

ANSWER TO REVIEWERS COMMENTS

Title of Manuscript: Antimicrobial Resistance Patterns of Urinary Tract Infection Pathogens at Victoria Chitepo Provincial Hospital Laboratory from January to December 2023

Reviewer A

2. Remarks Summary: Presents the general idea of the topic, objectives, research methods, results and conclusions, written in an objective and concise manner; and are found according to the maximum number of words per section?

Comments 2. Poor

Answer to comment2: We agree with comment **poor**. Now correction were made. **See changes highlighted in green color under abstract section lines 6 to 31**

4. Remarks. Methodology: Describes the procedure, methods and techniques used in data collection and analysis

Comments 4. Poor

Answer comment 4: Thanks, now corrections were made .See correction **highlighted in green color under abstract section and methodology section lines 10-15,line 63-68, line 95-108**

6. Remark. Results: They are presented adequately and it is not redundant with tables or graphs shown.

Comments 6 :Poor Remarks :The data of the isolated microorganisms were tabulated separately and the percentage data were shown graphically. However, the number of tables and graphs is more than necessary. It would be more comprehensive to present all the data together in tabular form as (n%).

Answer to comments6: Thanks corrections were made. See result section were correction done in tables highlighted in green color under result section: **table line 137-138, table 2 line 158-159, and table 3: line 171-172**

Comments 7. Discussion: They present a level of critical analysis in correspondence with the problem presented. Purposes of the article, scope, support theory and proposed methodological design.

Comments 7 **Poor**

Answer Comments 7: see correction highlighted in green color under discussion section line 177-180, line 190-195, line 209-211, line 227-238, line 260-262

Comment 8: Remarks 8. Conclusions: Presents the author's inferences and teachings in relation to the investigated topic, it must correspond to the objectives of the study.

Comment 8: **Poor**

Answer to Comment 8: correction were made see line 284-292 under conclusion section highlighted in green color

Comment 8b. Remarks An important point that should not be overlooked is that the most important resistance mechanism in gram-negative bacilli such as E.coli, Kelbsiella pneumonia and Proteus, which are the most frequently isolated microorganisms in urinary tract infections, is the extended-spectrum beta lactamase enzyme and that this resistance pattern must be specified in antibiotic resistance studies. On the other hand, methicillin resistance is equally important in Staphylococci. These points were not mentioned in the study and current antibiotics were not included.

Answer comments 8b see correction made see lines 260-262, line 230-235, line 190-195

Comments 8c: Antimicrobial susceptibilities of isolated bacteria should be given by their resistance patterns,

Answer comment 8c: corrections were made see table 3, including their discussion under discussion section highlighted in green color

Remark: 10. Redaction. Is the manuscript correctly written? Does it contain any spelling or grammar mistakes?

Comment 10: **Requires a thorough assessment of grammar and spelling**

Answer comments 10: See correction throughout the manuscript highlighted in yellow color the grammar and spelling correction

Remark 11. Contributions. What are the main weaknesses of the manuscript and how the author can do to improve it?

Comment 11a: First of all, there are serious spelling errors, capitalization of species names in Latin, grammatical errors and unnecessary spaces. These need to be corrected and checked grammatically.

Answer comments 11 a : Grammars were corrected see changes highlighted in yellow color in the manuscript

Comment 11b: The study needs to include more method and analysis. Antimicrobial resistance mechanisms were not mentioned.

Answer comments 11b : the methods and analysis were mentioned see changes highlighted in green under methodology section line 95-108, antimicrobial resistance mechanism is mentioned line 230-235, line 260-262

Comments 11 c : Additionally, graphs and tables were prepared for each isolated species, causing an unnecessary table-graph crowd. This situation causes difficulty in evaluating and comparing data.

Answer comments 11c: data were grouped in form of tables and there is no duplicate, see table 1, 2, 3 under results section

REVIEW B

Remarks

2. Summary: Presents the general idea of the topic, objectives, research methods, results and conclusions, written in an objective and concise manner; and are found according to the maximum number of words per section.

Comments1 summary: Regular Remarks- Needs improvement in writing: syntax and grammar

Answer comments1: Summary is now improved see changes highlighted in color under abstract section line 6-31

Remark 3. Introduction: Presentation of the subject, justification of the problem, objectives, hypotheses and methodological foundation, exposing the subject in an orderly and detailed manner

Comments 3: **Poor** Remarks- Needs improvement in writing: syntax and grammar

Answer comments3: the syntax and grammar were amended. **See correction highlighted in color line 39-61 under introduction**

Comments 4. Methodology: Describes the procedure, methods and techniques used in data collection and analysis. Regular Remarks - **Needs improvement in writing: syntax and grammar**

Answer comments 4 : correction were made **and highlighted in color under methodology section**

6. Results: They are presented adequately and it is not redundant with tables or graphs shown.

Comments 6: Poor, Remarks - Needs improvement in writing: syntax and grammar

- Acronyms are placed without description of meaning

Answer comments 6: the redundancy is now solved only 3 tables summarized the finding **see table 1, 2 and table 3**, grammar was improved **see changes highlighted in color** under result section **line 118-175**, **see acronyms meaning: line 172-173**

Comments 7 and 8 : Discussion: They present a level of critical analysis in correspondence with the problem presented. Purposes of the article, scope, support theory and proposed methodological design.

Regular

Remarks
- **Needs improvement in writing: syntax and grammar**

8. Conclusions: Presents the author's inferences and teachings in relation to the investigated topic, it must correspond to the objectives of the study.

Regular

Remarks

- **Needs improvement in writing: syntax and grammar**

Answer comments 7 and 8 : syntax and grammar were improved **see changes highlighted in color under discussion section and conclusion**

Comments 10. Redaction. Is the manuscript correctly written? Does it contain any spelling or grammar mistakes?

Requires a thorough assessment of grammar and spelling

Answer comments10: we have improved the grammatical aspect **see changes highlight in the manuscript in color**

Comments 11. Contributions. What are the main weaknesses of the manuscript and how the author can do to improve it

- It is recommended to order text

Answer comments 11 : we have improved the grammatical aspect and ordered the text . **see changes highlight in the manuscript in color**