

Manuscript Number: 56425

Keyu Li, et al: "Primary hepatic myelolipoma: A case report and literature review".

Response to Reviewers:

Firstly, we would like to express our great appreciation to all the reviewers for suggesting how to improve our paper. Those comments are valuable and helpful for revising and improving our manuscript.

We have studied all the comments carefully and have made correction that hope meet with approval. Revised portion are marked in red in the paper. The main corrections in the paper and the responds to the reviewer's comments are as following:

Reviewer #1:

Minor points 1. The author reported that tumor is located in right liver, however, tumor located in S4, left side of the GB in the picture.

Response: Thanks for your professional comment, it is really a big problem. We double-checked our raw data, and the tumor was located on segment 4 of the left liver. Maybe we were all focused on the discussion chapter when we prepared this manuscript so that made this big mistake. We have revised the whole manuscript, and sure that everything is correct now.

Minor points 2. This is a very rare tumor report, therefore, the author should describe imaging patterns in dynamic CT in detail.

Response: Thanks very much for your comment. In the revised manuscript, we added the description about the dynamic CT from line 81 to 85.

Minor points 3. Types of the surgical resection should be described. Laparoscopic partial resection of S4?

Response: Thank you so much for your careful review. We were plan to perform a needle biopsy at first because we suspect this a benign tumor, however, the patient herself denied our suggestion and required a complete resection of the whole tumor. After discussing with the patient, we finally performed a laparoscopic non-anatomic hepatectomy to only remove the tumor and keep the remaining S4 as much as possible. We have added this part in the revised manuscript, under the 'Treatment' chapter.

Minor points: 4. There is a discrepancy between CT findings and angiography. The authors mentioned that the tumor is hypervascular, but CT seems not so hyper vascular. Furthermore, the tumor is smooth round shape in CT and US, however, it is irregular shape in angiography. It lacks consistency.

Response: Thank you so much for your careful review. The tumor is hypervascular, maybe the figure we picked did not well-reflect this property. We have changed the last figure in Figure 1, which showed a higher layer of the tumor on dynamic CT scan demonstrating a stronger center intensifies. As for the angiography figures, they only demonstrate the blood supplies within the tumor, but not the other structure like the abundant adipose tissue. That is the reason why the tumor is smooth but looks irregular under angiography.

Minor points 5. Discussion should be done for the indication of the surgical resection. This is a young woman and tumor is not malignant, so, biopsy and follow-up is the best choice for her.

Response: Thanks for your suggestion. We agree this patient would benefit more from a needle biopsy and follow-up medical surveillance. We would do that without hesitation if the patients take our advice. The surgical indications were discussed in the 'Treatment' part under 'Discussion', start from line 172. We double mentioned the reason why we performed an operation in this case instead of needle biopsy at the end of this paragraph in the revised manuscript.

Minor points 6. In conclusion, criteria must be deleted. This criteria can distinguish MH and lipoma?, is it true the tumor only located in right lobe? They are non-specific informations.

Response: Thank you so much for your professional comment. We have rewritten this part, removed the criteria, and made a summary instead.

Minor points 7. In table, left/right liver lobe is not correct word. Left liver or left hemi-liver is correct. See the nomenclature published by Strasberg et al. 2005 JHBPS (PMID16258801)

Response: Thank you so much for your careful review, we are very sorry for our incorrect writing. The manuscript has been thoroughly checked and revised.

Yours sincerely

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