

# Review of: "[Perspective] Glucolipotoxicity: A Novel Different Perspective on the Causes of Cancer"

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**Potential competing interests:** No potential competing interests to declare.

In this abstract, the authors summarize the mechanisms underlying the Warburg effect and glucolipotoxicity, highlighting their implications for tumor growth. Understanding these paradoxical conditions that activate tumor growth provides insights for the development of innovative therapeutic strategies targeting the primary cause of cancer. Overall, the manuscript provides a valuable perspective on the role of glucolipotoxicity in cancer development. However, the following issues are required for explaining:

1. The manuscript provides a comprehensive overview of the glucolipotoxicity hypothesis as a novel perspective on the causes of cancer.
2. It would be beneficial to further explore the potential regulation of glucolipotoxicity by the tumor microenvironment.
3. The manuscript mentions the development of innovative therapeutic strategies targeting the primary cause of cancer. It would be valuable to discuss potential approaches to specifically target glucolipotoxicity for cancer treatment.
4. The authors briefly mention the existence of clinical trials targeting glucolipotoxicity. It would be helpful to provide a summary table of these completed and reported clinical trials, including the drugs used, patient populations, and outcomes.
5. The manuscript lacks a graphical abstract or figure summarizing the main points and findings. Including a visual representation of the glucolipotoxicity hypothesis and its implications for tumor growth would enhance the clarity and impact of the manuscript.
6. The authors are recommended to consider engaging a professional language editing service to ensure the clarity and coherence of the manuscript.