



NAME		& Microbiology) nsultant Pathologi		(Pathology) : Pathologist
VANLE	: Mr. KAPIL VIJ			
AGE/ GENDER	: 64 YRS/MALE		PATIENT ID	: 1603831
COLLECTED BY	:		<b>REG. NO./LAB NO.</b>	: 012409060034
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 06/Sep/2024 10:10 AM
BARCODE NO.	:01516417		<b>COLLECTION DATE</b>	:06/Sep/2024 10:17AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 06/Sep/2024 11:27AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANT	Г	
Test Name		Value	Unit	Biological Reference interval
		VI	<b>FAMINS</b>	
	V		IYDROXY VITAMIN D3	
	ROXY VITAMIN D3): SERUM Nescence immunoassay)	27.8 <sup>L</sup>	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
NTERPRETATION:				
	CIENT: FICIENT:	< 20 21 - 29		g/mL
	ED RANGE:	30 - 100		g/mLg/mL
	CATION:	> 100		g/mL
conversion of 7- dihy 2.25-OHVitamin D re	drocholecalciferol to Vitamin D epresents the main body resevo	3 in the skin upo ir and transport	n Ultraviolet exposure.	lecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose
conversion of 7- dihy 2.25-OHVitamin D re- issue and tightly bou 3. Vitamin D plays a p obosphate reabsorpt 4. Severe deficiency n DECREASED: 1. Lack of sunshine ex 2. Inadequate intake, 3. Depressed Hepatic 4. Secondary to advan 5. Osteoporosis and S 5. Enzyme Inducing dr NCREASED: 1. Hypervitaminosis E severe hypercalcemia CAUTION: Replaceme hypervitaminosis D	drocholecalciferol to Vitamin D epresents the main body resevo und by a transport protein while rimary role in the maintenance ion, skeletal calcium deposition hay lead to failure to mineralize posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activ need Liver disease econdary Hyperparathroidism ( rugs: anti-epileptic drugs like ph D is Rare, and is seen only after and hyperphophatemia. ent therapy in deficient individual individuals as compare to whites,	3 in the skin upon ir and transport in circulation. of calcium home, calcium mobiliz newly formed os ity Mild to Moderat enytoin, phenob prolonged expose ils must be monit	n Ultraviolet exposure. form of Vitamin D and trans costatis. It promotes calciur vation, mainly regulated by steoid in bone, resulting in r e deficiency) arbital and carbamazepine, ure to extremely high doses tored by periodic assessmen	port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

Page 1 of 2





		ogy & Microbiology) Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. KAPIL VIJ			
AGE/ GENDER	: 64 YRS/MALE	РАТ	IENT ID	: 1603831
COLLECTED BY	:	REG	. NO./LAB NO.	: 012409060034
REFERRED BY		REG	ISTRATION DATE	:06/Sep/2024 10:10 AM
BARCODE NO.	: 01516417		LECTION DATE	: 06/Sep/2024 10:17AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 06/Sep/2024 11:33AM
CLIENT CODE.			OKTING DATE	. 00/ Sep/ 2024 11.55AM
LIENI ADDRESS	: 6349/1, NICHOLSON RC	JAD, AMBALA CANT I		
Test Name	I AMIN' SERI IM	Value VITAMIN B12/C		Biological Reference interval
VITAMIN B12/COBA by CMIA (CHEMILUMIN	LAMIN: SERUM iescent microparticle immu	VITAMIN B12/C 555		Biological Reference interval
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:-		VITAMIN B12/C 555	OBALAMIN	190.0 - 890.0
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan	IESCENT MICROPARTICLE IMMU SED VITAMIN B12 nin C	VITAMIN B12/C 555 JNOASSAY)	OBALAMIN pg/mL DECREASED VITAMIN	190.0 - 890.0
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS _1.Ingestion of Vitan 2.Ingestion of Estro	IESCENT MICROPARTICLE IMMU SED VITAMIN B12 hin C gen	VITAMIN B12/C 555 JNOASSAY) 1.Pregnancy 2.DRUGS:Asp	OBALAMIN pg/mL DECREASED VITAMIN irin, Anti-convulsants	190.0 - 890.0
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	IESCENT MICROPARTICLE IMMU SED VITAMIN B12 hin C gen hin A	VITAMIN B12/C 555 JNOASSAY) 1.Pregnancy 2.DRUGS:Asp 3.Ethanol Ige	OBALAMIN pg/mL DECREASED VITAMIN irin, Anti-convulsants stion	190.0 - 890.0
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro	IESCENT MICROPARTICLE IMMU SED VITAMIN B12 hin C gen hin A jury	VITAMIN B12/C 555 JNOASSAY) 1.Pregnancy 2.DRUGS:Asp 3.Ethanol Ige	OBALAMIN pg/mL DECREASED VITAMIN irin, Anti-convulsants stion ive Harmones	190.0 - 890.0

the neurologic defects without macrocytic anemia.

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states. 7.Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. NOTE: A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.

## \*\*\* End Of Report \*\*\*





**DR.VINAY CHOPRA** CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT