

REVIEWER'S REPORT

Manuscript No.: IJAR-56881

Title: Research Protocol: Trauma Center Outcomes at Wolfson Hospital

Recommendation:

- Accept as it is
- ✓ **Accept after minor revision.....**
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance		✓		

Reviewer Name: Dr S. K. Nath

Detailed Reviewer's Report

Strengths of the Study

- The manuscript addresses a relevant and important topic concerning trauma outcomes, with particular focus on an elderly population in Israel.
- The study uses a well-defined retrospective epidemiological design, utilizing a substantial sample size of 1,508 patients, which enhances the robustness of the findings.
- The comprehensive analysis of multiple variables (demographic, clinical, injury characteristics) and their associations with outcomes provide valuable insights into factors influencing trauma care.
- The integration of data from trauma registries and the use of standard statistical analyses (SPSS, correlations, Chi-square tests) add to the methodological rigor.
- The study discusses contextual differences compared to national data and highlights the importance of local demographic factors in trauma outcomes, contributing to both regional and global trauma care literature.

Weaknesses of the Study

- The manuscript does not mention whether the research has been previously published or exists as a preprint elsewhere, which should be clarified prior to publication.
- The retrospective design limits causal inferences and may involve missing or incomplete data, especially since some variables (e.g., BMI) had missing entries.
- The study focuses only on one year (2016), which limits the ability to assess trends over time or generalize findings across multiple years.
- The statistical analysis section could be more detailed, including how variables were handled (e.g., potential confounders, multivariate models).
- The discussion could be expanded to better contextualize how findings compare with international trauma outcome studies.
- Some sections, especially methods and results, could benefit from clearer presentation and more precise language.
- Ethical approvals are mentioned but lack details such as the approval number or specific ethics committee.
- The manuscript could improve in English language clarity, grammar, and typographical consistency.

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Reviewer Comments

- The title clearly indicates the study focus, but could be enhanced by explicitly mentioning the population or the main outcomes if space permits.
- The abstract effectively summarizes the study, though a clearer statement of specific statistical results and implications would add clarity.
- The introduction effectively contextualizes the significance of trauma research but could more explicitly define the gap this study addresses.
- The objectives are well stated; however, explicitly framing the research questions early might improve clarity.
- The methodology is appropriate but lacks detail regarding statistical adjustments for confounding variables; multivariate analysis would strengthen the findings.
- Results are comprehensive but need clearer presentation particularly the structure of tables and figures.
- The discussion reasonably interprets key findings but should more thoroughly compare with existing international literature.
- Ethical consideration is noted, but further details on approval and consent are necessary.
- The manuscript generally exhibits good flow but would benefit from language polishing to improve clarity and grammatical accuracy.
- Tables and figures should follow consistent formatting, and their legends should be detailed for standalone understanding.
- References are extensive; ensure adherence to journal citation style and consistency throughout.