

**Certificate of Biostatistics**

25 January 2021

To whom it may concern:

**Title of Study: Study on the expression of Caspase-3, HIF-1 $\alpha$  and their relationship with prognosis in patients with HCC complicated by hemorrhage and necrosis**

School of Public Health, Nanchang University

Biostatistics, Ph.D, Nanchang University

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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