Review of: "Metabolic Intervention with Glucosodiene: Follow-up Insights on Successful First Case Treatment for Metastatic Triple Negative Breast Cancer (TNBC) of Bone after a Four Month Treatment Duration"

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Potential competing interests: No potential competing interests to declare.

The manuscript entitled "Metabolic Intervention with Glucosodiene: Follow-up Insights on Successful First Case Treatment for Metastatic Triple Negative Breast Cancer (TNBC) of Bone after a Four Month Treatment Duration" describes a follow-up assessment of a 43-year-old female patient diagnosed with metastatic triple negative breast cancer (TNBC). The authors reported a successful treatment for metastatic TNBC in the bones with glucosodiene.

Although this study had preliminary findings and some limitations, this work is important and interesting. The authors need to confirm their results on many patients with advanced-stage triple negative breast cancer (large sample size) to reach a valid conclusion. The paper suffers from some shortcomings.

Shortcomings:

- Please add information about the dose regimen of the drugs that were administered to this patient. Please justify including references that support your use.
- The information about glucosodiene, including the dose, route of administration, company name, …, etc., please add this information.
- Is a fifteen-day treatment of glucosodiene enough to induce these therapeutic effects in that patient? Please justify including references that support your theory.
- The authors wrote, “The safety profile of glucosodiene has undergone scrutiny, revealing favorable characteristics for therapeutic application. Moreover, the proposed mechanism of action involves impacting glucose metabolism, modulating signaling pathways, and enhancing immune responses, holding promise for targeted cancer therapy.” Please add in detail the supporting references for the safety of glucosodiene in cancer patients, especially those with liver or kidney diseases?
- Please discuss in detail the mechanism of action of glucosodiene in general and in tumors, including examples of its category, effectiveness, and adverse effects.
- Please add a section on the limitations of this study.