

Certificate of Biostatistics

1 February 2023

To whom it may concern

Title of study: FGF15, Induced by Elevated Bile Acids, Mediates the Improvement of Hepatic Glucose Metabolism After Sleeve Gastrectomy in a Diabetic Rat Model

This letter is to confirm that in my opinion the statistical methods and techniques mentioned are appropriate for the research.

Please contact me if you have any queries.

Sincerely,

Xiaohui Liu.

Xiaohui, Liu, Master's degree of Statistics, Qingdao Municipal Center for Disease Control & Prevention, 175 shandong road, Qingdao, Shandong Province, China

Email: lxh0125@126.com