**THE RELATIONSHIP BETWEEN LIPID PROFILE AND DIABETES MELLITUS TYPE 2 IN THE CENTER OF BAGHDAD / Al-RUSAFA**

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| **Abstract**  **Type 2 diabetes patients aged 35-60 years and healthy control subjects were compared in a biochemical investigation to determine the glucose, HbA1c, and total lipid levels (HDL-LDL-VLDL-TG-Chol.) in the afflicted group compared to the control group. According to the findings, the number of infected individuals had higher glucose and HbA1c levels than those in the control group, and their cholesterol and other bad fats (such as LDL) and low-density lipoprotein cholesterol (VLDL) levels were higher than those in the control group, all at a probability level of 0.05. They also found that HDL cholesterol (a good fat) decreased significantly at the probability level of 0.05 in those infected individuals.** |
| Keywords: Diabetes mellitus, HbA1c, Lipid profile, Glucose, LDL |

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