

Peer Review

Review of: "Summer Birth and Clinical Characteristics in Schizophrenia: A Cross-Sectional Study"

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Subject: Feedback on the paper titled: "**Summer Birth and Clinical Characteristics in Schizophrenia: A Cross-Sectional Study**"

I would like to express my gratitude for sharing your interesting paper titled "Summer Birth and Clinical Characteristics in Schizophrenia: A Cross-Sectional Study". Below, I present some points for improvement that could further strengthen your research:

1. Greater clarity in the introduction:

- It would be helpful to expand the introduction with more precise data regarding the disease. For this, I recommend the recently published work by Jiménez-Trejo et al., 2024, titled "Serotonin and Schizophrenia: What Influences What?" to more broadly address the multifactorial aspect of the disease. This will help readers better understand the focus and importance of the research from the outset.

2. Results:

- The results are interesting and presented with additional graphs and/or tables. However, I suggest including an image as a model of the probable causes that contribute to the increased number of patients born in summer with schizophrenic problems and summarizing the main findings. This will help readers better visualize the data presented.

3. Discussion:

- In the discussion, it is important to mention the environmental influences during the years of reported births. For example, the incidence of solar rays, their directionality, types of solar storms, early or late rains, availability of food during that time and in the study region, etc. Including more information of this type can make this work more valuable, as it provides

more foundations for the increased predisposition to schizophrenia in certain regions of the world and whether the influence of birth and time of year can even be a trend concerning the disease. Including additional references and discussing the similarities and differences with previous research will strengthen the scientific context of the paper.

4. Conclusions:

- The conclusions could be more specific and offer practical recommendations or future lines of research. This will provide a clear perspective on the implications of the findings.

I am confident that these adjustments will help improve the clarity and impact of your research. I remain at your disposal for any further questions or clarifications.

Sincerely,

Dr. Francisco Jiménez-Trejo

Declarations

Potential competing interests: No potential competing interests to declare.