

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 78270

Title: Relationship of familial cytochrome 50 4V2 gene mutation with liver cirrhosis:
Case report and literature review

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02567669

Position: Editorial Board

Academic degree: MD

Professional title: Emeritus Professor

Reviewer's Country/Territory: Germany

Author's Country/Territory: China

Manuscript submission date: 2022-06-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-19 07:39

Reviewer performed review: 2022-06-24 19:13

Review time: 5 Days and 11 Hours

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|--------------------|---|
| 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 Grade E: Do not publish |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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |
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SPECIFIC COMMENTS TO AUTHORS

The case and the family history is very interesting. The analysis of the underlying mutation is correct. However, even if I am not a native speaker, I think the written presentation should be considerably improved. E.g. Page 6: Hemochromatosis is the most common GLD, but there are more than 600 other kinds of confirmed GLDs, such as hepatolenticular degeneration, hereditary hemochromatosis, glycogen storage disease, α 1-antitrypsin deficiency, hereditary hyperbilirubinemia, Dubin-Johnson syndrome, Rotor syndrome, hereditary hyperbilirubinemias, and congenital liver fibrosis [7] Page 8: following treatment for liver preservation and with a diuretic. What does that mean? Page 9: The thyroid function tests indicated a decreasing level of T3, and an increasing level of thyroid stimulating hormone (TSH), gradually leading to hypothyroidism. . This is difficult to understand Page 10: Color Doppler ultrasonography of the thyroid showed bilateral glioceles. What is that glioceles? Page 10: Please explain Li Fanta Test Discussion: The interpretation of the results seems to be correct. However, the text of the "Discussion" section must be shortened.

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Reviewer's code: 02539765

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2022-06-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-17 12:48

Reviewer performed review: 2022-06-26 00:30

Review time: 8 Days and 11 Hours

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|--------------------|---|
| 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection |
| Re-review | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |



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| 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 |
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SPECIFIC COMMENTS TO AUTHORS

This case shows a link between the CYP4V2 mutation and liver cirrhosis, although a causal association, which most certainly exists here, cannot be established. A liver biopsy might have been helpful, but the patient refused, as the authors have already acknowledged. I have no other pertinent criticism to add. The writing is precise and well-organized, and the English is excellent. I believe it to be a case worth publishing.

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Peer-review model: Single blind

Reviewer's code: 05040484

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Doctor, Professor, Research Scientist

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2022-06-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-06-20 12:04

Reviewer performed review: 2022-07-03 16:17

Review time: 13 Days and 4 Hours

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|---------------------------|---|
| 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 |
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| Re-review | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

| | |
|-------------------------------------|---|
| Peer-reviewer statements | Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No |
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SPECIFIC COMMENTS TO AUTHORS

This is an interesting case, but I have a few comments: 1) In Core tip “CYP4V2 functions in hepatic lipid metabolism and inflammatory responses. “ - there is no verb in the sentence; 2) “The specific history of a patient and liver biopsy results can help to identify common liver diseases, such as autoimmune liver disease, drug-induced liver damage, and non-alcoholic fatty liver disease.” - it should be added that the results of laboratory tests are also an important basis in the differential diagnosis of liver diseases; 3) “Cryptic cirrhosis (CC) can persist after systematic clinical, laboratory, and pathological examinations of liver disease with unknown etiology.” - the sentence should be revised because it implies that examinations does not (and should not!) cure cryptic cirrhosis; 4) tables should be numbered as they are mentioned in the article; 5) “with positive dullness” - may be «positive test for shifting dullness” since dullness (liver, spleen) is always present in the abdomen, but unlike ascites, they do not shift when the position of the body changes; 6) Case description is too long, it should be shortened

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Professional title: Assistant Professor, Doctor, Professor, Research Scientist

Reviewer's Country/Territory: Russia

Author's Country/Territory: China

Manuscript submission date: 2022-06-17

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2022-08-04 08:13

Reviewer performed review: 2022-08-04 12:58

Review time: 4 Hours

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| 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 |
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| Peer-reviewer | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous |



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

No comments

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Author's Country/Territory: China

Manuscript submission date: 2022-06-17

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2022-08-04 08:27

Reviewer performed review: 2022-08-04 13:52

Review time: 5 Hours

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| 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 |
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statements

Conflicts-of-Interest: [☒] Yes [☐] No

SPECIFIC COMMENTS TO AUTHORS

The authors have addressed all issues. The manuscript can be published in the presentform