

REVIEWER'S REPORT

Manuscript No.: IJAR-56881

Title: Research Protocol: Trauma Center Outcomes at Wolfson Hospital.

Recommendation:

Accept after major revision

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

Reviewer's ID: JPR-198

Detailed Reviewer's Report

This manuscript addresses an important and clinically relevant topic—determinants of trauma outcomes in a regional trauma center. The study is based on a reasonably large dataset (n=1508) and explores multiple patient- and injury-related predictors. The work has potential value, particularly in explaining discrepancies in mortality rates reported by the Gertner Institute.

However, the manuscript currently remains methodologically and analytically limited, and requires major revision before being suitable for publication in the journal.

Major Comments

- Refine the objective and explicitly state whether the study aims to:
 - Identify predictors of mortality, or
 - Describe associations with multiple outcomes.
- The manuscript claims: "Age did not correlate with recovery level". However, a significant F-test is reported ($p < 0.01$). This is a contradiction and has to be corrected.
- Results show normal-weight patients stayed longer, but discussion suggests overweight patients do. The authors are recommended to carefully re-evaluate statistical outputs and ensure consistency between results and discussion.

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4. STROBE checklist is required for observational studies. Mention it in the methodology.
5. Despite motivation being 8× higher mortality in mild cases, mortality is reported only descriptively (2.5%). It is not analyzed as a dependent variable. Authors are recommended to conduct mortality-specific analysis such as logistic regression and stratify by ISS categories.
6. Comparisons with Gertner Institute data are speculative and not statistically tested. No standardized benchmarking or risk adjustment is performed. Authors are recommended to include risk-adjusted comparison or clearly state limitations.