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**Korelasi Kadar TSH Dengan Kadar Kolesterol Total Pada Pasien Hipertiroid
Di Rumah Sakit Pertamina Bintang Amin Bandar Lampung**

Xv + 30 halaman, 6 tabel, 5 gambar, 14 lampiran

ABSTRAK

Kelenjar tiroid menghasilkan hormon tiroid dalam mengatur metabolisme sel secara spesifik termasuk metabolisme lipid. Menurunnya sekresi TSH dan peningkatan hormon tiroid memberikan dampak pada proses metabolisme, salah satunya rendahnya kadar kolesterol total pada pasien hipertiroid. Tujuan penelitian ini adalah mengetahui korelasi kadar TSH dengan kadar kolesterol total pada pasien hipertiroid di Rumah Sakit Pertamina Bintang Amin. Jenis penelitian ini adalah penelitian kuantitatif dengan desain *cross sectional* menggunakan Teknik sampling *purposive sampling*. Sampel pada penelitian ini yang telah memenuhi kriteria sebanyak 32 sampel. Data yang digunakan yaitu data sekunder berupa data hasil pemeriksaan kadar TSH dan data primer berupa data hasil pemeriksaan kadar kolesterol total. Data dianalisis dengan uji korelasi *Spearman*. Hasil penelitian berdasarkan karakteristik jenis kelamin didapatkan paling banyak pada perempuan 87,5% dan pada laki-laki 12,5%, berdasarkan karakteristik usia didapatkan paling banyak usia 45-64 tahun (56,3%). Rerata kadar TSH pasien hipertiroid sebesar 0,13 uIU/ml, dengan nilai minimal 0,01 uIU/ml dan maksimal 1,83 uIU/ml. Rerata kadar kolesterol total 163 mg/dl, dengan nilai minimal 94 mg/dl, dan maksimal 269 mg/dl. Hasil uji korelasi Spearman menunjukkan adanya hubungan signifikan antara kadar TSH dengan kadar kolesterol total dinyatakan dengan nilai $p=0,000$ ($p<0,05$) dan nilai korelasi $r=0,956$ yang menyatakan korelasi positif.

Kata kunci : Hipertiroid, TSH, Kolesterol Total
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Correlation of TSH Levels with Total Cholesterol Levels in Hyperthyroid Patients

At Pertamina Bintang Amin Hospital Bandar Lampung

Xv + 30 pages, 6 tables, 5 figures, 14 appendices

ABSTRACT

The thyroid gland produces thyroid hormones to specifically regulate cell metabolism, including lipid metabolism. Decreased TSH secretion and increased thyroid hormone have an impact on metabolic processes, one of which is low total cholesterol levels in hyperthyroid patients. The aim of this study was to determine the correlation between TSH levels and total cholesterol levels in hyperthyroid patients at Pertamina Bintang Amin Hospital. This type of research is quantitative research with a cross sectional design using purposive sampling technique. The samples in this study that met the criteria were 32 samples. The data used is secondary data in the form of TSH level examination results and primary data in the form of total cholesterol level examination results. Data were analyzed using the Spearman correlation test. The research results based on gender characteristics were found to be mostly 87.5% for women and 12.5% for men. Based on age characteristics, the majority were 45-64 years old (56.3%). The average TSH level in hyperthyroid patients was 0.13 uIU/ml, with a minimum value of 0.01 uIU/ml and a maximum of 1.83 uIU/ml. The mean total cholesterol level was 163 mg/dl, with a minimum value of 94 mg/dl, and a maximum value of 269 mg/dl. The results of the Spearman correlation test show that there is a significant relationship between TSH levels and total cholesterol levels, expressed by a value of $p=0.000$ ($p<0.05$) and a correlation value of $r=0.956$ which indicates a positive correlation.

Keywords : *Hyperthyroidism, TSH, Total Cholesterol*

Reading List : *24 (2008-2023)*