

Certificate of Biostatistics

7 June 2021

To whom it may concern

Title of Study: **Angle of covered self-expandable metallic stents after the placement is a risk factor for recurrent biliary obstruction**

Chief investigator: **Hirotsugu Maruyama**

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This letter is to confirm that I have read the ethics application prepared for this study, and that in my opinion the statistical methods and techniques mentioned are appropriate for the research.

Please contact me if you have any queries.

Sincerely, *Kojiro Tanoue, Hirotsugu Maruyama*

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