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Dear Editor-In-Chief, Reviewers #1 and #2,

December 10, 2017

We greatly appreciate your careful reviews and fruitful comments for our manuscript entitled "Preliminary study of automatic gastric cancer risk classification from photofluorography".

We have carefully studied each Reviewer's comments and revised our manuscript.

We submit our revised manuscript with the response sheet.

Finally, we greatly appreciate Editor-In-Chief and the Reviewers' constructive comments again.

Yours sincerely,

Ren Togo, Kenta Ishihara, Katsuhiko Mabe, Harufumi Oizumi, Takahiro Ogawa,
Mototsugu Kato, Naoya Sakamoto, Shigemi Nakajima, Masahiro Asaka, Miki Haseyama

Response to Reviewer #1's Comments

Ren Togo, Kenta Ishihara, Katsuhiko Mabe, Harufumi Oizumi, Takahiro Ogawa,
Mototsugu Kato, Naoya Sakamoto, Shigemi Nakajima, Masahiro Asaka, Miki Haseyama

Dear Reviewer #1:

Thank you for your comments concerning a manuscript entitled "Preliminary study of automatic gastric cancer risk classification from photofluorography", which we submitted for publication in World Journal of Gastrointestinal Oncology.

Conclusion: Accept.

Peer-review report.

A manuscript with something to learn and interesting to read.

Response.

Thank you for your review and kind comments for our manuscript.

Response to Reviewer #2's Comments

Ren Togo, Kenta Ishihara, Katsuhiko Mabe, Harufumi Oizumi, Takahiro Ogawa,
Mototsugu Kato, Naoya Sakamoto, Shigemi Nakajima, Masahiro Asaka, Miki Haseyama

Dear Reviewer #2:

Thank you for your comments concerning a manuscript entitled "Preliminary study of automatic gastric cancer risk classification from photofluorography", which we submitted for publication in World Journal of Gastrointestinal Oncology.

We have carefully studied the comments and revised the manuscript according to your comments.

Conclusion: Minor revision.

Peer-review report.

The authors have developed an automatic gastric cancer risk classification system that analyzes X-ray images as a preliminary study. Over all it is interesting to see the collaborative use of image-based risk information and ABC (D) stratification in this study provides more reliable gastric cancer risk information. However, I have only few concerns. 1. It was not clear how this study is performing mass screening when data from on single center was use. Authors can explain more or shall reconsider using this term as a keyword. 2. Inclusion of few representative photofluorographic images will definitely increase the readers understanding.

Response.

First, we appreciate Reviewer #2 for the precise comments.

In the above arguments, we divide the comments into the following two points.

(r2-1): We should reconsider the term "mass screening" because our study uses data from only a single medical facility.

(r2-2): We should include X-ray image samples to help the readers understanding.

Response to (r2-1).

Data used in this study were acquired at the Medical Examination Center of Yamagata City Medical Association. Since this medical facility specializes in gastric cancer mass screening, data used in this study includes data from many medical facilities. To prevent readers' misunderstanding, we add the following explanation to Sec. MATERIALS AND METHODS.

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These data were acquired at the Medical Examination Center of Yamagata City Medical Association that specializes in gastric cancer mass screening from April 2012 to March 2013.

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Response to (r2-2).

Thank you for your valuable advice for our manuscript. We agree to your suggestion. In the revised manuscript, we added examples of X-ray images in Figs. 2 and 3 to help the readers' understanding. Figure 2 shows examples of X-ray images correctly or incorrectly classified in the first stage by our system. Figure 3 shows examples of X-ray images correctly or incorrectly classified in the second stage.

Response to Reviewer code 02577402

Ren Togo, Kenta Ishihara, Katsuhiko Mabe, Harufumi Oizumi, Takahiro Ogawa, Mototsugu Kato, Naoya Sakamoto, Shigemi Nakajima, Masahiro Asaka, Miki Haseyama

This paper is the revised manuscript which was submitted to World Journal of Gastroenterology (WJG) as Manuscript Number: 36183 titled “Preliminary study of automatic gastric cancer risk classification from photofluorography” in September 26th, 2017. Through the peer review process of WJG, we received the peer-review report below. Therefore, we also response the Reviewer (02577402)’s comments.

Dear Reviewer 02577402:

Thank you for your comments concerning a manuscript entitled “Preliminary study of automatic gastric cancer risk classification from photofluorography”, which we submitted for publication in World Journal of Gastrointestinal Oncology.

We have carefully studied the comments and revised the manuscript according to your comments.

Conclusion: Minor revision.

Peer-review report.

In this MS, the authors studied automatic gastric cancer risk classification from photofluorography. It is a well written paper. However, some problems existed.

- 1. A few grammar mistakes existed and should be corrected.**
- 2. in the Text, the "5. Acknowledgement" should be put after "Conclusions".**
- 3. Delete "Comments" or integrate it in the other parts of DISCUSSION.**

We have carefully studied the reviewer’s argument and revised our manuscript. Specifically, we revised our manuscript as follows:

• Response to Argument 1:

We used language editing services again since language evaluation of the first decision was Grade B.

• Response to Argument 2:

We revised our manuscript following the reviewer’s comment.

• Response to Argument 3:

We deleted the section “Comments”.