

# Review of: "Hospital's Thermo-neutral Zone for Patient Safety and Climate Change Sustainability"

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

I would like to thank the authors for their exceptional work.

## **Comments:**

- The paper mentions that the model was built using data obtained from field research carried out from January 2021 to March 2022. Given the rapidly changing climate conditions, this time frame may not be sufficient to capture the full spectrum of environmental variations, and there's a lack of discussion on the representativeness of the chosen period.
- The study briefly mentions the continuous use of hybrid ventilation systems at Kadhimiya Teaching Hospital, but there is a lack of detailed information on the design, performance, and challenges associated with these systems. A more in-depth analysis would provide a better understanding of their effectiveness.
- The paper acknowledges the impacts of climate change but lacks a comprehensive discussion on how these changes might affect the effectiveness of the proposed solutions over the long term. This includes considerations of future climate projections and adaptation strategies.

## **Recommendations for the authors:**

- Provide detailed analysis of specific architectural features.
- Include case studies for illustration.
- Extend data collection time frame for climate variations.
- Discuss representativeness of chosen period.
- Conduct in-depth analysis of systems at Kadhimiya Teaching Hospital.
- Ensure robust citations for climate change and building system effectiveness.
- Clarify transition from thermal comfort to CGCC.