

## **Plasma lipid profile in gallstone patients from North India.**

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### **Plasma lipid profile in gallstone patients from North India.**

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#### **Abstract**

One hundred and thirty five patients with gallstones along with eighty nine matched controls were studied ultrasonographically to look for any association with hyperlipidemias. Plasma cholesterol and triglycerides were estimated by colorimetric methods and lipoproteins were classified according to Beaumont's classification. Male to female ratio in gallstone patients was 1:3. Mean plasma cholesterol and triglyceride values were higher in male gallstones patients as compared to controls (166.40 +/- 54.21 vs 40.26 +/- 32.80 mg/dl,  $p < 0.01$  and 182.65 +/- 84.49 vs 133.18 +/- 52.37 mg/dl,  $p < 0.01$  respectively). In female gallstone patients, on the other hand, only plasma triglyceride levels were raised as compared to control (182.65 +/- 84.49 vs 133.18 +/- 52.32 mg/dl,  $p < 0.01$ ). Prevalence of type IIb and type IV was 24.32% and 29.72% in male gallstone patients and 13.2 and 39.70% respectively in female gallstone patients. Thus, more than half of our gallstone patients had hyperlipidemia, the commonest types amongst them being type IIb and type IV.

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