

Manuscript NO: 36022

De-novo Hepatocellular Carcinoma after Pediatric Living Donor Liver Transplantation

Name of journal: World Journal of Hepatology

Dear Editor and Reviewers,

Thank you for your comments concerning our manuscript. These observations are all valuable and very helpful for revising and improving our manuscript. We have reviewed the comments carefully and made the necessary corrections. Corrections are marked in red in the manuscript.

Reviewer # 1

What is the anti-HBcAb result? De novo malignancy is well known after solid organ transplant and it has little new knowledge adding to the current literature.

1. What is the anti-HBcAb result?

Two evaluations of the anti-HBcAb were taken. One at the time of the HCC diagnosis and a second one a year before. Both results were "NEGATIVE". This information was added to the manuscript.

2. De novo malignancy is well known after solid organ transplant and it has little new knowledge adding to the current literature.

We are reporting the first de-novo HCC after a pediatric living donor liver transplant. Even though de-novo malignancy is well known after solid organ transplant, reports about de-novo HCC after liver transplantation are limited. All but one of the reported cases had a positive previous history of viral serology, which likely drove tumorigenesis. Our case represents the development of an HCC in a different setting (advanced hepatic fibrosis without any underlying viral disease or other chronic infection). Moreover, this case report suggests the need for protocols for post-LT screening and surveillance, as current approaches are not uniform amongst centers as there is a general lack of evidence base for deciding on a specific protocol.

Reviewer # 2

This manuscript is a case report of one patient who developed de-novo HCC following a pediatric living related donor liver transplantation. The authors described that this is the first report of de-novo HCC after a pediatric living related donor liver

transplantation without the presence of hepatitis B or C. The report is well documented and written. Otherwise, no new information was presented. Figure 1 may be deleted. Most of the last paragraph of the discussion should be deleted, since it is repetition of previous information.

1. Figure 1 may be deleted

Figure 1 was deleted.

2. Most of the last paragraph of the discussion should be deleted, since it is repetition of previous information.

The last paragraph was modified and most of the information was deleted to avoid repetition.