

Reviewer Comments

Dear respected editor

Thank you for the invitation to review this manuscript. I commend the authors for their well-conceived study addressing an essential topic in radiology training. The exploration of safety and professionalism in Saudi radiology trainees' workplace culture adds valuable insights to the field. The manuscript is well-structured, yet there are minor areas that could benefit from further refinement to enhance clarity and impact. I hope that the following comments could be beneficial.

Abstract:

- The abstract effectively summarizes the study but could be improved by adding specific recommendations derived from the findings.
- While it mentions differences in perceptions across groups, quantifying these differences or highlighting key comparisons would strengthen the abstract's impact.

Introduction:

- The introduction provides a robust theoretical background but does not sufficiently highlight the unique aspects of Saudi Arabia's radiology training context compared to international studies.
- Consider elaborating on how hierarchical cultural norms in Saudi Arabia might influence speaking-up behaviors (e.g., Bisbey et al., 2019; Tear et al., 2020).

Methods:

- The methodological description is clear and comprehensive. However:
 - The adaptation of the questionnaire for the Saudi context is not fully explained (Page 4). Providing examples of modifications made to reflect local cultural or clinical nuances would enhance the study's reliability.
 - The selection criteria for hospitals and trainees could be expanded upon to clarify their relevance to generalizability (Page 3).
 - The inclusion of a hypothetical scenario is a strength, but adding scenarios addressing unprofessional behavior would align better with the study's dual focus (Page 4).

Results:

- The results are well-presented, but:
 - The narrative explanation of differences between residents and interns (e.g., proactive behaviors) needs more depth to provide context (Page 6). For instance, do these differences stem from training exposure, age, or professional responsibility?

- Differences in hospital environments (KAMC vs. KSMC) are significant (Page 7). Discussing potential institutional factors influencing these perceptions would add value.

Suggestions for Improvement:

- Include more narrative explanation of trends observed in the data, especially regarding differences between residents and interns.
- The findings on hierarchical influence are significant and warrant deeper exploration in the results section.

Discussion:

- The discussion ties findings to existing literature effectively but lacks depth in actionable recommendations for addressing safety and unprofessional behavior. For example:

- Leadership training programs could be proposed to address hierarchical barriers (Page 10).
- Discussing the role of simulation-based training for raising safety concerns could align with literature (Pian-Smith et al., 2009).
- The findings about unprofessional behavior are noteworthy but underexplored. Highlighting their implications for team dynamics and patient safety would add depth (Page 9).

Suggestions for Improvement:

- Provide more detailed examples of systemic reforms or interventions that could address the issues identified.
- Discuss potential limitations of the study in more depth, such as the hypothetical nature of scenarios and its impact on real-world applicability.

Conclusion:

- The conclusion is concise but could benefit from specific, practical recommendations for radiology educators and policy-makers. For instance:

- Establish anonymous reporting systems or informal feedback channels to mitigate hierarchical barriers.

Suggestions for Improvement:

- Include more actionable recommendations for educators, policy-makers, and trainees to foster a culture of safety and professionalism.

Figures and Tables (Throughout)

Figures and tables are well-constructed and contribute significantly to the clarity of the manuscript.

References

- References are current and relevant. However, including more regional studies on healthcare safety culture could strengthen the manuscript's contextual relevance.

Suggestions for Improvement:

- Ensure consistency in citation formatting and include recent studies from similar contexts if available.

General feedback

The study is a commendable effort to address an underexplored yet vital topic. By refining the aforementioned areas, the manuscript will significantly contribute to the understanding and improvement of safety culture and professionalism in radiology training. Good luck!

Prof Ebtsam Abou Hashish