



PEITA DAVIES
10-Nov-1971 **Female**

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17 DAVID STREET
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LAB ID : 3984523
UR NO. : 6205021
Collection Date : 08-May-2024
Received Date : 10-May-2024



3984523

Clinical Notes:

ENDOCRINOLOGY

BLOOD - SERUM

Result Range Units

THYROID FUNCTION TESTS

TSH	3.43	0.50 - 5.00	mIU/L	
Free T4	15.8	12.0 - 22.0	pmol/L	
Free T3	5.3	3.1 - 6.8	pmol/L	
Reverse T3	413.0	230.0 - 540.0	pmol/L	
FT3 : Reverse T3 Ratio (X 100)	1.278	1.200 - 2.200		

THYROID TEST COMMENTS

TSH has been adopted as the initial test of a thyroid function. Certain medications and conditions may affect results. Please correlate clinically. Repeat testing in 6-8 weeks if clinically indicated.

Reference ranges developed using populations without thyroid disease suggest that the optimal TSH range for thyroid function should be 0.5-2.0mIU/L.

FREE T4 and FREE T3

Free T4 and T3 represent bioactive portion of thyroid hormone. The test results can identify functional or subclinical hyper- and hypothyroidism and overt hypo- and hyperthyroidism. T4 converts to active T3 or inactive rT3.

The results should always be interpreted in association with TSH.

NORMAL FT3:

T3 is the active thyroid hormone with T4 effectively being a 'prohormone'. About 80% of T3 is formed from T4 in the tissues, with the remainder directly secreted by the thyroid.

REVERSE T3 levels can increase when peripheral conversion of T4 to active T3 is impaired. Peripheral thyroid imbalances may arise from nutrient deficiencies, heavy metal exposure, adrenal stress, enzyme deficiencies, and chronic illnesses.

Comment:

A small percentage of patients with TSH receptor antibody (TRAb) negative Graves Disease may have identifiable Thyroid Receptor Stimulating Immunoglobulin (TSI).

TSH receptor antibodies have several clinical uses:

- They have high sensitivity for Graves' disease, useful in difficult cases.
- Diagnosis of ophthalmopathy of unclear cause.
- High titres may predict increased risk of recurrence in Graves' disease patients who stop anti-thyroid treatment.

THYROID AUTO-Abs

Thyroid Peroxidase Ab.	16.4	0.0 - 35.0	IU/mL	
Anti-Thyroglobulin Ab.	14.7	0.0 - 115	IU/mL	
TSH Receptor Ab	2.3 *H	0.0 - 1.8	IU/L	

(*) Result outside normal reference range

(H) Result is above upper limit of reference range



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Clinical Notes:

SPECIMEN RECEPTION

BLOOD - SERUM

Result Range Units

Test Verification

PLEASE NOTE:

The results for this episode that are out of range have been verified through repeat testing of the specimen.

Tests ordered: CFee,EndPEI,FT3/RT3,GOG88,RT3,TFT,TFTCOM,THAB,TSHA,VERIF

(*) Result outside normal reference range

(H) Result is above upper limit of reference range