

Review of: "Effect of neutrophil-to-lymphocyte ratio and vitamin D3 levels on the pathological complete response after neoadjuvant treatment in TNBC and HER2-positive early breast cancer – results of a prospective study"

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Potential competing interests: No potential competing interests to declare.

In this paper the Authors the Effect of neutrophil-to-lymphocyte ratio and vitamin D3 levels on the pathological complete response after neoadjuvant treatment in TNBC and HER2-positive early breast cancer. It is a debated and novel topic. A comprehensive and extensive literature review of the NCBI database PubMed was also carried out. The article was well conducted and it is interesting in its fields. It is a well-structured paper, written in good English and the References are up dated.

Minor issues:

The NLR has been used to predict malignancy also in thyroid surgery. Moreover in more demolitive surgery, interventions are affected by more severe complications. In the "discussion" section I suggest to better analyze this topic. Therefore, the following paper should be considered:

"Gambardella C, Mongardini FM, Paolicelli M, Bentivoglio D, Cozzolino G, Ruggiero R, Pizza A, Tolone S, Del Genio G, Parisi S, Bruscianno L, Cerbara L, Docimo L, Lucido FS. Role of Inflammatory Biomarkers (NLR, LMR, PLR) in the Prognostication of Malignancy in Indeterminate Thyroid Nodules. *Int J Mol Sci.* 2023 Mar 30;24(7):6466. doi: 10.3390/ijms24076466. PMID: 37047439; PMCID: PMC10094849.."

"Gambardella C, Offi C, Romano RM, De Palma M, Ruggiero R, Candela G, Puziello A, Docimo L, Grasso M, Docimo G. Transcutaneous laryngeal ultrasonography: a reliable, non-invasive and inexpensive preoperative method in the evaluation of vocal cords motility-a prospective multicentric analysis on a large series and a literature review. *Updates Surg.* 2020 Sep;72(3):885-892. doi: 10.1007/s13304-020-00728-3. Epub 2020 Mar 2. PMID: 32124271."