The antibiotics usage in fever after drainage removal in dural tears in lumbar surgery: a retrospective study

General Recommendation: Reconsider after major corrections

Comments to Editor:
The authors have been given requests to revise the manuscript.

Comments to Author:
The authors have presented a retrospective study from a single center of 198 cases of bacterial spinal meningitis associated with lumbar dural tear as a complication of lumbar spinal surgery to compare the effects of antibiotic prophylaxis. The authors are requested to revise the manuscript to make the content clearer.

Title and abstract
The authors have presented a retrospective study from a single center of 198 cases of bacterial spinal meningitis associated with lumbar dural tear as a complication of lumbar spinal surgery to compare the effects of antibiotic prophylaxis.

The authors are requested to revise the manuscript to make the content clearer.
1. Throughout the manuscript, please use standard medical terminology. Please write - dural tear - in full. This is because - DT - is the standard medical abbreviation for - delirium tremens. Please REMOVE the term - fever after drainage removal - FDR - and replace this with - postoperative infection - or - postoperative bacterial spinal meningitis.
2. Please make clear how you decided on the panel of antibiotics to use - ceftriaxone, vancomycin, ceftriaxone combined with vancomycin, and first/second-generation cephalosporin, and clindamycin, as there seems to be no rationale for antibiotic use.
3. Also, please make clear how you diagnosed the cause of infection in cases of bacterial spinal meningitis. Please provide the microbiology diagnostic details.
4. It is important to make clear that the decision for antibiotic use was based on microbiological diagnosis and antibiotic sensitivity testing, as non-evidence-based use of antibiotics is not recommended by current clinical guidelines, as this leads to antibiotic resistance.
5. Please read and follow the Instructions for Authors for this journal and format the manuscript and References correctly. This journal does not require numbering of the sections and subsections. See, - https://www.medscimonit.com/instructions.
6. A clear and descriptive Title is required. For example, - A Retrospective Study on the Use of Prophylactic Antibiotics to Prevent Surgical Site Infection Following Lumbar Dural Tear During Lumbar Spinal Surgery.
7. The Abstract should be no more than 250 words in length, all abbreviations should be defined when first used, and all significant results should be supported with a p-value.
8. The Background sub-section of the Abstract should state the aims of the study..... This retrospective study from a single center aimed to investigate the use of prophylactic antibiotics in patients with surgical site infection following lumbar dural tear during lumbar spinal surgery.
9. In the Methods subsection of the Abstract, clearly state the patient groups and the antibiotics used.
10. The Conclusions subsection of the Abstract should clearly state, - ..... The findings from this study showed that the use of prophylactic antibiotics did not affect the incidence of surgical site infection following lumbar dural tear as a complication of lumbar spinal surgery.
11. Please include Keywords using terms from the Medical Subject Heading (MeSH) database on the PubMed site (http://www.ncbi.nlm.nih.gov/mesh).

Introduction
12. In the main Background section, please support each statement of fact with a Reference citation.
14. Please end the main Background section with a statement of the aims of the study, - ..... Therefore, this retrospective study from a single center aimed to investigate the use of prophylactic antibiotics to prevent surgical site infection following lumbar dural tear during lumbar spinal surgery.
**Material and Methods**

5. Please begin the main Methods section with the Ethical statement that includes the Ethics Committee approval details.

16. Please write the content clearly and support the methods used with a Reference.

**Statistical Analysis**

**Results**

17. Please write the content of the Results section more clearly and provide data as the mean with standard deviation and provide p-values.

**Discussion**

18. The main Discussion section should begin by summarizing your findings. Then, compare your findings with the findings from previous similar studies.

19. The Discussion section must end with a paragraph that discusses the limitations of the study. Also, please discuss the limitations of the main methods.

**Conclusions**

20. The main Conclusions section should be clear and concise and should match the Abstract, - ..... The findings from this study showed that the use of prophylactic antibiotics did not affect the incidence of surgical site infection following lumbar dural tear as a complication of lumbar spinal surgery.

**Tables and Graphics**

21. The Tables and Figure legends should be added at the end of the manuscript, after the Reference list.

22. The Figure legends should have a clear and descriptive title. Each legend should clearly describe what is being shown in the Figure. All abbreviations should be defined when first used in each Figure legend, so that the reader can understand the Figures when looking at them individually and separate from the main manuscript.

23. Each Table should have a clear and descriptive title. All abbreviations should be defined in a footnote for each Table.

**References**

**General comments to the Authors**

The authors have presented a retrospective study from a single center of 198 cases of bacterial spinal meningitis associated with lumbar dural tear as a complication of lumbar spinal surgery to compare the effects of antibiotic prophylaxis.

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