

# 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.

## Minor comments

### Abstract section

- In the first sentence of the abstract: *"This study presents a comprehensive follow-up assessment of agroundbreaking case involving a 43-year-old female patient diagnosed with metastatic Triple Negative Breast Cancer (TNBC)"*, I would replace 'groundbreaking case' by 'interesting case'.

### Background section

- In the first paragraph of the background section, *The Maher Akl Theory of Glucose Mutation* is mentioned. Please provide a reference to this theory.
- In the second paragraph, I would replace *'The safety profile of glucosodiene has undergone scrutiny, revealing favorable characteristics for therapeutic application.'* by *'The safety profile of glucosodiene has been closely investigated, revealing favorable properties for therapeutic application.'*
- Also in the second paragraph, I would replace *'The assessment encompasses scrutinizing imaging results derived from an F-18 Fluorodeoxyglucose (FDG) PET/CT scan ...'* by *'The assessment encompasses examining imaging results derived from an F-18 Fluorodeoxyglucose (FDG) PET/CT scan ...'*

### Case Information background section

- In the first paragraph, I would replace *'Further investigations revealed lymph node metastasis and bone involvement.'* by *'Further investigations revealed lymph node and bone metastasis.'*
- It is not very clear to me what the authors mean by *'the absence of cellular activity'*. Is this the absence of bone metastases? Please clarify.

### Follow-up Evaluation of the Case section

- What was the injected radioactivity of 18F-FDG in MBq or MBq/kg?
- Please also provide the scanner manufacturer of the PET/CT system.

### Laboratory Finding section

- Please rephrase the Laboratory Finding section in the past tense.

### Discussion section

- In the first sentence, I would remove the word 'around'.

### Conclusion section

- I would replace ' *The absence of hypermetabolic lesions, coupled with normal liver and kidney functions*substantiates the efficacy of glucosodiene.' by ' *The absence of hypermetabolic*bone lesions, coupled with normal liver and kidney functions, confirms the efficacy and safety of glucosodiene.'

### **Major comments**

In the Information Background section, the authors mention the involvement of bone metastasis; however, no PET/CT scan (or SPECT/CT scan) is provided to demonstrate this. This is my major concern and, in my opinion, the major shortcoming of this case report. So, if scans of this patient are available before and after starting glucosodiene treatment to show the reduction of bone metastasis, they should be included in this case report. This will significantly improve the value of this case report, and, in my opinion, these pre- and post-treatment scans are really necessary to demonstrate the added value of glucosodiene.

If laboratory findings are also available before and after the start of glucosodiene treatment, I would also include them in your case report. This will further strengthen the value of the case report.