A PIONEER DIAGNOSTIC CENTRE

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

	: Mrs. RENU JAIN		
AGE/ GENDER	: 68 YRS/FEMALE	PATIENT ID	: 1612779
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 122409140029
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 14/Sep/2024 11:38 AM
BARCODE NO.	: 12504706	<b>COLLECTION DATE</b>	: 14/Sep/2024 11:40AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	<b>REPORTING DATE</b>	: 14/Sep/2024 04:45PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY -	- HARYANA	
Test Name	Value	Unit	Biological Reference interval
	на	EMATOLOGY	
	ERVIFICOUPLE SE MENTATION RATE (ESR) 11	EDIMENTATION RATE (ESI mm/1st h	
NTERPRETATION:	RGREN AUTOMATED METHOD		



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

**NOT VALID FOR MEDICO LEGAL PURPOSE** 

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.)** 



A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. RENU JAIN			
AGE/ GENDER	: 68 YRS/FEMALE	PA	ATIENT ID	: 1612779
COLLECTED BY	:	RI	EG. NO./LAB NO.	: 122409140029
<b>REFERRED BY</b>	:	RI	EGISTRATION DATE	: 14/Sep/2024 11:38 AM
BARCODE NO.	: 12504706	CO	DLLECTION DATE	: 14/Sep/2024 11:40AM
CLIENT CODE.	: P.K.R JAIN HEALTHCA	RE INSTITUTE <b>RI</b>	EPORTING DATE	: 14/Sep/2024 04:45PM
CLIENT ADDRESS	: NASIRPUR, HISSAR RO	AD, AMBALA CITY - HARY	ANA	
Test Name		Value	Unit	Biological Reference interval
		CLINICAL CHEMISTF CHOLESTER		Y
CHOLESTEROL TOTA by CHOLESTEROL OX		236.95 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
INTERPRETATION:				
	PID ASSOCIATION ATIONS (NLA-2014)	CHOLESTEROL IN AD	ULTS (mg/dL)	CHOLESTEROL IN ADULTS (mg/dL)
DES	SIRABLE	< 200.0		< 170.0
BORDE	RLINE HIGH	200.0 - 23	9.0	171.0 - 199.0
	HIGH	>= 240.0		>= 200.0

## NOTE:

Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.
As per National Lipid association - 2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective

screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.



**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.)** 



Page 2 of

A PIONEER DIAGNOSTIC CENTRE

0171-2532620, 8222896961 🛛 🖂 pkrjainhealthcare@gmail.com

NAME	: Mrs. RENU JAIN			
AGE/ GENDER	: 68 YRS/FEMALE	P	ATIENT ID	: 1612779
COLLECTED BY	:	F	REG. NO./LAB NO.	: 122409140029
<b>REFERRED BY</b>	:	F	REGISTRATION DATE	: 14/Sep/2024 11:38 AM
BARCODE NO.	: 12504706	C	COLLECTION DATE	: 14/Sep/2024 11:40AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST	TTUTE <b>F</b>	REPORTING DATE	: 14/Sep/2024 05:49PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	BALA CITY - HAR	YANA	
Test Name		Value	Unit	Biological Reference interval
		VITA	MINS	
	VIT	AMIN D/25 HYI	DROXY VITAMIN D3	
VITAMIN D (25-HYD	ROXY VITAMIN D3): SERUM	33.5	ng/mL	DEFICIENCY: < 20.0
by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)				INSUFFICIENCY: 20.0 - 30.0
				SUFFICIENCY: 30.0 - 100.0
				TOXICITY: > 100.0
INTERPRETATION:				

DEFICIENT:	< 20	ng/mL
INSUFFICIENT:	21 - 29	ng/mL
PREFFERED RANGE:	30 - 100	ng/mL
INTOXICATION:	> 100	ng/mL

1. Vitamin D compounds are derived from dietary ergocalciferol (from plants, Vitamin D2), or cholecalciferol (from animals, Vitamin D3), or by conversion of 7- dihydrocholecalciferol to Vitamin D3 in the skin upon Ultraviolet exposure.

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.

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTI

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.)** 



A PIONEER DIAGNOSTIC CENTRE

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

AGE/ GENDER					
	: 68 YRS/FEMALE		PATIENT ID	: 1612779	
COLLECTED BY	:		REG. NO./LAB NO.	: 122409140029	
REFERRED BY	:		REGISTRATION DATE	: 14/Sep/2024 11:38 AM	4
BARCODE NO.	: 12504706		COLLECTION DATE	: 14/Sep/2024 11:40AM	[
CLIENT CODE.	: P.K.R JAIN HEALTHCARE	INSTITUTE	REPORTING DATE	: 14/Sep/2024 04:45PM	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD	AD, AMBALA CITY - HARYANA		I	
Test Name		Value	Unit	Biological Refe	erence interval
/ITAMIN B12/COBALA	AMIN: SERUM	341.9	pg/mL	200.0 - 1100.0	)
by CMIA (CHEMILUMINE	SCENT MICROPARTICLE IMMUN	IOASSAY)	15		
NTERPRETATION:-	SCENT MICROPARTICLE IMMUN	IOASSAY)		1940	
<u>NTERPRETATION:-</u> INCREASE	D VITAMIN B12		DECREASED VITAMIN	I B12	
NTERPRETATION:- INCREASE 1.Ingestion of Vitamin	<b>D VITAMIN B12</b>	1.Pregna	DECREASED VITAMIN		
NTERPRETATION:- INCREASE 1.Ingestion of Vitamin 2.Ingestion of Estroge	<b>D VITAMIN B12</b>	1.Pregna 2.DRUGS	DECREASED VITAMIN		
NTERPRETATION:- INCREASE 1.Ingestion of Vitamin	<b>D VITAMIN B12</b> n C en n A	1.Pregna 2.DRUGS 3.Ethanc	DECREASED VITAMIN ncy Aspirin, Anti-convulsants		
NTERPRETATION:- INCREASE 1.Ingestion of Vitamin 2.Ingestion of Estroge 3.Ingestion of Vitamin	D VITAMIN B12 n C n A Iry	1.Pregna 2.DRUGS 3.Ethanc	DECREASED VITAMIN ncy Aspirin, Anti-convulsants I Igestion Iceptive Harmones		

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 \*\*\*



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.)

