

REVIEWER'S REPORT

Manuscript No.: IJAR-54618

Date: 3/11/2025

Title: Nosocomial infections in the intensive care unit: Experience of the Avicenna Military Instruction 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

Date: 4/11/2025

Reviewer's Comment for Publication:

This manuscript tackles a crucial issue and presents valuable data on nosocomial infections in a Moroccan ICU setting. However, it requires significant revisions for clarity, organization, language, and depth of analysis.

Reviewer's Comment / Report

Strengths:

- Relevant Topic:** The study addresses an important and globally relevant issue nosocomial infections in intensive care units (ICUs) which has significant implications for patient safety, infection control, and antimicrobial resistance.
- Sample Size and Duration:** The retrospective analysis of 840 patients over two years provides a substantial dataset for identifying infection prevalence, microbiological profiles, and resistance patterns.
- Comprehensive Data Presentation:** The manuscript includes detailed microbiological data, including the distribution of germs, resistance profiles, and the impact on hospital stay, which are valuable for clinicians and infection control teams.
- Focus on Antibiotic Resistance:** The study emphasizes the high prevalence of multi-resistant bacteria, highlighting the importance of antimicrobial stewardship.
- Clear Main Findings:** The high prevalence of pneumonia, the dominance of Gram-negative bacteria like *Acinetobacter baumannii*, and the resistance to key antibiotics are well documented.

Weaknesses:

- Structural and Formatting Issues:**
The manuscript displays inconsistent formatting (e.g., irregular numbering, misplaced spaces, and formatting issues in the references). These affect readability. The abstract, introduction, methodology, results, and discussion are not distinctly separated or labeled, making navigation difficult.
- Language and Grammar:**
Some sentences contain grammatical errors, typographical mistakes, or awkward phrasing, e.g., "Dur 24 month" should be "over 24 months," and "Nosocomial infected patients was found" should be "were found." Use of inconsistent tenses and plural/singular forms.
- Methodological Details:**
The methods section lacks detailed information on the criteria for defining nosocomial infections, sampling procedures, and microbiological techniques.
There is limited explanation on how the data was analyzed statistically.
- Results Clarity:**

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Some numerical data are presented in an inconsistent manner (e.g., percentages without units, inconsistent decimal usage). The presentation of data (tables and figures) could be clearer; some references to figures (e.g., Figure 1 and Figure 2) do not include the figures themselves.

Certain details, such as the criteria for antibiotic resistance, are not fully explained.

5. **Discussion and Conclusions:**

The discussion could better interpret the findings, compare them with existing literature, and address limitations.

The conclusion is somewhat brief and could be strengthened by providing specific recommendations.

6. **References:**

Some references are incomplete or formatted inconsistently with standard referencing styles.

Some cited works are outdated; updating references to include recent data would strengthen the manuscript.

7. **Ethical Considerations:**

Although ethical approval and informed consent are mentioned, details on ethical clearance procedures and participant confidentiality should be clarified.

Suggestions for the Author:

- **Structural Reorganization:** Clearly segment the manuscript into standard sections Abstract, Introduction, Methods, Results, Discussion, Conclusion, References.
- **Language Editing:** Proofread for grammatical errors, typographical mistakes, and improve sentence clarity. Consider professional language editing if necessary.
- **Methodology Detail:** Elaborate on the criteria used for infection diagnosis, microbiological testing methods, and statistical analyses.
- **Data Presentation:** Ensure tables and figures are complete, properly labeled, and referenced correctly in the text.
- **References:** Update and standardize referencing style, include recent studies for context.
- **Ethical Statements:** Provide more comprehensive details about ethical approval and patient consent.
- **Discussion Expansion:** Compare findings to other studies and discuss limitations and future directions.