

October 4, 2018

To Whom It May Concern:

All of the statistical analysis for the project "Opioid use and misuse in ulcerative colitis" was conducted by Patrick Northup, MD, MHS, whom I certify is a trained biostatistician. He holds a Master's degree in Health Evaluation Sciences (training in epidemiology, statistics, and economic outcome modeling).

Sincerely,



Maithili Chitnavis, MD

