

There are three issues in the manuscript that were raised in the peer-review reports and my answers are as follows:

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.

Answering: "Anti-IgM HVA" and "anti-HAV IgM" were unified to "anti-HAV IgM" in the revised manuscript.

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?

Answering: AIH is subdivided into type 1 and type 2, depending on the autoantibody profile: AIH-1 is characterized by positivity for anti-nuclear antibody (ANA) and/or anti-smooth muscle antibody (SMA), while AIH-2 is characterized by anti-liver kidney microsomal antibody type 1 (anti-LKM1) and/or anti-liver cytosol type 1(anti-LC1)¹. It occurs with the higher frequency of type 1 in adults, while the higher frequency of type 2 in children². AIH-PBC overlap syndrome was seen in adults (not children) in AIH-1, but not reported in AIH-2 (table 3 in 2020 AASLD guideline). Unfortunately, I have not found any relevant literature. Based on the age of onset and ANA (1:100) in autoantibodies re-checking, we conclude that

this patient was AIH-1. And I have added the results of the autoantibodies to Figure 1 according to the suggestion.

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>)

Answering: Thanks for the suggestion. I have added the significant laboratory results of the patient to Figure 1 in the revised manuscript

References:

1. Czaja AJ, Manns MP. The validity and importance of subtypes in autoimmune hepatitis: a point of view. *Am J Gastroenterol.* 1995;90(8):1206-1211.
2. Muratori P, Granito A, Pappas G, Muratori L, Lenzi M, Bianchi FB. Autoimmune liver disease 2007. *Molecular Aspects of Medicine.* 2008;29(1-2):96-102. doi:10.1016/j.mam.2007.09.009