



	Dr. Vinay Ch e MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)					
NAME	: Mrs. VANDANA								
AGE/ GENDER	: 38 YRS/FEMALE		PATIENT ID	: 1554977					
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407200019					
REFERRED BY	:		REGISTRATION DATE	: 20/Jul/2024 09:24 AM					
BARCODE NO.	:01513471		COLLECTION DATE	: 20/Jul/2024 09:34AM					
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 20/Jul/2024 11:02AM					
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	г						
Test Name		Value	Unit	Biological Reference interval					
CLINICAL CHEMISTRY/BIOCHEMISTRY FERRITIN									
INTERPRETATION: Serum ferritin appea In patients with some storage iron because concentration. In the DECREASED: 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient INCREASED FERRITIN 1. Hemochromatosis 2. Wilson Disease. INCREASED FERRITIN 1. Transfusion overlo 2. Excess dietary Irom 3. Porphyria Cutanea 4. Ineffective erythro INCREASED FERRITIN 1. Liver disorders (NA 2. Inflammatory cond 3. Leukaemia, hodgki 4. Alcohol excess. 5. Other malignancie synthesis of ferritin b 6. Ferritin levels belo NOTE: 1. As Ferritin is an acu false positive results. I proteins to rule out ar 2. Patients with iron o	 hepatocellular diseases, malign serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition assocry. DUE TO IRON OVERLOAD (PRIMAF or hemosiderosis. DUE TO IRON OVERLOAD (SECONI ad ad a boiesis. MITHOUT IRON OVERLOAD (SECONI SH) or viral hepatitis (B/C). litions (Ferritin is a acute phase r n's disease. s in which increases probably ref y tumour cells. w 10 ng/ml have been reported a te phase reactant, it is often raiseat te phase reactant, it is often raiseat te not set of the original set of the orig	ancies and infla reactant. In suc ns with low sere ociated with rec RY): DARY): DARY): reactant) both a lect the escape as indicative of i d in both acute a rally low result. In	ammatory diseases, serum f ch disorders iron deficiency um ferritin are likely to resp duced serum ferritin concen duced serum ferritin concen of ferritin from damaged liv ron deficiency anemia. and chronic inflammatory con n such Cases serum ferritin le						

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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Page 1 of 3



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		10pra & Microbiology) 1sultant Pathologis	ME	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
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Test Name		Value	Unit	Biological Reference interval	
		ramin d/25 h	AMINS YDROXY VITAMIN D3		
by CLIA (CHEMILUMII	ROXY VITAMIN D3): SERUM NESCENCE IMMUNOASSAY)	23.7 ^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0	
<u>Nterpretation:</u> Defi	CIENT:	< 20		ng/mL	
INSUF	FICIENT:	21 - 29		ng/mL	
	ED RANGE: CATION:	30 - 100 > 100		ng/mL	
2.25-OHVitamin D r tissue and tightly bou 3.Vitamin D plays a p phosphate reabsorpt 4.Severe deficiency n DECREASED: 1.Lack of sunshine ex 2.Inadeguate intake, 3.Depressed Hepatic 4.Secondarv to advar 5.Osteoporosis and S 6.Enzyme Inducing di INCREASED: 1. Hypervitaminosis I severe hypercalcemia CAUTION : Replaceme hypervitaminosis D	und by a transport protein while rimary role in the maintenance ion, skeletal calcium deposition nay lead to failure to mineralize posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activ need Liver disease econdary Hyperparathroidism (I rugs: anti-epileptic drugs like ph D is Rare, and is seen only after p a and hyperphophatemia. ent therapy in deficient individual individuals as compare to whites,	ir and transport for a in circulation. of calcium home, , calcium mobiliza newly formed ost ity Mild to Moderate enytoin, phenoba prolonged exposu	orm of Vitamin D and tran ostatis. It promotes calciu ation, mainly regulated by teoid in bone, resulting in deficiency) rbital and carbamazepine re to extremely high dose ored by periodic assessme	sport form of Vitamin D, being stored in adipose m absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. , that increases Vitamin D metabolism. s of Vitamin D. When it occurs, it can result in ent of Vitamin D levels in order to prevent iciency due to excess of melanin pigment which	

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irs. VANDANA				
8 YRS/FEMALE	PATIENT ID	: 1554977		
JRJESH	REG. NO./LAB NO.	. : 012407200019		
	REGISTRATION D	ATE : 20/Jul/2024 09:24 A	AM	
1513471				
	Value Un	it Biological R	Reference interval	
NT MICROPARTICLE IMMUNOASSAY)			-	
ITAMIN B12				
		-		
		1		
	4. Contraceptive Harmones	1		
order	5.Haemodialysis]		
6.Uremia		6. Multiple Myeloma and normal neuronal function.		
	513471 DS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMBA VIT N: SERUM NT MICROPARTICLE IMMUNOASSAY) TAMIN B12	REGISTRATION D. 513471 COLLECTION DAT DS DIAGNOSTIC LAB REPORTING DAT 349/1, NICHOLSON ROAD, AMBALA CANTT Value Un Value Un VITAMIN B12/COBALAMIN N: SERUM 294 pg/ NT MICROPARTICLE IMMUNOASSAY) 1.Pregnancy 1.Pregnancy 1.Pregnancy 3.Ethanol Igestion 4. Contraceptive Harmones Order 5.Haemodialysis 5.Haemodialysis	REGISTRATION DATE : 20/Jul/2024 09:24 / 513471 COLLECTION DATE : 20/Jul/2024 09:34A DS DIAGNOSTIC LAB REPORTING DATE : 20/Jul/2024 11:02A 349/1, NICHOLSON ROAD, AMBALA CANTT Silological R VITAMIN B12/COBALAMIN NT MICROPARTICLE IMMUNOASSAY) TAMIN B12 1.Pregnancy 190.0 - 890 2.DRUGS: Aspirin, Anti-convulsants, Colchicine 3.Ethanol Igestion 4. Contraceptive Harmones 4. Contraceptive Harmones Order	

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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