## **Certificate of Biostatistics**

24 Aug 2023

To whom it may concern

Title of Study: Removal of Intrahepatic Bile Duct Stone Could Reduce the Risk of Cholangiocarcinoma, Regardless of the

Recurrence of the Stone

Correspondence: Dong Uk Kim, M.D., Ph.D.

Division of Gastroenterology, Department of Internal Medicine and Biomedical Research Institute, Pusan National University Hospital, Busan, Korea

E-mail: amlm3@hanmail.net

This letter is to confirm that the statistical analyses of this study were performed and reviewed by a member of the Biostatistics core from ACE Statistical Consulting, and that in my opinion the statistical methods and techniques mentioned are appropriate for the research.

This certificate is delivered to the concerned person for any purposes for which it may be required. Please contact me if you have any queries.

Sincerely,

Dr. Jimin Choi Signature:

Managing director, ACE Statistical Consulting

/Adjunct Professor, Department of Information Management Systems, Dong-A University

Office: Centum T Tower 703, Centum City, Busan, S.Korea



E-mail: stat.choi@gmail.com, info.acestat@gmail.com