Madam, blood lipid is an independent risk factor of coronary heart disease. Evaluating the relationship between high levels of blood lipid and cerebral stroke was difficult due to the multiple nature of cerebral stroke. Studies conducted on patients suffering from coronary heart diseases revealed that lipid-lowering drugs decreased the risk of cerebral stroke. This study aimed at evaluating the role of blood lipids in patients suffering from ischaemic cerebral stroke. It was a case-control study, with the case group having all the patients suffering from their first ischaemic stroke. Main risk factors of cerebral stroke such as hypertension, diabetes, cardiac disease were noted in a questionnaire. Fasting blood samples of the ill patients were taken to determine parameters such as total cholesterol and triglyceride one day after hospitalisation. 53% were men and 47% were women, and the mean age was 64.6 years. There was statistically meaningful difference between total cholesterol level in all subjects of case and control groups, and in the case group it was more than that of the control group (p <0.001). Additionally, mean total cholesterol in the case group subjects (women) was more than in the control group, but the difference was not statistically meaningful. Mean of triglyceride level in the case group was more than that of the control group but the difference was not statistically meaningful (P>0.05). Presenting interventional policies to lower cholesterol and triglyceride levels using primary prevention method such as modifying the diet, as well as drug interventions, especially in groups with other risk factors of cerebral stroke, may play a significant role in prevention from cerebral stroke.

References