

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



IAME	: Baby. DHANUSHREE			
AGE/ GENDER	: 1.3 YRS/FEMALE		PATIENT ID	: 1812407
COLLECTED BY	:		REG. NO./LAB NO.	: 012503310059
REFERRED BY	:		REGISTRATION DATE	: 31/Mar/2025 01:05 PM
BARCODE NO.	: 01528092		COLLECTION DATE	: 31/Mar/2025 01:07PM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 31/Mar/2025 03:04PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME DOB: 14-Dec-2023	BALA CANTI	ſ	
Fest Name		Value	Unit	Biological Reference interval
		ENDOC	RINOLOGY	
	THYR	OID FUN	CTION TEST: FREE	
	RONINE (FT3): SERUM	3.9	pg/mL	1.60 - 3.90
REE THYROXINE		1.03	ng/dL	0.70 - 1.50
by CMIA (CHEMII LIMINI	SCENT MICROPARTICLE IMMUNOASSAY)		
	TING HOD MONE (TOLL) OFDIN	1 1 (2)	TTT/ T	0.00 5.50
HYROID STIMULA by CMIA (CHEMILUMINE of GENERATION, ULTR <u>VTERPREATION:</u> . FT3 & FT4 are meta 4 levels. High FT3 & F HYROID HARMONE RE . TSH levels are subjection ne order of 50 %. Her	bolic active form of thyroid harmone T4 with normal TSH Levels and abn SISTANCE ected to circardian variation, reaching ice time of the day has influence on t) es and corre formal thyro	id function (Total Thyroid) o	0.60 - 5.50 al condition of the patient as compared to Tota can occasionally be seen in cases of PERIPHERA ninimum between 6-10 pm. The variation is of
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	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)		(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		VIT	AMINS	
	VITAM	IN D/25 HY	DROXY VITAMIN D	03
,	(DROXY VITAMIN D3): SERUM ESCENCE IMMUNOASSAY)	5.5 ^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
INTERPRETATION:				

DEFICIENT:	< 20	ng/mL					
INSUFFICIENT:	21 - 29	ng/mL					
PREFFERED RANGE:	30 - 100	ng/mL					
INTOXICATION:	> 100	ng/mL					

1. Vitamin D compounds are derived from dietary ergocalciferol (from plants, Vitamin D2), or cholecalciferol (from animals, Vitamin D3), or by conversion of 7- dihydrocholecalciferol to Vitamin D3 in the skin upon Ultraviolet exposure.

2.25-OH--Vitamin D represents the main body resevoir and transport form of Vitamin D and transport form of Vitamin D, being stored in adipose tissue and tightly bound by a transport protein while in circulation.

3. Vitamin D plays a primary role in the maintenance of calcium homeostatis. It promotes calcium absorption, renal calcium absorption and phosphate reabsorption, skeletal calcium deposition, calcium mobilization, mainly regulated by parathyroid harmone (PTH). 4. Severe deficiency may lead to failure to mineralize newly formed osteoid in bone, resulting in rickets in children and osteomalacia in adults. DECREASED:

1.Lack of sunshine exposure.

2.Inadequate intake, malabsorption (celiac disease) 3.Depressed Hepatic Vitamin D 25- hydroxylase activity

4. Secondary to advanced Liver disease

5. Osteoporosis and Secondary Hyperparathroidism (Mild to Moderate deficiency)

6.Enzyme Inducing drugs: anti-epileptic drugs like phenytoin, phenobarbital and carbamazepine, that increases Vitamin D metabolism.

INCREASED:

1. Hypervitaminosis D is Rare, and is seen only after prolonged exposure to extremely high doses of Vitamin D. When it occurs, it can result in severe hypercalcemia and hyperphophatemia.

CAUTION: Replacement therapy in deficient individuals must be monitored by periodic assessment of Vitamin D levels in order to prevent hypervitaminosis D

NOTE:-Dark coloured individuals as compare to whites, is at higher risk of developing Vitamin D deficiency due to excess of melanin pigment which interefere with Vitamin D absorption.

*** End Of Report ***



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