Reviewer’s report

Title: Combination of CEUS and MRI for the diagnosis of periampullary space-occupying lesions: a retrospective analysis

Version: 0 Date: 30 Jul 2019

Reviewer: Takahito Nakajima

Reviewer's report:

The authors applied magnetic resonance imaging (MRI), contrast-enhanced ultrasound (CEUS), and the combination of CEUS and MRI (CCWM) for a periampullary space-occupying lesion (PSOL), which they also described as a periampullary cancer (PAC). They concluded that "CCWM is valuable for differentiating benign and malignant PSOL".

However, this study included various types of diseases in both benign and malignant lesions. The range of disease was too wide to show the difference among lesions statistically. They tried to categorize the image findings on MRI as described in page 9. However, there were no descriptions of scoring.

In conclusion, the authors' manipulation of the data and statistical investigations did not contribute to achieving the stated purpose of the current study. The materials and methods need to be carefully reconsidered.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
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I am able to assess the statistics

Quality of written English
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Acceptable

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