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REVIEWER'S REPORT

Manuscript No.: IJAR-55566

Title: Irrational use of antibiotics among doctors in Port Sudan hospitals

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: 05.01.26*Detailed Reviewer's Report***Strengths of the Study**

- The research addresses a highly relevant and pressing issue of antibiotic misuse and resistance in a developing country context.
- The study involves multiple hospitals in Port Sudan, providing a broader perspective on local prescribing practices.
- The methodology includes a cross-sectional design with a reasonable sample size of 60 physicians.
- The paper highlights important factors influencing irrational antibiotic use, such as financial constraints, lack of adherence to guidelines, and culture test practices.
- The discussion contextualizes findings within the global and national framework of antimicrobial resistance challenges.
- The references include reputable sources, including WHO documents and recent studies, adding credibility.

Weaknesses of the Study

- The sample size, while adequate for descriptive purposes, may limit the generalizability of findings.
- The study relies heavily on self-reported data, which can introduce bias, particularly regarding adherence to guidelines.
- There is limited statistical analysis beyond descriptive statistics; no inferential statistics to test associations.
- The methodology section lacks detail about sampling procedures and questionnaire validation.
- Ethical approval and informed consent processes are not explicitly mentioned.
- The presentation of results is somewhat fragmented, with overlapping data across pages and inconsistent formatting.
- The discussion could better integrate findings with existing literature and explore causality more critically.
- References are slightly inconsistent in formatting and lack uniformity.

Reviewer Comments

- **Title and Abstract:** The title clearly states the study focus; however, the abstract could be more concise and structured, explicitly stating key results and conclusions.
- **Introduction and Objectives:** The introduction sufficiently contextualizes the problem but could benefit from clearer articulation of specific research questions. The objectives are embedded within the text; explicit listing would enhance clarity.

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- **Methodology and Statistical Analysis:** Describes a cross-sectional survey approach, but lacks detail about the sampling method, validation of tools, and ethical oversight. The analysis appears limited to descriptive percentages; including statistical testing would strengthen the findings.
- **Results and Discussion:** Results are presented as percentages without detailed analysis of potential associations or significance. The discussion effectively links the findings to broader issues but needs a more critical appraisal of limitations.
- **Conclusion and Implications:** Summarizes key points well but should emphasize actionable recommendations more explicitly.
- **Ethical Clearance:** No mention of ethical approval or informed consent procedures, which are essential for research involving healthcare professionals.
- **Language and Presentation:** The manuscript contains grammatical errors, typographical inconsistencies, and awkward phrasing. Improving overall language quality would enhance readability.
- **Tables, Figures, Formatting, References:** The textual presentation is generally clear, but formatting inconsistencies are evident. Including well-organized tables and figures could improve clarity. References are adequate but should follow a consistent citation style.