

Thank you very much for reviewing and commenting on my manuscript during your busy schedule.

Regarding the questions of commenter 1, the results of the ethical review I have written at the beginning of the article and in the content of the study population in the 'methods and materials'; The research methods, sample size estimation, population recruitment, evaluation and survey tools, and statistical methods of this study are all written in the catalog of article 'materials and methods', including study population, inclusion and exclusion criteria, data index collection, GV assessment, lacunes assessment, cognitive function assessment, statistical software and statistical methods. To make my research process clearer, I added another flowchart of the enrollment of study patients. The format of the language and references has been revised.

In response to Commenter 2's questions, I added a description of the meaning and results of the calibration analysis and DCA in the 'Establishment of a nomogram prediction model' part of the results to help readers understand. I also made some changes to the format of the article to make it easier to read.