wound tissues. Data are presented as means  $\pm$  standard deviation. Statistically significant differences are denoted by asterisks, with \*\* $p \le 0.01$ , \*\*\* $p \le 0.001$ .



#### FIGURE 9

The effects of hydrogel on the microenvironment of the wound and the promotion of the healing of chronic diabetic wounds. Immunohistochemical staining was performed to detect the expression of (A) VEGF, (B) CD31, (C) Ki67, (D) CD86, and (E) CD163 (positive staining is brownish, nucleus staining is purple). Scale bar is 100  $\mu$ m. Quantitative analysis of (F) VEGF, (G) CD31, (H) Ki67, (J) CD86, and (K) CD163 immunohistochemical staining was also performed. (I) ELISA was used to detect the expression of VEGF in the traumatic tissues. Data are presented as means  $\pm$  standard deviation. Statistically significant differences are denoted by asterisks, with\* $p \le 0.05$ , \*\* $p \le 0.01$ , \*\* $p \le 0.001$ .