



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 66378

Title: False positive of anti-immunoglobulin M hepatitis A virus in autoimmune hepatitis/primary biliary cholangitis overlap syndrome: A case report

Reviewer’s code: 05844242

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer’s Country/Territory: United States

Author’s Country/Territory: China

Manuscript submission date: 2021-04-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-10 16:36

Reviewer performed review: 2021-04-10 18:25

Review time: 1 Hour

Scientific quality	[<input checked="" type="checkbox"/>] Grade A: Excellent [<input 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] Grade E: Do not publish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 checked="" type="checkbox"/>] Accept (High priority) [<input type="checkbox"/>] Accept (General priority) [<input 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



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SPECIFIC COMMENTS TO AUTHORS

First, I would like to commend the author and co-authors for the work done. This case illustrating that the possibility of false-positive results with the anti-HAV IgM assay should be kept in mind. I agree with the author and co-authors on their findings, especially, the possibility of getting false positives in the event of polyclonal activation of B-lymphocytes. False-positive results may be due to cross-reactive antibodies from other viral infections or underlying illnesses (such as non-Hodgkin lymphoma). It, therefore, means we need to pay more attention to other things like correlating the positive results with the patient's clinical history and epidemiologic exposure, HAV RNA result, NAAT, and to take into account the time into the primary infection that the test was done. A virus (HAV) IgM antibody can also be shown to be false positive by immunoprecipitation of IgG from serum. In some cases I have seen, the mechanism for the false-positive result may have been related to marked hypergammaglobulinemia, and serum obtained after normalization of immunoglobulin levels may test negative. This case illustrating that the possibility of false-positive results with the anti-HAV IgM assay should be kept in mind in clinical practice. Thank you once again.



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 66378

Title: False positive of anti-immunoglobulin M hepatitis A virus in autoimmune hepatitis/primary biliary cholangitis overlap syndrome: A case report

Reviewer’s code: 05393097

Position: Peer Reviewer

Academic degree: MD

Professional title: Staff Physician

Reviewer’s Country/Territory: Taiwan

Author’s Country/Territory: China

Manuscript submission date: 2021-04-10

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-04-12 12:07

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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 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



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SPECIFIC COMMENTS TO AUTHORS

This is an interesting case report that have educational value for the readers. I have several questions regarding this case report:

1. The title, abstract, and the introduction, the authors mentioned of "Anti-IgM HVA" In the case report and the discussion, the authors mentioned of "anti-HAV IgM" They may want to unify the word to make the meaning more consistent
2. According to the 2020 AASLD guideline (the 1st reference in the author's manuscript) there are two types of autoimmune hepatitis, could the authors describe more on this case, type 1 or type 2? based on what examination results? By the way, what's the ANA result of this patient?
3. I suggested to add the figure to highlight the change of laboratory results of the patient (e.g., the case report of false-positive hepatitis A during EBV infection as the authors mentioned <http://dx.doi.org/10.1136/bcr-2018-228356>)