



Ms. EMELIA EKUA GUDJOE

PID NO: P36180015322

Age: 49 Year(s) Sex: Female

Reference:

Sample Collected At:
GILEAD MEDICAL & DENTAL CENTER
HOUSE NO BALB NO C896/3,KANDA
HIGHWAY NORTH RIDGE,ACCRA-
14911.
014911

VID: 36180115938

Registered On:

26/09/2018 05:13 PM

Collected On:

26/09/2018

Reported On:

27/09/2018 08:30 AM

Investigation	Observed Value	Unit	Biological Reference Interval
Thyroid panel-1 (T3/T4/TSH) (Serum)			
T3 (Total) (CMIA)	1.18	ng/dL	Female: <= 3 Days : 100-740 Female: 3 - 365 Days : 105 - 245 Female: 1 - 5 Years : 105 - 269 Female: 5 - 10 Years : 94 - 241 Female: 10 - 15 Years : 82 - 213 Both: > 10 Years : 0.52-1.85 : 0.52 - 1.85
T4 (Total) (CMIA)	6.66	µg/dL	4.8-11.6
TSH(Ultrassensitive)	0.36	µIU/mL	0.45-4.5

INTERPRETATION

TSH	T3 / FT3	T4 / FT4	Suggested Interpretation for the Thyroid Function Tests Pattern
Within Range	Decreased	Within Range	• Isolated Low T3-often seen in elderly & associated Non-Thyroidal illness. In elderly the drop in T3 level can be upto 25%.
Raised	Within Range	Within Range	• Isolated High TSH especially in the range of 4.7 to 15 mIU/ml is commonly associated with Physiological & Biological TSH Variability. • Subclinical Autoimmune Hypothyroidism • Intermittent T4 therapy for hypothyroidism • Recovery phase after Non-Thyroidal illness"
Raised	Decreased	Decreased	• Chronic Autoimmune Thyroiditis • Post thyroidectomy, Post radioiodine • Hypothyroid phase of transient thyroiditis"
Raised or within Range	Raised	Raised or within Range	• Interfering antibodies to thyroid hormones (anti-TPO antibodies) • Intermittent T4 therapy or T4 overdose • Drug interference- Amiodarone, Heparin, Beta blockers, steroids, anti-epileptics"
Decreased	Raised or within Range	Raised or within Range	• Isolated Low TSH -especially in the range of 0.1 to 0.4 often seen in elderly & associated with Non-Thyroidal illness • Subclinical Hyperthyroidism • Thyroxine ingestion"
Decreased	Decreased	Decreased	• Central Hypothyroidism • Non-Thyroidal illness • Recent treatment for Hyperthyroidism (TSH remains suppressed)"
Decreased	Raised	Raised	• Primary Hyperthyroidism (Graves' disease), Multinodular goitre, Toxic nodule • Transient thyroiditis: Postpartum, Silent (lymphocytic), Postviral (granulomatous, subacute, DeQuervain's), Gestational thyrotoxicosis with hyperemesis gravidarum"
Decreased or within Range	Raised	Within Range	• T3 toxicosis • Non-Thyroidal illness

- References:** 1. Interpretation of thyroid function tests. Dayan et al. THE LANCET • Vol 357 • February 24, 2001
2. Laboratory Evaluation of Thyroid Function, Indian Thyroid Guidelines, JAPI, January 2011, vol. 59

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