PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

【 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mrs. PARVEEN				
AGE/ GENDER	: 47 YRS/FEMALE	P	ATIENT ID	: 17832	96
COLLECTED BY	:	R	EG. NO./LAB NO.	: 1225	03080017
REFERRED BY	:	R	EGISTRATION DATE	:08/Ma	ar/2025 11:45 AM
BARCODE NO.	: 12507410	C	OLLECTION DATE	:08/Ma	ar/2025 11:55AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST	TITUTE R I	EPORTING DATE	:08/Ma	ar/2025 01:50PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - HARY	ANA		
Test Name		Value	Unit		Biological Reference interval
			DROXY VITAMIN D3	3	
	VITAN DROXY VITAMIN D3): SERUM ESCENCE IMMUNOASSAY)			3	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMINI INTERPRETATION:	DROXY VITAMIN D3): SERUM ESCENCE IMMUNOASSAY)	MIN D/25 HYD 17.3 ^L	PROXY VITAMIN D3 ng/mL		INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0
by CLIA (CHEMILUMINI INTERPRETATION: DEFI	DROXY VITAMIN D3): SERUM	MIN D/25 HYD	PROXY VITAMIN D3 ng/mL	g/mL	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0
by CLIA (CHEMILUMINI INTERPRETATION: DEFI INSUFI	DROXY VITAMIN D3): SERUM escence immunoassay)	MIN D/25 HYD 17.3 ^L	PROXY VITAMIN D3 ng/mL		INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0

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.



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

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

440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600, REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)



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	: Mrs. PARVEEN		
AGE/ GENDER	: 47 YRS/FEMALE	PATIENT ID	: 1783296
COLLECTED BY	:	REG. NO./LAB NO.	: 122503080017
REFERRED BY	:	REGISTRATION DATE	: 08/Mar/2025 11:23 AM
BARCODE NO.	: 12507410	COLLECTION DATE	:08/Mar/2025 11:32AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	: 08/Mar/2025 03:34PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY	- HARYANA	
Test Name		Unit	Biological Reference interv
VITAMIN B12/COE	VITAMIN		Biological Reference interv 200.0 - 1100.0
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	VITAMIN ALAMIN: SERUM 557 SEC VITAMIN B12	I B12/COBALAMIN pg/mL DECREASED VITAMIN	200.0 - 1100.0
VITAMIN B12/COE by CMIA (CHEMILUMIN I <u>NTERPRETATION:-</u> INCREAS 1.Ingestion of Vitam	VITAMIN SALAMIN: SERUM 557 rescent microparticle immunoassay) SED VITAMIN B12 nin C 1.Pr	I B12/COBALAMIN pg/mL DECREASED VITAMIN egnancy	200.0 - 1100.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog	VITAMIN SALAMIN: SERUM 557 rescent microparticle immunoassayi SED VITAMIN B12 nin C 1.Pr gen 2.Di	I B12/COBALAMIN pg/mL DECREASED VITAMIN egnancy RUGS:Aspirin, Anti-convulsants,	200.0 - 1100.0
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estroy 3.Ingestion of Vitam	VITAMIN SALAMIN: SERUM 557 rescent microparticle immunoassayi SED VITAMIN B12 nin C 1.Pr gen 2.DI nin A 3.Et	I B12/COBALAMIN pg/mL <u>DECREASED VITAMIN</u> egnancy RUGS:Aspirin, Anti-convulsants, hanol Igestion	200.0 - 1100.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog	VITAMIN SALAMIN: SERUM 557 rescent microparticle immunoassayi SED VITAMIN B12 nin C 1.Pr gen 2.DI nin A 3.Et jury 4. C	I B12/COBALAMIN pg/mL DECREASED VITAMIN egnancy RUGS:Aspirin, Anti-convulsants,	200.0 - 1100.0

4. Vitamin B12 deficiency may be due to lack of IF secretion by gastric mucosa (eg, gastrectomy, gastric atrophy) or intestinal malabsorption (eg, ileal resection, small intestinal diseases).

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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