

Review of: "[Mini Review] Cytobiological Alterations Induced by Celecoxib as an Anticancer Agent for Breast and Metastatic Breast Cancer"

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Potential competing interests: No potential competing interests to declare.

Firstly, I have to thank the editorial board for reviewing the minireview titled "Cytobiological Alterations Induced by Celecoxib as an Anticancer Agent for Breast and Metastatic Breast Cancer)."

The following comments, the authors should take into consideration:

- 1- The review is well written and organized from its structure and writing sequence.
- 2- The authors should change the title to "not specified to cytobiological," as it has a wide meaning in biological expression and the review without cytological information. This means to mention different immunohistological records.
- 3- As they concentrated on celecoxib as a COX-2 inhibitor and targeted for the breast cancer inflammation consequences, they should mention the full literature about celecoxib and other published novel synthesized compounds and COX-1 in the breast cancer types, not only triple negative.

You can use the following:

Alshehri KM, Abdella EM. Galloyl-oligochitosan nano-vehicles for effective and controlled propolis delivery targeting upgrading its antioxidant and antiproliferative potential. *Int J Biol Macromol.* 2024 May 10;270(Pt 2):132283. doi: 10.1016/j.ijbiomac.2024.132283. Epub ahead of print. PMID: 38735605.

Mohammad Y. Alfaiji, Mohamed A.-E. Zein, Ali A. Shati, Mohammed A. Alshehri, Serag Eldin I. Elbehairi, Hani S. Hafez, Reda F.M. Elshaarawy, Synthesis, photophysical behavior and biomolecular reactivity of new triphenylphosphonium-based Pd(II)salphens as new. anticancer candidates, *Journal of Photochemistry and Photobiology A: Chemistry,* Volume 385, 2019, 112083, ISSN 1010-6030, <https://doi.org/10.1016/.jphotochem.2019.112083>.

4-In light of these findings, it is important to explore the full potential of celecoxib and other COX-2 inhibitors as therapeutic agents for breast cancer and other inflammatory conditions.