

## Certification of Biostatistics

December 20, 2023

To whom it may concern

Title of Study: Establishment of a cholangiocarcinoma risk evaluation model based on mucin expression levels

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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,

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