# Dear Editors,

Thank you for understanding the significance of our mini-review. Although several studies have examined the QOL of patients with liver disease based on case reports, no standard values have been reported for specific liver diseases, normal healthy individuals, or each sex. Our mini-review revealed the academic obstacles to QOL research worldwide. For example, some QOL questionnaires were developed in order to earn money for commercial companies, and hence, various questionnaires that require a fee to be paid before they are used have been created. Therefore, our mini-review is important for understanding the current situation regarding QOL studies and the problems associated with such studies.

### To Reviewer #1.

Information about the unique insights and key problems highlighted by the study, and the novelty of the study has been presented in the introduction and discussion. The materials and methods are included in the supplemental file.

#### To Reviewer #2.

Thank you for fully understanding our mini-review.

#### To Reviewer #3.

Thank you for fully understanding our mini-review. Information about the limitations of the EQ-5D-5L has been added to the discussion.

We are currently developing a wearable QOL tracker for evaluating QALYs. It is designed to replace the conventional approach, which requires the writing, checking, and typing up questionnaire responses. We would like readers to understand the current problems with QOL studies before we launch our clinical study.

# To Science editor

I do not understand the comment "Not very good figure legend." because none of the figures had figure legends. I also do not understand the comment "It is unacceptable to have more than 3 references from the same journal." We have referenced four articles from Liver Int. All four studies were used in the meta-analysis, and it is impossible to ignore any of them.

# To company editor-in-chief

All tables have been revised to produce three-line tables.

# Sincerely yours,

Toru Mizuguchi, M.D., Ph.D.

Department of Nursing, Surgical Sciences Sapporo Medical University School of Public Health, S-1, W-17, Chuo-ku, Sapporo, Hokkaido 060-8556, Japan Tel: +81-11-611-2111 (ext. 29460) Fax: +81-11-612-5525