

## Certificate of biostatistics

31 August 2020

**Study title:** Do liver metastases from gastric cancer contraindicate aggressive surgical resection? A 14-year single-center experience

**Journal name:** World Journal of Gastrointestinal Pharmacology and Therapeutics

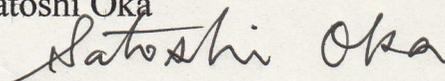
**The first author:** Takefumi Yazawa

This letter is to confirm that statistical method and technique mentioned in this study are appropriate for this research.

Statistical analyses are clearly described in detail, at the Patients and Methods section, as '**Statistical analysis**. All results are shown as mean  $\pm$  standard deviation or median (range). Survival rates were calculated using the Kaplan–Meier method, and the log-rank test was used for between-group comparisons. The Mann–Whitney U test and  $\chi^2$  test were used to compare unpaired continuous or discontinuous variables between two groups. Logistic regression analysis was used to identify important predictive factors for poor prognostic outcomes. The effect of each factor on OS was evaluated by multivariate Cox regression analysis. All calculations were performed using SPSS software (SPSS Inc., Chicago, IL, USA). A p value of  $<0.05$  was considered statistically significant.'

Typed name: Satoshi Oka

Signature:



Date: 31 August 2020

Contact information: [sokamd@mdc.med.shiga-pref.jp](mailto:sokamd@mdc.med.shiga-pref.jp)