

AIMS OF THE PRESENT STUDY

The purpose of the present study was :

to characterize the plasma lipoprotein patterns in patients with hypothyroidism and hyperthyroidism and to relate the degree of dyslipoproteinemia to the levels of thyroid hormones.

- to study the effects of thyroid hormone deficiency on the composition of different lipoprotein fractions, electrolytes like sodium and potassium and enzymes like lactate dehydrogenase and aspartate aminotransferase.
- to support the effects of thyroid hormones on growth and oxygen consumption by in vitro bacterial studies were carried out using *E. coli* wild type strain.