



		r Chopra ogy & Microbiology) Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. PREETI			
AGE/ GENDER	: 41 YRS/FEMALE		PATIENT ID	: 1633627
COLLECTED BY	:	:	REG. NO./LAB NO.	: 012410030045
REFERRED BY	:		REGISTRATION DATE	: 03/Oct/2024 04:38 PM
BARCODE NO.	:01518250		COLLECTION DATE	:03/Oct/202404:44PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:03/Oct/2024 06:00PM
CLIENT ADDRESS	: 6349/1, NICHOLSON RC)AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HE	3)	12.5	s LOBIN (HB) gm/dL	12.0 - 16.0
tissues back to the li A low hemoglobin le ANEMIA (DECRESED 1) Loss of blood (tra	ungs. vel is referred to as ANEMIA	or low red blood count ling, colon cancer or ste e)		odys tissues and returns carbon dioxide from th

KOS Diagnostic Lab (A Unit of KOS Healthcare)

chemically raising the production of red blood cells).





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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT			
Test Name		Value	Unit	Biological Ref	erence interval
		TAMIN D/25 H	AMINS YDROXY VITAMIN D3		
,	ROXY VITAMIN D3): SERUM IESCENCE IMMUNOASSAY)	52.5	ng/mL	DEFICIENCY: < INSUFFICIENCY: SUFFICIENCY: TOXICITY: > 10	/: 20.0 - 30.0 30.0 - 100.0
	CIENT:	< 20	r	ng/mL	
INSUF	FICIENT:	21 - 29	r	ng/mL	
	ED RANGE:	30 - 100 > 100		ng/mL ng/mL	
tissue and tightly bo 3.Vitamin D plays a p phosphate reabsorp 4.Severe deficiency n DECREASED: 1.Lack of sunshine ex 2.Inadeguate intake 3.Depressed Hepatic 4.Secondary to adva 5.Osteoporosis and S 6.Enzyme Inducing d INCREASED: 1. Hypervitaminosis severe hypercalcemi CAUTION: Replaceme hypervitaminosis D NOTE: -Dark coloured	, malabsorption (celiac disease) Vitamin D 25- hydroxylase activ nced Liver disease Secondary Hyperparathroidism (rugs: anti-epileptic drugs like ph D is Rare, and is seen only after a and hyperphophatemia. ent therapy in deficient individua <i>individuals as compare to whites</i> .	e in circulation. of calcium homeo , calcium mobiliza newly formed ost vity Mild to Moderate enytoin, phenobal prolonged exposur als must be monito	ostatis. It promotes calcius ition, mainly regulated by teoid in bone, resulting in deficiency) rbital and carbamazepine, re to extremely high doses pred by periodic assessment	m absorption, renal calcium parathyroid harmone (PTH) rickets in children and osted that increases Vitamin D m s of Vitamin D. When it occu nt of Vitamin D levels in ord	etabolism. rs, it can result in er to prevent
interefere with Vitam	πο αυστριτοπ.				





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 03/Oct/2024 06:45PM	
			EI OKIING DAIL	. 03/ 00/ 2024 00.431 M	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CAN I I			
Test Name		Value	Unit	Biological Reference interval	
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:-	LAMIN: SERUM IESCENT MICROPARTICLE IMMUN	292 IOASSAY)	pg/mL	190.0 - 890.0	
INCREASED VITAMIN B12			DECREASED VITAMIN B12		
1.Ingestion of Vitamin C		1.Pregnanc	1.Pregnancy		
2.Ingestion of Estrogen			2.DRUGS:Aspirin, Anti-convulsants, Colchicine		
3.Ingestion of Vitamin A			3.Ethanol Igestion		
4.Hepatocellular injury			4. Contraceptive Harmones		
5.Myeloproliferative disorder			5.Haemodialysis		
6.Uremia			6. Multiple Myeloma		
2.In humans, it is obt	amin) is necessary for hemat ained only from animal prote itamin B12 stores very econom	eins and requires intring	sic factor (IF) for absorp	otion. n and returning it to the liver; very little is	
4. Vitamin B12 deficient ileal resection, small	intestinal diseases).			astric atrophy) or intestinal malabsorption weakness, hyperreflexia, ataxia, loss of	

5. Vitamin B12 deficiency frequently causes macrocytic anemia, glossitis, peripheral neuropathy, weakness, hyperreflexia, ataxia, loss of proprioception, poor coordination, and affective behavioral changes. These manifestations may occur in any combination; many patients have 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 ***





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