

## **Certificate of Biostatistics**

February 4, 2019 To whom it may concern

Title of the study: Corrections in alpha angle following two different operative approaches for CAM-type femoral acetabular impingement – Ganz surgical hip dislocation vs anterior mini-open

Chief Investigator: Dr. Quanjun Cui, Department of Orthopaedic Surgery, University of Virginia School of Medicine, Charlottesville, VA 22903, United States.

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

Please contact me if you have any queries. Sincerely,

*Wendy Novicoff*