
Thyroid and cardiac functions in B -thalassemia children

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Summary99SummaryThirty β -thalassemia patients were included in this study(18 males and 12 females), their age ranging from 9-18 years with a mean of 12.8 ± 2.1 years in euthyroid group and 12.7 ± 3.8 years in hypothyroid group . In addition to 15 healthy children with the same age group as control group with a mean of 14.5 ± 2.9 years.The mean height for age percentile was 17.1 ± 20.2 in euthyroid group , 4.4 ± 3.9 in hypothyroid group and 46.7 ± 25.5 in control group. Short stature was found in 40% of patients(below 5th percentile). The mean weight for age percentile was in 11.6 ± 9.9 euthyroid group , 18.5 ± 21.1 in hypothyroid group and 20.1 ± 15.5 in control group. The mean BMI percentile was 28.8 ± 20.5 in euthyroid group , 37.5 ± 24.6 in hypothyroid group and 43.9 ± 38.7 in control group .There was a high significant difference between good and poorly compliant groups regarding serum ferritin, serum TSH (p