Letter to the Editor

Authors' Reply: Clarifying Blood Indices in Patients With Ovarian Cancer

Jiahua Zhang, MSN

Ward 2, Gynaecological Oncology Centre, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China

Corresponding Author:

Jiahua Zhang, MSN Ward 2, Gynaecological Oncology Centre Peking Union Medical College Hospital, Chinese Academy of Medical Sciences No.1 Shuaifuyuan, Dongcheng District Beijing 100730 China

Phone: 86 13582506099

Email: zjh13784310227@163.com

Related Articles:

Comment on: https://mhealth.jmir.org/2024/1/e56475/

JMIR Mhealth Uhealth 2025;13:e74931; doi: 10.2196/74931

Keywords: WeChat; nutrition management; ovarian cancer; chemotherapy; mobile health

We agreed with the authors of the letter to the editor [1] that Figure 7 simply describes "the changes in blood cells." Our study [2] only focused on the effect of nutritional status on the inflammatory response of the patients but neglected an important point: the changes in blood cells such as "leukocytes, lymphocytes, neutrophils, and platelets" were also closely related to the occurrence of bone marrow suppression (BMS) in the patients [3]. Figure 7 illustrates that the nutritional intervention program in this study can reduce the occurrence of BMS in patients to a certain extent.

We couldn't agree more with the letter's suggestion. We would like to include the benefits of improved BMS in the Discussion section of our study, which would primarily include the following:

- Improvement in BMS can contribute to the patient's quality of life during chemotherapy [4].
- Reversal of the hematocrit condition corresponds to a reduction in the number or degree of the patient's chemotherapy symptoms: elevated neutrophils lead to lower levels of fatigue, fewer persistent or chronic infections, and less nausea/vomiting [5].
- An increase in hemoglobin improved the patient's appetite and reduced vertigo [6].
- An increase in the number of platelets reduced the incidence of hemorrhage [7].

Conflicts of Interest

None declared.

References

- 1. Lian C, Fan Y, Li J. Clarifying blood indices in patients with ovarian cancer. JMIR Mhealth Uhealth. 2025;13:e70895. [doi: 10.2196/70895]
- 2. Tian X, Liu Y, Zhang J, et al. Efficacy of a WeChat-Based, multidisciplinary, full-course nutritional management program on the nutritional status of patients with ovarian cancer undergoing chemotherapy: randomized controlled trial. JMIR Mhealth Uhealth. Nov 4, 2024;12:e56475. [doi: 10.2196/56475] [Medline: 39496160]
- 3. Ten Berg MJ, van den Bemt PMLA, Shantakumar S, et al. Thrombocytopenia in adult cancer patients receiving cytotoxic chemotherapy: results from a retrospective hospital-based cohort study. Drug Saf. Dec 1, 2011;34(12):1151-1160. [doi: 10.2165/11594310-000000000-00000] [Medline: 22077503]

- 4. Crawford J, Herndon D, Gmitter K, Weiss J. The impact of myelosuppression on quality of life of patients treated with chemotherapy. Future Oncol. 2024;20(21):1515-1530. [doi: 10.2217/fon-2023-0513] [Medline: 38587388]
- 5. Crawford J, Moore DC, Morrison VA, Dale D. Use of prophylactic pegfilgrastim for chemotherapy-induced neutropenia in the US: a review of adherence to present guidelines for usage. Cancer Treat Res Commun. 2021;29:100466. [doi: 10.1016/j.ctarc.2021.100466] [Medline: 34655862]
- 6. Bryer E, Henry D. Chemotherapy-induced anemia: etiology, pathophysiology, and implications for contemporary practice. Int J Clin Transfus. Oct 23, 2018;6:21-31. [doi: 10.2147/IJCTM.S187569]
- 7. Thrombocytopenia (low platelet count). American Cancer Society. URL: https://www.cancer.org/cancer/managing-cancer/side-effects/low-blood-counts/bleeding.html [Accessed 2025-08-06]

Abbreviations

BMS: bone marrow suppression

Edited by Taiane de Azevedo Cardoso; This is a non-peer-reviewed article; submitted 25.03.2025; final revised version received 14.07.2025; accepted 23.07.2025; published 13.08.2025

Please cite as:

Zhang J

Authors' Reply: Clarifying Blood Indices in Patients With Ovarian Cancer

JMIR Mhealth Uhealth 2025;13:e74931 URL: https://mhealth.jmir.org/2025/1/e74931

doi: 10.2196/74931

© Jiahua Zhang. Originally published in JMIR mHealth and uHealth (https://mhealth.jmir.org), 13.08.2025. This is an open-access article distributed under the terms of the Creative Commons Attribution License (https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work, first published in JMIR mHealth and uHealth, is properly cited. The complete bibliographic information, a link to the original publication on https://mhealth.jmir.org/, as well as this copyright and license information must be included.