



**Cooper Medical School**  
of Rowan University

Date: 03/31/21

**Biostatistics review certificate**

Dr. Sangita Phadtare, Professor, certify that the statistical analysis in the manuscript

**Characterization of gut microbiome and metabolome in *Helicobacter pylori* patients in an underprivileged community in the United States**

is certified. Please note that these analyses are carried out *via* open sourced gut microbiome analysis website that is universally used (Qiime 2) (code is provided in the manuscript). So there are inherent check points within the analyses.

A handwritten signature in blue ink, appearing to read "Sangita Phadtare".

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