

Dyslipidemia and gall stone disease; A search for their causal relationship

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Dyslipidemia and gall stone disease; A search for their causal relationship.

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Abstract

The study was conducted with the aim of exploring any possible relationship between gall stone disease and lipid profile. Patients of any age or gender admitted for cholecystectomy due to gall stones (n=100) were kept in the study group while those admitted for reasons other than gall stone disease (n=100) were included as controls. Patients with history of intake of any hypolipidemic agents and diabetics were excluded. The patients of both the groups were divided into 3 different age groups which were further sub-divided into male and female. Thorough medical histories of the patients were taken and estimation of serum lipid profile was done. The study group (with gall stone disease) was found to have significantly high value of serum triglycerides (p <0.05) in all age groups in both genders. Total cholesterol and serum LDL was found to be higher in males > 20 years. A definite inverse relationship between serum high density lipoprotein and gall stone was also noted in both genders above 20 years of age. In this study high serum triglycerides, total cholesterol, serum LDL and low serum HDL are shown to be significantly related to gall stone disease.

References

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