



		chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
IAME	: Mrs. PRIYANKA			
GE/ GENDER	: 31 YRS/FEMALE	PA	TIENT ID	: 1806787
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012503260039
EFERRED BY	:	RE	GISTRATION DATE	: 26/Mar/2025 10:45 AM
ARCODE NO.	:01527799	CO	LLECTION DATE	: 26/Mar/2025 10:48AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 26/Mar/2025 12:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
Fest Name		Value VITAMINS COM TAMIN D/25 HYDF	BO PANEL: 1.0	
VITAMIN D (25-H		VITAMINS COM TAMIN D/25 HYDR	BO PANEL: 1.0	
/ITAMIN D (25-H' by Clia (Chemilumin <u>Nterpretation:</u>	VI YDROXY VITAMIN D3): SI iescence immunoassay)	VITAMINS COM TAMIN D/25 HYDR ERUM 20.5 ^L	BO PANEL: 1.0 ROXY VITAMIN E ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
VITAMIN D (25-H by Clia (Chemilumin <u>Nterpretation:</u> DEF	VI YDROXY VITAMIN D3): SI IESCENCE IMMUNOASSAY)	VITAMINS COM TAMIN D/25 HYDR ERUM 20.5 ^L	BO PANEL: 1.0 ROXY VITAMIN E ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
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KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NAME MISSING PROVINCE MALE PATTERN PROVINCE PROV		Dr. Vinay Cł MD (Pathology & Chairman & Cor			(Pathology)		
CDLECTED EY E.G. NO, LAB NO. : 12503260039 REFERRED BY	NAME	: Mrs. PRIYANKA					
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BARCODE NO. : 10127792 CDLETTION DATE : 26/Mar/202510:48AM CLENT CODE : KOS DIAGNOSTIC LAS							
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