

REVIEWER'S REPORT

Manuscript No.: IJAR-54040

Date: 27-09-2025

Title: Epidemiological and Clinical Patterns of Suicidal Burn Injuries: A Cross-Sectional Analysis with a Focus on Gender-Based Outcomes in Burns..

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. Amina

Reviewer's Comment for Publication

This manuscript presents a retrospective cross-sectional study of 648 burn patients admitted to a tertiary care center in Northern Kerala (2018–2021), focusing on the epidemiology of suicidal burns and gender-based outcomes. The paper addresses an important public-health problem, given the high incidence of self-immolation and the particular vulnerability of women in India.

Strengths

- **Timely and Relevant Topic:** Examines the intersection of gender, mental health, and burn injuries in a region with documented high suicide rates.
- **Comprehensive Data Set:** Four years of hospital records provide a robust sample size ($n = 648$), allowing for meaningful subgroup analyses.
- **Clear Statistical Findings:** The gender disparity ($OR = 2.32$ for female suicides) and high mortality rate among suicidal burn victims (72.4%) are well documented and clinically significant.
- **Policy Impact:** Emphasizes the need for gender-sensitive mental-health interventions and regional suicide-prevention strategies.

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Suggestions for Minor Revision

1. Language and Editing

- Correct typographical errors and spacing (e.g., "cross2 sectional" → "cross-sectional," "data was collectedfrom" → "data were collected from").
- Ensure consistent capitalization of headings (e.g., "Background," "Methodology") and uniform tense throughout.

2. Structure and Flow

- Some sections (e.g., Background and Introduction) contain overlapping information. Consider merging or condensing to avoid repetition.
- Provide a concise summary of key numerical findings in the Abstract for clarity.

3. Methodological Details

- Clarify inclusion/exclusion criteria (e.g., how "inadequate data" was defined).
- Briefly describe how missing data, if any, were handled during analysis.

4. Tables and Figures

- Ensure all tables are formatted consistently and referenced in the text.
- If possible, include a figure showing age- and gender-specific suicide rates to enhance visual comprehension.

5. Discussion Enhancements

- Expand on potential sociocultural drivers unique to Wayanad, where suicidal burns were most prevalent.
- Acknowledge the single-center design and retrospective nature as limitations and suggest directions for future multicenter or prospective studies.