

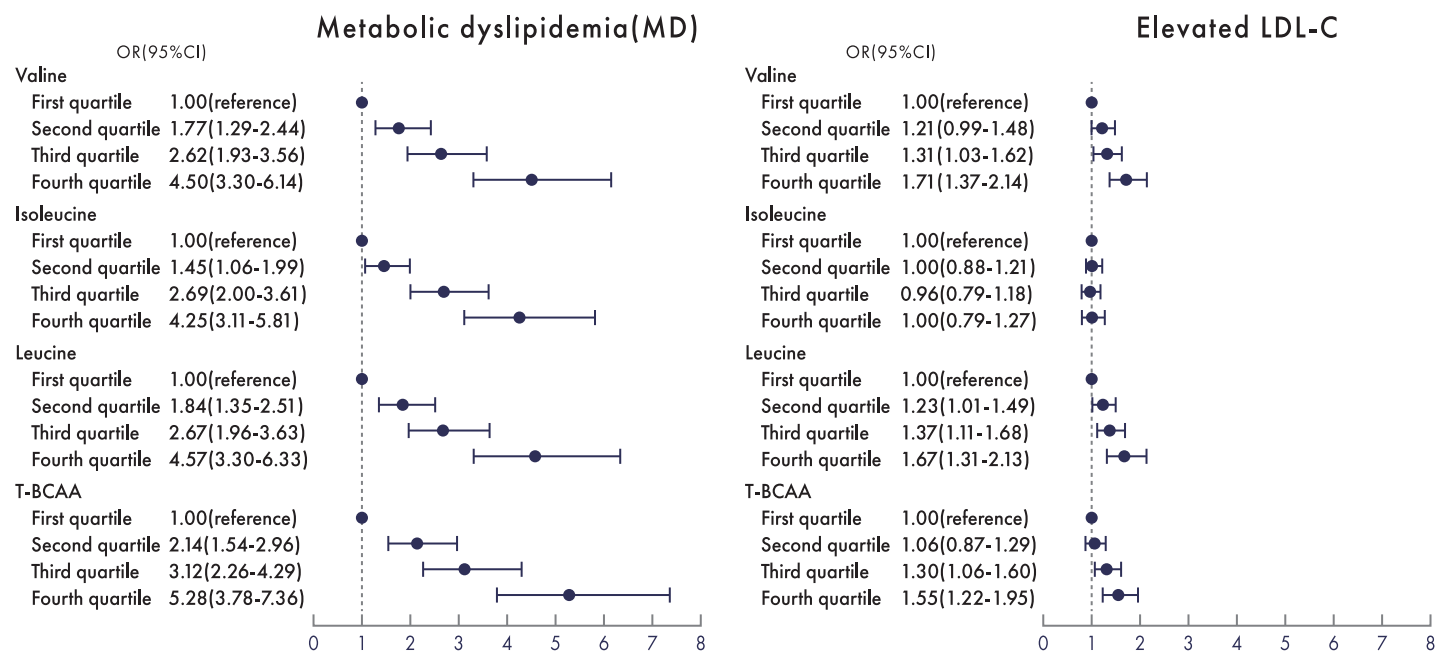
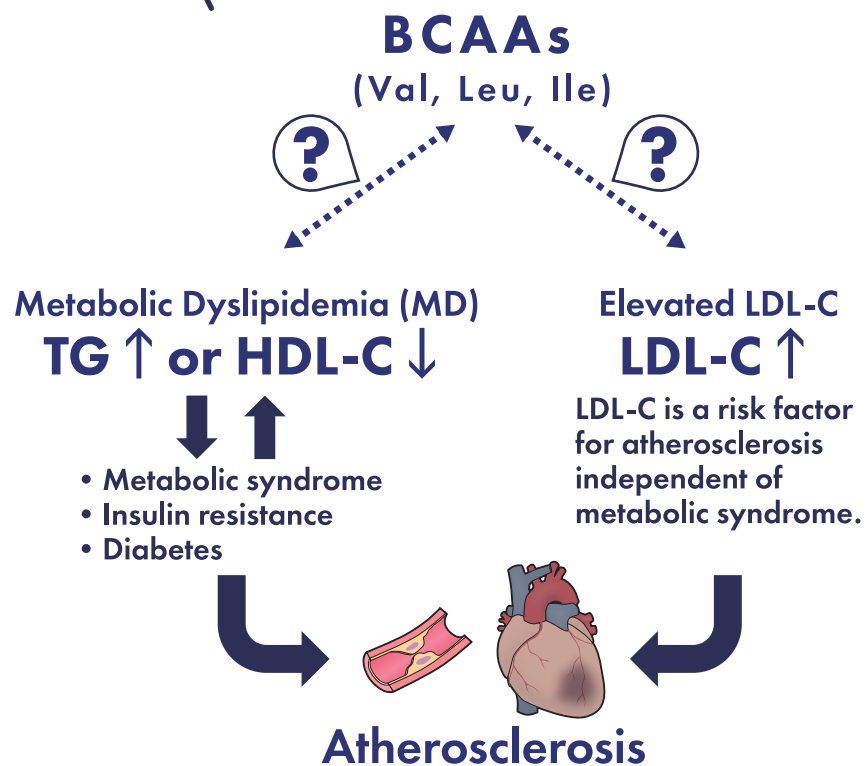
Association between plasma levels of branched-chain amino acids and dyslipidemia in the Japanese population without diabetes mellitus



STUDY QUESTION

Are BCAAs associated with dyslipidemia, such as metabolic dyslipidemia and elevated LDL-C, in a population without diabetes?

4,952 participants without diabetes from the Tsuruoka Metabolomics Cohort Study



Similar trends were observed after stratification by median fasting blood glucose levels.



Elevated blood BCAAs may play an important role in lipid metabolism and dyslipidemia in a population without diabetes. Particularly, BCAAs had a stronger positive relationship with MD than elevated LDL-C.