

Certificate of Biostatistics

16 May 2019

To whom it may concern

Title of this study: Can contrast enhanced ultrasound differentiate intrahepatic cholangiocarcinoma from CEUS LR-M hepatocellular carcinoma?

Chief investigator:

Qiang Lu

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Chengdu, China.

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

Please contact me if you have any queries.

Sincerely, *Cai rong zhu*

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