

STUDY OF CASES OF THYROID DISORDER HYPERTHYROIDISM AND HYPOTHYROIDISM

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ABSTRACT

This study included the to identify the two cases thyroid disorders by measuring the levels of thyroid hormones. The study included three groups, the first group (I) included 20 healthy volunteers were taken as a standard (control group), second group(II) 30 patients with hyperthyroidism , the third group (III) 30 patients with hypothyroidism. The results showed the presence of a significant increase($p < 0.01$) in the levels of triiodothyronine (T3) and Thyroxine (T4) in group(II) compared with the control group, While, the results recorded a significant decrease($p < 0.01$) in level of thyroid stimulating hormone(TSH) in group(II) compared with the control group. The results indicated a significant decrease($p < 0.01$) in levels of triiodothyronine (T3) and Thyroxine (T4) in group (III) compared with the control group, Also, The results indicated a significant increase($p < 0.01$) in level of thyroid stimulating hormone(TSH) in group (III) compared with the control group.

KEYWORDS: Thyroid Disorder, Hyperthyroidism, Hypothyroidism