

## Study of Lipid Profile in patients with Diabetes Mellitus

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### Abstract

**Background:** This particular study was done to determine the pattern and frequency of hyperlipidemia in patients with diabetes mellitus. **Methods:** The study was carried out in patients with type 1 and type 2 diabetes mellitus of at least 1 year duration. Same number of patients was taken as controls having age and gender matched. During a period of 1 and half year, total of 200 patients were evaluated for lipid profile. **Results:** Out of 200, diabetic patients 147 (73.5%) were males and 53 (26.5%) were females. 170 patients had Type 2 Diabetes Mellitus and 30 patients had Type 1 Diabetes Mellitus. The mean  $\pm$  SD for age of patients with type 2 and type 1 diabetes mellitus was  $48.98 \pm 6.65$  and  $22.37 \pm 3.86$ . **Conclusion:** The diabetic patients are more prone to develop hyperlipidemia. Hyperlipidemia is the commonest complication of the diabetes mellitus and it can predispose patients to premature atherosclerosis and microvascular complications. Early preventive action must be taken to decrease further complications.