

# Review of: "Crime Prevention through Environmental Design in Healthcare Facility: A Study of Sehat Al Sharq at Al Khobar, KSA"

Xinzhi Wang

Potential competing interests: No potential competing interests to declare.

This paper discusses the crucial topic of Crime Prevention Through Environmental Design (CPTED) in healthcare facility design and safety. It explores a wide range of concepts and guidelines related to creating safe and secure healthcare environments. Here are some key points to consider:

## Abstract

The abstract provides a clear overview of the paper's scope and objectives, which is to explore Crime Prevention through Environmental Design (CPTED) in the context of healthcare projects, with a focus on patient safety and security. It effectively highlights the importance of safety in healthcare settings, encompassing not only physical safety but also concerns related to data theft and privacy breaches.

The mention of best practices, such as CPTED principles and guidelines from the International Association for Healthcare Security and Safety, adds credibility to the paper's approach. Additionally, citing Sehat Al Sharq Hospital as a case study lends practical relevance to the research.

## ***However, there are a few areas for improvement:***

- 1.The abstract could benefit from more precise language and structure. For instance, the sentence "Safety from data theft and breaches of privacy are other concerns in the healthcare setup" could be rephrased for greater clarity.
- 2.While the abstract provides a comprehensive overview, it could be condensed slightly to maintain brevity. Some sentences could be combined to make the abstract more concise without losing its essential points.
- 3.It would be helpful to include a brief statement about the potential contributions or implications of the research. What new insights or solutions does it offer regarding CPTED in healthcare environments?
- 4.Minor grammatical and punctuation improvements could enhance the overall readability of the abstract.

## Introduction

The introduction provides a comprehensive overview of the paper's topic, which is the importance of addressing safety and security in healthcare facility design, with a focus on Crime Prevention Through Environmental Design (CPTED). It starts by acknowledging the impact of the physical hospital environment on the healing process and emphasizes the need for safety. It also cites statistical data to highlight the alarming rates of violence in healthcare settings.

The introduction effectively communicates the urgency and significance of the subject matter, making it clear why addressing safety and security is crucial in healthcare facilities. It references the multi-hazard approach, security guidelines, and the role of a Security Master Plan in the design process, which adds depth to the discussion.

Furthermore, the mention of way finding and its connection to CPTED is a valuable addition, highlighting the practical

aspects of creating safer spaces. The introduction also references key theories related to crime prevention and environmental design, showcasing the academic underpinnings of the research.

Overall, the introduction provides a strong foundation for the paper, combining statistical data, practical considerations, and theoretical frameworks to engage the reader and set the stage for the rest of the document. It effectively conveys the importance of the topic and the need for proactive security measures in healthcare facility design.

## Literature Review

The literature review section provides a comprehensive overview of the key concepts and guidelines related to Crime Prevention Through Environmental Design (CPTED) in healthcare facility design. It covers a wide range of sub-guidelines and areas of consideration, providing a detailed exploration of how CPTED principles can be applied in various aspects of healthcare facilities. It could benefit from improved organization, citation style, and better alignment with the research objectives for enhanced clarity and effectiveness.

### ***However, there are some notable observations:***

- 1.The section lacks a clear structure or organization. It jumps between various sub-guidelines and considerations without a logical flow, making it challenging for the reader to follow the narrative. A more structured approach, perhaps grouping related sub-guidelines, would enhance clarity.
- 2.While some citations are provided (e.g., Saxena & Kamal, 2018), many references to guidelines and organizations are mentioned without proper citations. Providing complete references for all sources would improve the academic rigor of the literature review.
- 3.Some concepts are repeated, such as the importance of integrating security into the design process. While repetition can be effective for emphasis, it should be done sparingly to avoid redundancy.
- 4.It would be beneficial to explicitly connect the concepts discussed in the literature review to the research objectives or questions of the paper. How do these concepts relate to the paper's focus on addressing design challenges in healthcare facilities?
- 5.The language used in the section is somewhat technical, which is suitable for an academic audience but may benefit from simplification in places for easier comprehension.

## Conclusion

The "Conclusion" section provides a concise summary of the key points discussed in the paper and emphasizes the importance of incorporating security and safety features into healthcare facility design. It effectively underscores the role of physical features and technological solutions like access control, CCTV, and duress alarms in enhancing safety and security, highlighting the relationship between visibility and crime prevention.

### ***However, there are a few areas to consider:***

- 1.The conclusion is clear and to the point. It summarizes the main findings and their implications effectively. However, it might benefit from a more structured approach, separating the discussion of security features from the overall conclusion about the importance of safety and security in healthcare design.
- 2.The transition from the conclusion to the "Results and Discussion" section is abrupt. It would be helpful to provide a brief lead-in or transition sentence to guide the reader into the next section.
- 3.The mention of "Results and Discussion" at the end of the conclusion hints at what's to come but does not provide any

actual results or discussions. If this section is meant to contain research findings and analysis, it should be clearly delineated from the conclusion and expanded upon.

4. It might be beneficial to include a brief statement about potential future recommendations or areas for further research related to healthcare facility design and safety.