

**Review Form 1.8**

Journal Name:	<b>Asian Journal of Research in Infectious Diseases</b>
Manuscript Number:	<b>Ms_AJRID_120110</b>
Title of the Manuscript:	<b>Antibiotic use in surgical departments: A cross-sectional study at the University Hospital Center-Yalgado Ouédraogo, Burkina Faso</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Is the manuscript important for scientific community? <i>(Please write few sentences regarding this manuscript to justify your answer)</i></p>	<p>Yes, the manuscript is important for the scientific community.</p> <div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <li>✓ <i>Addresses critical issue of antibiotic use and compliance in surgical departments in sub-Saharan Africa.</i></li> <li>✓ <i>Provides valuable insights into current prescribing practices.</i></li> <li>✓ <i>Highlights significant gaps between recommended guidelines and actual practices.</i></li> <li>✓ <i>Emphasizes the need for better adherence to antibiotic protocols.</i></li> <li>✓ <i>Supports development of localized guidelines to reduce antibiotic resistance and improve patient outcomes.</i></li> </ul> </div>	
<p><b>Is the title of the article suitable?</b> <i>(If not please suggest an alternative title)</i></p>	<p>Yes, The current title, "<b>Antibiotic use in surgical departments: A cross-sectional study at the University Hospital Center-Yalgado Ouédraogo, Burkina Faso,</b>" is suitable as it clearly indicates the focus of the study, the type of study conducted, and the location. However, a more concise and impactful alternative could be:</p> <p><b>"Evaluation of Antibiotic Prescribing Practices in Surgical Departments at CHU-YO, Burkina Faso."</b></p>	
<p><b>Is the abstract of the article comprehensive?</b></p>	<p>Yes, The abstract of the article is comprehensive as it provides a clear overview of the study's background, objectives, methods, results, and conclusions.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes, The subsections and structure of the manuscript are appropriate and follow a standard scientific format.</p>	
<p><b>Do you think the manuscript is scientifically correct?</b> <i>(Please write few sentences regarding this manuscript to justify your answer)</i></p>	<p>Yes, The manuscript is scientifically sound, employing a prospective cross-sectional design and clear methodology to evaluate antibiotic use in surgical departments. It presents comprehensive findings on antibiotic prescribing practices, discusses implications for improving adherence to guidelines, and adheres to ethical standards, ensuring robust scientific integrity.</p>	
<p><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p>	<p>The references provided cover a broad range of topics related to antibiotic prescribing practices, antibiotic resistance, and surgical site infections, which are relevant to the manuscript's focus.</p> <p>There are some references that are relatively old and could be considered for replacement with more recent studies (published within the last 5-7 years) to ensure the manuscript remains current:</p> <p style="text-align: center;"><b><u>OLD REFERENCES</u></b></p> <ul style="list-style-type: none"> <li>• <b>Reference 1:</b>  Robicsek A, Jacoby GA, Hooper DC. The worldwide emergence of plasmid-mediated quinolone resistance. <i>Lancet Infect Dis.</i> Oct 2006;6(10):629-40.</li> <li>• <b>Reference 3:</b></li> </ul>	

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	<p>Laxminarayan R, Duse A, Wattal C, Zaidi AKM, Wertheim HFL, Sumpradit N, et al. Antibiotic resistance-the need for global solutions. Lancet Infect Dis. Dec 2013;13(12):1057-98.</p> <ul style="list-style-type: none"><li>• <b>Reference 4:</b></li></ul> <p>Goossens H, Ferech M, Vander Stichele R, Elseviers M, ESAC Project Group. Outpatient antibiotic use in Europe and association with resistance: a cross-national database study. Lancet. 12 Feb 2005;365(9459):579-87.</p> <ul style="list-style-type: none"><li>• <b>Reference 5:</b></li></ul> <p>Eriksen HM, Chugulu S, Kondo S, Lingaas E. Surgical-site infections at Kilimanjaro Christian Medical Center. J Hosp Infect. Sept 2003;55(1):14-20.</p> <ul style="list-style-type: none"><li>• <b>Reference 9:</b></li></ul> <p>Patry I, Leroy J, Hénon T, Talon D, Hoen B, Bertrand X. Evaluation of antibiotic prescribing in a French university hospital. Médecine et Maladies Infectieuses. Jul 1, 2008;38(7):378-82.</p> <ul style="list-style-type: none"><li>• <b>Reference 16:</b></li></ul> <p>Lallemant S, Albin C, Huc B, Picard A, Roux C, Thomas A, et al. Antibiotic prophylaxis in surgery. Conformité des prescriptions en Franche-Comté par rapport au référentiel national. Annales de Chirurgie. June 1, 2001;126:463-71.</p> <p>To enhance the comprehensiveness and currency of the references, the following additions could be considered (Some suggestion references are provided. Author can use them if they found them suitable):</p> <ul style="list-style-type: none"><li>• <b><u>Recent studies or reviews on global trends in antibiotic resistance and prescribing practices, especially from sub-Saharan Africa.</u></b></li></ul> <ol style="list-style-type: none"><li>1. Kariuki, S., Kering, K., Wairimu, C., Onsare, R., &amp; Mbae, C. (2022). Antimicrobial Resistance Rates and Surveillance in Sub-Saharan Africa: Where Are We Now?. Infection and drug resistance, 15, 3589–3609. <a href="https://doi.org/10.2147/IDR.S342753">https://doi.org/10.2147/IDR.S342753</a></li></ol> <ul style="list-style-type: none"><li>• <b><u>Studies that specifically address antibiotic use in surgical settings, focusing on compliance with guidelines and impact on patient outcomes.</u></b></li></ul> <ol style="list-style-type: none"><li>1. Dhole, S., Mahakalkar, C., Kshirsagar, S., &amp; Bhargava, A. (2023). Antibiotic Prophylaxis in Surgery: Current Insights and Future Directions for Surgical Site Infection Prevention. Cureus, 15(10), e47858. <a href="https://doi.org/10.7759/cureus.47858">https://doi.org/10.7759/cureus.47858</a></li><li>2. Alahmadi, Y. M., Alharbi, R. H., Aljabri, A. K., Alofi, F. S., Alshaalani, O. A., &amp; Alssdi, B. H. (2020). Adherence to the guidelines for surgical antimicrobial prophylaxis in a Saudi tertiary care hospital. Journal of Taibah University Medical Sciences, 15(2), 136–141. <a href="https://doi.org/10.1016/j.jtumed.2020.01.005">https://doi.org/10.1016/j.jtumed.2020.01.005</a></li></ol> <ul style="list-style-type: none"><li>• <b><u>References that discuss strategies for improving antibiotic stewardship and reducing antibiotic resistance in hospital settings.</u></b></li></ul> <ol style="list-style-type: none"><li>1. Giamarellou, H., Galani, L., Karavasilis, T., Ioannidis, K., &amp; Karaiskos, I. (2023). Antimicrobial Stewardship in the Hospital Setting: A Narrative Review. Antibiotics (Basel, Switzerland), 12(10), 1557. <a href="https://doi.org/10.3390/antibiotics12101557">https://doi.org/10.3390/antibiotics12101557</a></li></ol>	
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	2. Hibbard, R., Mendelson, M., Page, S.W. et al. Antimicrobial stewardship: a definition with a One Health perspective. npj Antimicrob Resist 2, 15 (2024). <a href="https://doi.org/10.1038/s44259-024-00031-w">https://doi.org/10.1038/s44259-024-00031-w</a>	
<b>Minor</b> REVISION comments  <b>Is language/English quality of the article suitable for scholarly communications?</b>	Yes, the language and English quality are generally suitable for scholarly communications.  <ul style="list-style-type: none"> <li><b>LANGUAGE QUALITY:</b> THE LANGUAGE IN THE MANUSCRIPT DEMONSTRATES CLARITY AND PRECISION, BUT OCCASIONAL MINOR GRAMMATICAL ERRORS AND AWKWARD PHRASINGS ARE PRESENT.</li> <li><b>GRADE ON SCHOLARLY LANGUAGE PROFICIENCY ASSESSMENT (SLPA) SCALE:</b> B (GOOD)</li> </ul> <p><i>**This grade reflects a solid level of language proficiency suitable for scholarly communication, though some minor improvements (optional) could enhance clarity and flow.</i></p>	
<b>Optional/General</b> comments	<p><b>Strengths:</b></p> <ul style="list-style-type: none"> <li>✓ Comprehensive coverage of antibiotic resistance issues in surgical settings.</li> <li>✓ Well-structured sections and subsections that guide the reader through the topic.</li> </ul> <p><b>Suggestions for Improvement:</b></p> <ul style="list-style-type: none"> <li>✓ Ensure all abbreviations are defined upon first use.</li> <li>✓ Double-check consistency in formatting throughout the manuscript, especially with references.</li> </ul>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

Name:	<b>Sreedeep Dey</b>
Department, University & Country	<b>Vijaygarh Jyotish Ray College, Universtiy of Calcutta, India</b>