

Peer Review

Review of: "Cystatin C at the Crossroads: Unraveling a Multidimensional Biomarker in Alzheimer's Disease and Cognitive Decline"

Aditya Singh¹

1. Integral University, India

The manuscript mentions that dietary habits account for 51% of CysC variance; however, the underlying mechanistic pathways—such as modulation of oxidative stress, attenuation of metabolic inflammation, and alterations in the protease–inhibitor balance—are not explored in sufficient detail. In addition, the review should clearly differentiate between the roles of Cystatin C as a biomarker, as a mechanistic contributor to disease pathology, and as a potential therapeutic target. Several references require correction or updating, and the inclusion of additional figures would significantly enhance clarity and the overall presentation of key concepts.

Declarations

Potential competing interests: No potential competing interests to declare.