Reviewer's report

Title: Absence of inferior vena cava in 14-year old boy associated with deep venous thrombosis and positive Mycoplasma pneumoniae serum antibodies- a case report.

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Reviewer: Shogo Hayashi

Reviewer's report:

The authors read all the reviewers' comments carefully and made appropriate changes in the revised manuscript. Their efforts should be applauded.

Minor Essential Revisions

1) The quality of Fig. 1 is certainly much improved. However, the drainage veins of the left and right renal veins are still unclear. If the inferior vena cava (IVC) of this case was actually absent distally to the hepatic veins, the renal veins could not flow the IVC, but had to flow whether the azygos, hemiazygos, lumbar (i.e. paraspinal) vein, or even the iliac vein. As these findings are so crucial for interpretation of this case from the anatomical and embryological viewpoint, they should be stated and shown in another figure. Even if they could not be identified till the last, the authors should record the fact with reason.

2) l.64 CT and MRI should not be used without explanation.

3) l.115 This sentence should be written in preterit tense.

4) ll.145-147 The preceding knowledge should be written with reference even when it has already stated in Background. e.g. that AIVC is rare, that AIVC is the risk factor for deep venous thrombosis, and that deep venous thrombosis occurs predominantly in young adults.

5) ll. 146-147 When the authors make an assertion that there are only few (note it might NOT be "a few") descriptions on anything, it should be with citation of them all.

6) l.150 The meaning of "such" cases should be stated more concretely; presumably it must be DVT due to AIVC. If so, same as comment 4), this description needs some references.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests.