**The prevalence of hyperlipidemia in patients with diabetes mellitus**

**Abstract:**

**Background :** The term diabetic dyslipidemia comprises a triad of raised triglycerides, reduced HDLC and excess of small, dense LDL particles. the hyperlipidemia is a recognized constellation known to increase cardiovascular mortality. This study to evaluate prevalent in diabetes mellitus because insulin resistance or deficiency affects key enzymes and pathways in lipid metabolism.

**Objective :**to determine the prevalence of hyperlipidemia among children with T1DM in al-batool teaching hospital/diyala province.

**Subjects and methods :** this study was conducted at albatool teaching hospital /diyala province over a period between (augest 2016-february 2017).eighty patients with T1DM where evaluated by history and data about each patient include age,gender,blood group and time were diagnosed as diabetes mellitus . Result was revised for Lipid profile (total cholesterol, triglycerides, HDL-C and LDL-C) was performed.

**Results :**from 80 patients with DM (38, 47.5%) were males and (42, 52.5%) were females. The mean ± SD for age of patients with diabetes mellitus was (7.02±5.297) years Median 6 Years. . Cholesterol , HDL and LDL P – value (p=0.001),(p=0.000),(p=0.002) respectively. Triglycerides it was statistically non-significant P – value (p=0.159).