

CORRECTION



Correction: Ursolic acid inhibits NLRP3 inflammasome activation and alleviates vascular smooth muscle injury in Kawasaki disease

Guoqing Chen^{1,2}, Yanru Wang², Ying Zhang², Fang Gu², Tong Yu^{2,*}

¹Graduate School, Zhejiang Chinese Medical University, 310014 Hangzhou, Zhejiang, China

²Center for Reproductive Medicine, Department of Pediatrics, Zhejiang Provincial People's Hospital (Affiliated People's Hospital), Hangzhou Medical College, 310014 Hangzhou, Zhejiang, China

*Correspondence

Yutong_688@163.com (Tong Yu)

In the originally published article (DOI: 10.22514/sv.2024.041) [1], post-publication review by the Editorial Office identified that several references did not appropriately support the corresponding statements in the text.

In collaboration with the authors, the following corrections have been made in this Correction:

1. The following references have been replaced with more appropriate citations in this Correction:

[4] replaced by: Puenpa J, Saelim N, Wanlapakorn N, Korkong S, Yorsaeng R, Poovorawan Y. Concurrent coxsackievirus A6 infection and Kawasaki disease: a case report. *Reports*. 2024; 7: 98.

[8] replaced by: Liu L, Chen R, Wang H, Yu H, Ai Z, Zhang X. Nutrition-associated biomarkers in predicting intravenous immunoglobulin resistance and coronary artery lesions in Kawasaki disease: a systematic review and meta-analysis. *Food Science & Nutrition*. 2024; 13: e4647.

[15] replaced by: Xu LL, Su HX, Li PB, Li HH. Ursolic acid ameliorates myocardial ischaemia/reperfusion injury by improving mitochondrial function via immunoproteasome-PP2A-AMPK signalling. *Nutrients*. 2023; 15: 1049.

[16] replaced by: Wang X, Ma R, Lou D, Li H, Qi M. Ursolic acid alleviates liver injury in diabetic mice induced by high-fat diet combined with streptozotocin via the NLRP3 signaling pathway. *PLOS ONE*. 2026; 21: e0340643.

[18] replaced by: Lu G, Li X, Tang J, Jin Y, Wang Y, Zhou K, *et al.* Mycoplasma infection aggravates cardiac involvements in Kawasaki diseases: a retrospective study. *Frontiers in Immunology*. 2024; 14: 1310134.

[22] replaced by: Inoue TT, Viana Pereira V, Faria de Sousa G, Nunes Dourado LF, da Silva Cunha-Junior A. Anti-angiogenic activity of polymeric nanoparticles loaded with ursolic acid. *Journal of Drug Targeting*. 2025; 33: 249–258.

2. The following sentences in the Introduction and Discussion sections have been corrected for accuracy in this Correction:

In the Introduction section:

Original text: "Liver fibrosis is reversed by UA through the inhibition of the NADPH Oxidase 4 (NOX4)/NLR Family Pyrin Domain Containing 3 (NLRP3) inflammatory pathways and bacterial dysregulation [16]."

Corrected text: "UA could also alleviate liver injury in diabetic mice induced by high-fat diet combined with streptozotocin via the NLRP3 pathway [16]."

In the Discussion section:

Original text: "The antioxidant properties of UA contribute to anti-aging and skin freckle removal [22]."

Corrected text: "Other biological properties, besides the antioxidant activity, such as the anti-angiogenesis properties of UA in polymeric nanoparticles, have also been confirmed [22]."

The authors confirm that these corrections do not affect the scientific content, results, data interpretation, or conclusions of the original study.

The authors sincerely apologize for these inaccuracies and any inconvenience caused. This Correction has been approved by the Editor-in-Chief. The original article PDF remains available as published and has not been altered. Readers are advised to refer to this Correction for the updated references and the corrected sentences in the Introduction and Discussion sections.

REFERENCES

- [1] Chen GQ, Wang YR, Zhang Y, Gu F, Yu T. Ursolic acid inhibits NLRP3 inflammasome activation and alleviates vascular smooth muscle injury in Kawasaki disease. *Signa Vitae*. 2024; 20: 46–51.