

We appreciate for you kind reviews and thoughtful comments. We revised our manuscript in accordance with your comments and suggestions as follows.

Reviewer 1

The authors reviewed diagnostic imaging of gallbladder diseases. Discussed diseases ranged from inflammation to cancer, including rare conditions such as gallbladder varices. The contents of this review were informative and useful for the clinicians. There are a couple of contrast medium available of CEUS. If contrast medium for CEUS was described, readers would be able to evaluate the photos of CEUS corresponding to the medium.

- According to your suggestion, we added more information regarding the US contrast agents in the revised manuscript. We also described the used US contrast agent in the legends of Figure 3 and 4 (Page 7, Lines 4-12, Figure 3, and Figure 4).

The authors stated that HR-US was an advanced technique. It would be helpful to expand the explanation of HR-US.

- Per your suggestion, we added more explanation for HRUS in the revised manuscript (Page 7, Lines 15-23).

Figure 3. Were there any photos of surgical specimens, such as H&E staining? The stalk of lesion protruding to the lumen of gallbladder seemed absent with structure of the gallbladder wall. The lesion seemed to invade the wall of gallbladder. If invasion was the case, it was appropriate to diagnose gallbladder cancer.

- As we described in Figure 3 legend, cholecystectomy was performed and adenoma was diagnosed and there was no evidence of adenocarcinoma. However, we could not obtain the figure of H&E staining due to poor condition of the pathology slide. To avoid the reader's confusion regarding the gallbladder wall invasion as you mentioned, we changed the figure of

CEUS (Figure 3C).

Gangrenous cholecystitis is a problem because it is sometimes fatal. Hallmark of the diagnosis of gangrenous cholecystitis would be helpful for the readers. If possible, please emphasize useful information, or tips, for the prompt and correct diagnosis of gangrenous cholecystitis.

→ We revised our manuscript and added several references regarding the diagnosis of gangrenous cholecystitis (Page 15, Lines 9-20).

Figure 8. Were there any photos of ultrasonography? In adenomyomatosis of gallbladder, it was often possible to illustrate cystic lesion corresponding to RA sinus in the location of adenomyomatosis. Ultrasonography is easy and usually performed as screening prior to CT or MRI.

→ We agree with your opinion regarding the role of ultrasonography for adenomyomatosis. Unfortunately, ultrasonography was not performed in several cases of our Figures (Figures 8, 9, 12, and 13) for various reasons. In this case, the patient was referred to our institution after ultrasonography was performed at outside hospital.

Figure 9. Were there any photos of ultrasonography? Ultrasonography is expected to be useful for many readers for their daily clinical work. The section of ADC map did not seem to match that of DWI. Were there any photos of surgical specimens, such as H&E staining?

→ Ultrasonography was not performed also in Figure 9. In this case, because the gallbladder lesion was detected on follow-up CT after the stomach cancer operation, MRI was performed for further evaluation.

→ As your comment, we changed the ADC map matching with DWI and added H&E staining (Figure 9F) in new Figure 9. Thank you for useful comment.

Figure 10. Were there any photos of ultrasonography?

→ Unfortunately, ultrasonography was not performed.

Figure 11. Were there any photos of ultrasonography? Was MRCP performed? How would the author think about liver invasion of the gallbladder cancer? The section of ADC map did not seem to match that of contrast-enhanced CT and DWI. Were there any photos of surgical specimens, such as H&E staining?

→ Unfortunately, ultrasonography was not performed. However, as your comment, we added MRCP (Figure 11C) and changed DWI and ADC map (Figure 11D and 11E) matching with contrast-enhanced CT image. Additionally, we added H&E staining as Figure 11F.

Figure 12. Were there any photos of ultrasonography?

→ Unfortunately, ultrasonography was not performed.

Figure 13. Were there any photos of ultrasonography?

→ As your comment, we included ultrasonography images as Figure 13A and 13B.

Reviewer 2

This article is a systematic and detailed discussion on Imaging techniques and tips for differentiating with malignant Gallbladder Diseases

→ Thank you for your kind review.