

Review Form 1.7

Journal Name:	South Asian Journal of Research in Microbiology
Manuscript Number:	Ms_SAJRM_111096
Title of the Manuscript:	Dissemination of Integron Class 1 among XDR isolates of P.aeruginosa in Najaf City
Type of the Article	

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	<p>Yes (The study presents a focused objective to investigate the occurrence of integron class 1 genes among XDR isolates of P. aeruginosa. It utilizes molecular methods (PCR) to screen for the presence of intl1 genes in clinical isolates, providing specific findings)</p> <p>Yes</p> <p>Not(comment section)</p> <p>No (in introduction the authors put 1.1 "Integrans" but there is no 1.2... in discussion 4.1.Integrans of Class one among XDR P.aeruginosa but there is no 4.2 ...). The way of using subsection is incorrect</p> <p>Yes if it is revised</p> <p>Yes</p>	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	No, it needs edition	
Optional/General comments	<p>Abstract</p> <p>Background and introduction: It lacks a detailed introduction providing contexts about the significance of integrons in antibiotics resistance. Sample size and selection: While it mentions that 79 specimens were isolated but there are no elaborations on the criteria for specimen selection.</p> <p>Objective lacks strength and it should be rewritten (" This study aims to investigate the prevalence of integron Class 1 genes among extensively drug resistance (XDR) strains of Pseudomonas aeruginosa")</p> <p>Methodology lacks details regarding the specific of the PCR assay beyond the use of the intl1 primer. Details about the PCR conditions, controls used, and any validation step taken to ensure accuracy and reliability of the result would be beneficial for the researcher looking to replicate the study.</p> <p>Conclusion in abstract is very poor.</p> <p>Key words: Unnecessary keywords wrote and you missed necessary keywords such as PCR, Najat,</p> <p>Over all comments</p> <p>Study area is not mentioned, its location and distance from the capital.</p> <ul style="list-style-type: none">- Lack of Comparative Analysis: The article lacks a comparative analysis with other regions or hospitals, limiting the understanding of whether the prevalence observed is unique to Najaf City or reflects a broader trend.- Missing Discussion on Clinical Impact: The research could benefit from discussing the clinical implications of the findings. How might the prevalence of integrons impact patient treatment or infection control strategies in the hospitals studied?- In-Depth Analysis of Resistance Genes: While the study identifies the presence of intl1 genes, it doesn't delve deeply into the specific antibiotic resistance genes carried within these integrons or	

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	<p>their variations, which could provide more detailed insights into the resistance profile.</p> <p>- Limited Discussion of Methodological Details: The methodology lacks comprehensive details, such as primer sequences, PCR conditions, and controls used, which are crucial for replication and validation by other researchers.</p> <p>3. Conclusion: - Although it summarizes the findings, the conclusion should be more specific about the ramifications and possible paths that the study's findings could take in the future.</p>	
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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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