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PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 68865

Title: Ethambutol-induced optic neuropathy with rare bilateral asymmetry onset: a case report

Reviewer's code: 05937294

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Research Assistant Professor

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2021-06-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-07 13:35

Reviewer performed review: 2021-06-07 16:30

Review time: 2 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

There is a valuable report regarding bilateral ethambutol-induced optic neuropathy. There are a few major issues that should be addressed by the authors before consideration for publication: 1. Please add the full term of abbreviations for the first time in the abstract. OCT (line 31), RNFL (line 31), and GCIPL (line 32). 2. Did the patient have a history of reading green color (like the color of traffic light) or this was the first presentation? I asked it since deuteranopia is the most common type of dyschromatopsia. 3. The authors should explain why their findings make a difference for ophthalmologists around the world and the readers of the World Journal of Clinical Cases? What is your opinion about periodic ophthalmologic follow-up among those who were managed with ethambutol? Or did you suggest the taper to D/C ethambutol in order to prefer the withdrawal-related symptoms? 4. What is your recommendation for infectious disease specialists? Do you think informing the patients about the ophthalmological side effects of ethambutol should be made in mind more seriously? More minor issues that should be addressed include: 1. Case presentation, line 91, the word "examination" doesn't agree in number with other words in this phrase. Change it to "examinations". 2. Case presentation, line 97, the verb "are" doesn't seem to agree with the subject. Consider changing it with "is". 3. Discussion, line 138, the verb "vary" doesn't seem to agree with the subject. Consider changing it with "varies". 4. Discussion, line 146, it appears that the singular verb "was" doesn't agree with the pleural compound subject "color vision dysfunction and visual field defects". Consider changing the verb to the plural form of "were". 5. Discussion, line 147, the word "slightly" doesn't seem to fit this context. Consider replacing it with "slight". 6. Discussion, line 152, you are missing a verb before "attributed". Consider adding it and use "was attributed".

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 68865

Title: Ethambutol-induced optic neuropathy with rare bilateral asymmetry onset: a case report

Reviewer's code: 05466290

Position: Editorial Board

Academic degree: MSc, RN

Professional title: Director, Research Scientist, Senior Lecturer, Senior Researcher

Reviewer's Country/Territory: Qatar

Author's Country/Territory: China

Manuscript submission date: 2021-06-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-07 08:16

Reviewer performed review: 2021-06-07 21:20

Review time: 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

This is a case report that highlighted a rare case of EON with very rare asymmetric clinical manifestation of both eyes and observed the development of visual function and retinal nerve fiber structure after drug withdrawal. - The manuscript within the journal's scope. - This study is well designed, executed and presented. It makes important points which are widely applicable. - The conclusion is consistent with the evidence presented - The discussion is relevant - References are up to date and relevant. - Figures are well presented Line no 15: no need for "According to previous studies" Lines 31 - 32: please mention the full abbreviation for the terms mentions for the first time such as RNFL, OCT, and GCIPL

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 68865

Title: Ethambutol-induced optic neuropathy with rare bilateral asymmetry onset: a case report

Reviewer's code: 05691230

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Portugal

Author's Country/Territory: China

Manuscript submission date: 2021-06-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-07 07:30

Reviewer performed review: 2021-06-08 02:03

Review time: 18 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

It is an interesting case report of asymmetrical ethambutol-induced optic neuropathy. Although a clear cause-effect relation is not demonstrated, it seems at least plausible. It is interesting to see changes in the external retinal layers and I recommend further exploring this finding. I have some specific comments on the paper: Medical writing should be revised as some terms used are not scientific. Examples: - "...EON was most commonly manifested by bilateral..." page 2. I suggest using the present and the term "manifests by" - "...eyes attacked successively..." page 2 - "...visit to the doctor..." page 12 - "...lots of mitochondria ..." page 8 "OCT can help us ... determine the prognosis". page 3. How can OCT determine the prognosis? If so, it should be discussed in the full text. If not, this should be removed "There was no family history of ocular disease." page 4. In whom? It would be interesting to better clarify family history (not just the son but also the parents and other ascendants) to help exclude hereditary genetic neuropathies. "difficulty in reading green color plates" page 4. I recommend specifying which colour plates. Ishihara? "SATA-FAST" page 4. Do you mean SITA-Fast? "Color vision examination revealed red and green blindness in both eyes." "...The ellipsoid zone contains lots of mitochondria and may also be susceptible to ethambutol toxicity..." page 8, this is an interesting fact and it should be better explored. I recommend citing a paper that objectively quantify mitochondriae in the external layers. Figure 4: I recommend showing a scan segmented in the GC+IPL What do you think are the reasons for the asymmetry in this case?

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 68865

Title: Ethambutol-induced optic neuropathy with rare bilateral asymmetry onset: a case report

Reviewer's code: 03816788

Position: Peer Reviewer

Academic degree: FACS, FICS, MBBS, MS

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2021-06-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-09 06:33

Reviewer performed review: 2021-06-11 14:30

Review time: 2 Days and 7 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Nicely written manuscript. Some inputs are: 1. Incorporate the rationale of reporting this particular case in Introduction. 2. thoracic tuberculosis- there are many types, be specific which organ was involved. 3. He received 3 anti-tubercular drugs. Can authors distinguish between the intensive and continuation phase here ? 4. Exact dates not needed, the timeline should be clear. 5. "History of renal dysfunction and renal hypertension"- Provide value of Kidney function and BP. 6. Ethambutol dose adjustment was done or same dose was given over the entire period ? 7. "rat nerve growth factor" Rationale of its use, is it standard treatment in such conditions ? 8. Duration of treatment by the ophthalmologist ?? 9. "time-dependent adverse effect" What is the average time of development of Ethambutol-induced optic neuropathy ? 10. "In >60% of patients with EON, ocular examination reveals bilateral, painless, and typically symmetric loss of visual acuity and abnormal color vision" Does the author means, rest (40%) are asymmetric ? If it is this much, then it is common. Elaborate further. 11. OCT full form must be listed once in manuscript. 12. Discussion is essentially about this case only. Some more asymmetric cases and their pattern or comparison with current case should be added. It also lacks on various treatment options. 13. Conclusion- Whereas the title and manuscript focusses on "asymmetric" involvement, the conclusion does no justice to "asymmetric involvement"

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 68865

Title: Ethambutol-induced optic neuropathy with rare bilateral asymmetry onset: a case report

Reviewer's code: 06044780

Position: Peer Reviewer

Academic degree: PhD

Professional title: Consultant Physician-Scientist, Doctor

Reviewer's Country/Territory: Spain

Author's Country/Territory: China

Manuscript submission date: 2021-06-07

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-06-07 08:22

Reviewer performed review: 2021-06-11 21:45

Review time: 4 Days and 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The article describes a case-report of a bilateral asymmetric toxic optic neuropathy. Title perfectly reflects the content of the article. Abstract is clear and briefly describes the main characteristics of the reported case. In the background section, " ... the development of visual function..." may be corrected for "the changes of visual function...". Best corrected visual acuity is described as a ratio (eg. 20/50) followed by a decimal number, (eg 4.6) which is not necessary as the first fractional number appropriately defines visual acuity.