

A Study of Correlation between Lipid Profile and Body Mass Index (BMI) in Patients with Diabetes Mellitus

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ABSTRACT The present study deals with the correlation of body mass index and four lipid profiles, viz. serum cholesterol, triglycerides, HDL-C and LDL-C in 251 randomly selected confirmed cases of diabetes mellitus (113 males and 138 females) aged 31-91 years of Gurdaspur, Punjab. The results indicate that in females, statistically negatively significant correlation ($r = -0.26$) was found in LDL – C in age group 41 – 50 years and in males, statistically negatively significant correlation ($r = -0.33$) in age group 41 – 50 years in HDL-C and positive correlations in triglyceride in age group 31 – 40 years ($r = 0.41$) and in age group 61 + years ($r = 0.23$).