

T4

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Urinary thyroxine excretion as index of thyroid function.

Chan V, Landon J.

PMID: 4108860 [PubMed - indexed for MEDLINE]

Thus, in our experience, the recovery of added T4 and the precision attained are better with the urine than the serum assay, and there are distinct differences between the urinary T4 excretion of hypothyroid, hyperthyroid, and euthyroid subjects.



T4 PRECISION

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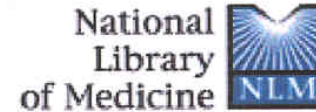
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Another advantage is that the relatively narrow range of urinary **T4** excretion, as evidenced in serial 24-hour collections from euthyroid individuals, may enable detection of small changes in the secretion of T4 from the thyroid.



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1: Lancet 1972 Aug 5;2(7771):253-6

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Urinary tri-iodothyronine excretion as index of thyroid function.

Chan V, Landon J, Besser GM, Ekins RP.

PMID: 4114508 [PubMed - indexed for MEDLINE]

Significantly low T3 values are found in neonates and in patients with primary or secondary hypothyroidism, whereas patients with hyperthyroidism have urinary levels above the normal range.



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Chan V, Landon J, Besser GM, Ekins RP.

PMID: 4114508 [PubMed - indexed for MEDLINE]

Urinary T3 excretion, over a 24-hour period, is similar in both healthy and inpatient euthyroid individuals and in pregnant women. Serial values, over a period of 28 consecutive days, remain within narrow limits in normal individuals.



CLINICAL RESEARCH

Thyroid Insufficiency. Is TSH Measurement the Only Diagnostic Tool?

W. V. BAISIER MD,¹ J. HERTOOGHE MD^{2†} AND W. EECKHAUT MD³

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CONCLUSION : The 24H urine free T3 test seems to be a reliable test, more accurate than the serum T4, serum free T4 and serum TSH test in the diagnosis of thyroid diseases and their follow-up under treatment. It correlates well with the clinical status of the patient, and is not influenced by binding globulins.