



The results revealed that, both total cholesterol and triglyceride were univariately associated with cerebral infarction ( $p < 0.0001$ ). After adjusting for the covariates through multivariate logistic regression analysis, total cholesterol remained significantly related to cerebral infarction ( $p = 0.0430$ ) but triglyceride did not ( $p = 0.3953$ ). Hypertension, cardiac impairment, diabetes mellitus and hemoglobin concentration were strongly related to cerebral infarction in both univariate and multivariate analyses.

The interaction among blood lipid variables and potential risk factors was also assessed. The finding indicated that there was a significant multiplicative interaction between triglyceride levels and diabetes mellitus status ( $p = 0.0026$ ). Other interaction terms did not approach statistical significance.