

Peer Review File

Article information: <https://dx.doi.org/10.21037/tp-23-574>

Reviewer A

This case report provides very interesting and unique result about the possible genetic background of intrahepatic bile duct dilatations particularly associated with Caroli syndrome. However, one major concern is the lack of evidence and firm interpretations of the relationship between the heterogenous mutations in the WDR19 gene and the development of Caroli syndrome. Since the secure proof will not be given to readers, I suggest the previous findings about the genetic backgrounds of the Caroli disease or syndrome be demonstrated in details in the Discussions.

Reply: Thank you for your valuable suggestions, which have proven to be immensely beneficial. We have provided a comprehensive overview of the genetic background pertaining to Caroli's disease and syndrome in both the introduction and discussion sections, thereby enhancing the overall coherence of our article. Additional content has been incorporated on page 4, lines 98-101 and 103-105, as well as on page 7, lines 109-204. Furthermore, we have decided to omit Figure 1.

Minor points

There are too many figures in the manuscript. I think that not a few figures can be deleted. In addition, figure legends are redundant and duplicate to the descriptions in the manuscript. They should be straight-forward.

Reply: Thank you for your valuable suggestions. Based on your input and the content of the article, we have removed the images, eliminated redundant sections, and annotated the affected areas.

I can see some duplicate sentences in the manuscript (For example, lines 184-186 and 215-216). They should be organized properly and refined through the entire manuscript.

Reply: Thank you very much for your suggestion to simplify the content in the article

In figures, the arrows and arrow heads need to be used to specify the important part of the images. In the current form, readers could not focus what the figure legends or the manuscript demonstrate.

Reply: Thank you very much for your suggestion, we have added arrows to the

important part of the picture

Reviewer B

Caroli disease should be noted because it can be missed by physicians who do not specialize in renal disease. However, it is not an uncommon disease for many pediatricians and pediatric surgeons.

Reply: Thank you for your valuable suggestions