Author's response to reviews

Title: Determinants of multi drug resistant tuberculosis in patients who took first line tuberculosis treatment in Addis Ababa: a case control study.

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Author's response to reviews: see over
Issue - Requesting to publish this manuscript on your journal

The research was entitled “Determinants of Multi drug resistant tuberculosis in patients who had taken first line anti TB treatment in Addis Ababa; a case control study”. Multi drug resistant tuberculosis (MDR-TB) is among the communicable diseases that have a devastating impact on individuals’ health and public health at large. The cost of treatment for MDR-TB is very expensive with poor treatment outcome and longer course of treatment. Furthermore diagnostic techniques and health facilities, which can be used for diagnosis and treatment of MDR-TB, are limited in most high burden MDR-TB countries. One can imagine how it is difficult to identify and treat MDR-TB patients in countries where well equipped health facilities are limited. So for a poor country like Ethiopia which stands 15th among the 27 high MDR-TB burden countries, prevention should be the first line intervention to combat the disease. So studying the determinants of Multi drug resistance tuberculosis will be an input for the effort. This study is believed to add on the existing knowledge about MDR-TB. Since the problem is shared by a number of nations globally, publishing the manuscript will allow experts to further elaborate their knowledge on the identified determinant factors of the infection. Finally language corrections that were made are attached to the letter.

Sincerely,

Selamawit Hirpa.
These changes were made

Title of the study- Capital letters changed to small letters except initial letters of the words.

- ‘Had taken’ changed to ‘took’
- ‘Anti-TB’ changed to ‘TB’

Abstract- reference that was written mistakenly was deleted.

- Objective – ‘had taken’ replaced by ‘took’

- Methods- ‘A’ was added before the word ‘structured’

- St.Peter hospital – “h” was capitalized.

- Results – ‘during first time TB treatment’ corrected to ‘during first course of TB treatment’

Background - First paragraph – ‘leading’ changed to ‘leads’

- First paragraph- ‘the’ is added in second and third line.

- Second paragraph- ‘a’ is added in the fifth line.

- Third paragraph- ‘first time TB treatment’ changed to ‘first course of TB treatment’

- Fourth paragraph- ‘s’ is added on the word population.

- Fifth line- ‘longer time of treatment’ changed to ‘longer treatment time’.

- Sixth line – ‘much’ is replaced by ‘many’.

- Seventh line- ‘more’ is cancelled.

- Ninth line- a ‘comma’ is added after a word ‘for example’
Methods part – study area and study design- second line ‘semicolon’ is deleted

- Fourth line - ‘the’ is added.
- Sixth line -‘s’ is added on the word ‘institution’.
- Seventh line-‘s’ is added on the word clinic.

Study setting - When mentioning each health center, ‘h’ and ‘c’ are capitalized

- Words like ‘which is located‘ is deleted which were written before mentioning each health center.

Eligibility of study participants – ‘h’ was capitalized on the word hospital.

-Second and fourth line -‘Had taken’ was replaced by ‘took’
- Fifth line - ‘and’ was added
- Sixth line - ‘and’ was replaced by ‘the controls’

Recruitment of study participants- the first letter ‘h’ is capitalized on the word ‘Hospital’

- Fourteenth line – a ‘comma’ is deleted after the word ‘individuals’ and before the word ‘participant’.
- Fourteenth line – ‘an’ is added before the word ‘interview’.

Data collection part- ‘an interviewer administered’ replaced by ‘a structured’.
-‘Information on’ was replaced by ‘the following variables’
-‘Collected from cases and controls’ was replaced by ‘included in the study Participant’.
Which includes

Encountered was replaced by occurrence of

(yes/No) was deleted

Second line – ‘s’ is added on the word chart

Third line – ‘a’ is added before the word screening

Fourth line – ‘a’ is added before the word day

Fifth line – ‘the’ is added before the word data

Data management and analysis – Fourth line - ‘was’ is replaced by ‘were’

Fifth line ‘a’ is added and ‘s’ is cancelled from the word controls

Ninth line- ‘the’ is added before the word multivariable

Twelfth line- ‘treatment’ is added after the word TB

Thirteenth line- ‘TB treatment’ is replaced by ‘course’.

Fourteenth line – ‘Mutually’ was replaced by ‘concurrently’

Results-first paragraph - second line- ‘Percent of’ is added and ‘years changed to year

Second paragraph – second line -‘s’ is added on the word episode

Third paragraph- second line- ‘s’ is added on drug side effect.

Third paragraph- seventh line- ‘s’ is added on a word month, the word duration was deleted and anti-TB is replaced by treatment

Third paragraph- tenth line- perceived is replaced by ‘perception’.

Fourth paragraph- first line- ‘coma’ is added before the word factors and a word those is inserted before the word which.
- Fourth paragraph- third line- ‘s’ is added on the word ‘drug’.

- Fourth paragraph- fifth line –‘s’ is added on the word ‘effect’ and ‘the’ is added before the word ‘first’

- Fourth paragraph-eighth line- ‘up’ is deleted and‘s’ is added on the word month.

- Results before adjusting for potential confounding variables were omitted.

Discussion part -First paragraph- fifth line ‘the’ is added before the word ‘first’ and ‘time’ is replaced by ‘course’.

- Second paragraph- fourth line- a’ comma’ is added after the word ‘females’ and the word ‘and’ replaced by ‘thus’.

-Third paragraph- first line- an article ‘a’ is added

- Third paragraph- sixth line- ‘become cured’ is replaced by ‘result in cure’

- Fourth paragraph- first line- ‘not being ever’ is replaced by ‘never being’ and the word ‘that’ is added.

- Fourth paragraph- third line- the word ‘conditions’ was deleted and a word ‘and’ is added.

- Fifth paragraph- second line- a word ‘their’ is added.

- Fifth paragraph ‘this is supported’ replaced by ‘consistent to this study’ and ‘showed that’ is added on fourth line.

- Fifth paragraph- fifth line- ‘is ‘replaced by ‘was’.

- Fifth paragraph- sixth line – ‘the’ is added before the word appropriate.

- Fifth paragraph- seventh line- the word ‘besides’ is replaced by ‘further more’

- Fifth paragraph- eighth line – the word ‘ chance’ is replaced by ‘opportunities’
Conclusion part - sixth line- the word ‘disease’ is deleted

- Conclusion part- eighth line- ‘s’ is added on the word ‘program’ and the word ‘level’ is cancelled

- Conclusion part- tenth line- the word ‘prioritize’ changed to ‘prioritizing’.

Acknowledgment - some changes made on this part