

Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in anorectal abscess

 Rujittika Mungmunpantipantip, M.D.,¹  Viroj Wiwanitkit, M.D.²

¹Primary Academic Consultant, Bangkok-*Thailand*

²Dr. DY Patil University, Pune-*India*

Dear Editor,

We would like to share ideas on the publication “The evaluation of neutrophil to lymphocyte (NLR) ratio and platelet to lymphocyte ratio (PLR) in anorectal abscess.”^[1] Concluded that “We believe NLR may be used as a helpful diagnostic marker for ARA diagnosis; however, PLR has low sensitivity and specificity.”^[1] There are many factors that can affect the reliability of NLR and PLR. The concurrent disorders such as other coinfection or personal medication such as antiplatelet drug can alter the NLR and PLR results. In addition, the point that the report by Akarin did not mention is the quality control of the automated hematological analyzer, which is not the issue on sensitivity and specificity.^[2,3] Finally, the different kinds or generations of automated hematology analyzer can result in discordant parameters. Large different of platelet, neutrophil, and lymphocyte result is observed in inter-laboratory evaluation studies.^[2] Therefore, the follow-up monitoring must be based on the same analyzer.

Peer-review: Internally peer-reviewed.

Conflict of Interest: None declared.

REFERENCES

1. Akarin C. The evaluation of neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in anorectal abscess. *Ulus Travma Acil Cerrahi Derg* 2020; 26:887–92. [[CrossRef](#)]
2. Takubo T, Tatsumi N, Satoh N, Matsuno K, Fujimoto K, Soga M, et al. Evaluation of hematological values obtained with reference automated hematology analyzers of six manufacturers. *Southeast Asian J Trop Med Public Health* 2002; 33 Suppl 2:62–7.
3. Miles Technicon H.2 automated hematology analyzer. *Health Devices* 1992; 21:387–419.

Cite this article as: Mungmunpantipantip R, Wiwanitkit V. Neutrophil to lymphocyte ratio and platelet to lymphocyte ratio in anorectal abscess. *Ulus Travma Acil Cerrahi Derg* 2021;27:710.

Address for correspondence: Rujittika Mungmunpantipantip, M.D.

26 Medical Center 10150, Bangkok, Thailand

Tel: 6624588559 E-mail: rujittika@gmail.com

Ulus Travma Acil Cerrahi Derg 2021;27(6):710 DOI: 10.14744/tjtes.2021.91954 Submitted: 07.12.2020 Accepted: 02.02.2021

Copyright 2021 Turkish Association of Trauma and Emergency Surgery

