

# Certificate of Biostatistics

**Title of Study:** Efficacy and safety of TIPS combined with radioactive seed strand for  
main portal vein tumor thrombosis with cirrhotic portal hypertension

**Study Type:** Retrospective Cohort Study

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This letter is to confirm that the statistical methods and techniques mentioned are appropriate for the research. First author Xuan-Hui Yan had received systematic training in biostatistics. Corresponding author Fu-Quan Liu reviewed and revised the statistical section.

Please contact me if you have any queries.

Yours sincerely,

On behalf of all the authors,

Fu-Quan Liu *Fu-Quan Liu*

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