A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. MANPREET KAUR			
AGE/ GENDER	: 37 YRS/FEMALE	РАТ	IENT ID	: 1690573
COLLECTED BY	:	REG	. NO./LAB NO.	: 122412040017
REFERRED BY	:	REG	ISTRATION DATE	: 04/Dec/2024 01:46 PM
BARCODE NO.	: 12505994	COL	LECTION DATE	:04/Dec/202401:53PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INS	STITUTE <b>REP</b>	ORTING DATE	:04/Dec/202404:22PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYAN	<b>NA</b>	
Test Name		Value	Unit	Biological Reference interva
	CLINIC	CAL CHEMISTRY	/BIOCHEMIST	RY
		FERRIT	TIN	
FERRITIN: SERUM	ESCENCE IMMUNOASSAY)	11.01	ng/mL	4.63 - 204.0
NTERPRETATION:	ESCENCE IMMONOASSAT)			
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism.	e hepatocellular diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass	nancies and inflammate e reactant. In such diso	ory diseases, serum f rders iron deficiency ritin are likely to resp	
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficiene <b>NCREASED FERRITIN</b> 1. Hemochromatosis	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b>	inancies and inflammate reactant. In such diso ons with low serum fer sociated with reduced s	ory diseases, serum f rders iron deficiency ritin are likely to resp	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease.	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis.	nancies and inflammate reactant. In such diso ons with low serum fer sociated with reduced s	ory diseases, serum f rders iron deficiency ritin are likely to resp	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>NCREASED FERRITIN</b> 1. Transfusion overlo	e hepatocellular diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad	nancies and inflammate reactant. In such diso ons with low serum fer sociated with reduced s	ory diseases, serum f rders iron deficiency ritin are likely to resp	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>NCREASED FERRITIN</b> 1. Transfusion overl 2. Excess dietary Iron 3. Porphyria Cutanea	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> vad	nancies and inflammate reactant. In such diso ons with low serum fer sociated with reduced s	ory diseases, serum f rders iron deficiency ritin are likely to resp	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>NCREASED FERRITIN</b> 1. Transfusion overld 2. Excess dietary Iron 3. Porphyria Cutanea 4. Ineffective erythro <b>NCREASED FERRITIN</b>	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad tada poiesis. <b>WITHOUT IRON OVERLOAD</b> :	nancies and inflammate reactant. In such diso ons with low serum fer sociated with reduced s	ory diseases, serum f rders iron deficiency ritin are likely to resp	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED</b> : 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>NCREASED FERRITIN</b> 1. Transfusion overlo 2. Excess dietary Iron 3. Porphyria Cutanea 4. Ineffective erythro <b>NCREASED FERRITIN</b>	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad tada poiesis. <b>WITHOUT IRON OVERLOAD:</b> (SH) or viral hepatitis (B/C)	inancies and inflammate reactant. In such diso ions with low serum fer sociated with reduced s ARY): NDARY):	ory diseases, serum f rders iron deficiency ritin are likely to resp serum ferritin concen	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED</b> : 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>INCREASED FERRITIN</b> 1. Transfusion overlo 2. Excess dietary Iron 3. Porphyria Cutanea 4. Ineffective erythro <b>NCREASED FERRITIN</b> 1. Liver disorders (NA 2. Inflammatory cond 3. Leukaemia, hodgki	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad tada poiesis. <b>WITHOUT IRON OVERLOAD</b> :	inancies and inflammate reactant. In such diso ions with low serum fer sociated with reduced s ARY): NDARY):	ory diseases, serum f rders iron deficiency ritin are likely to resp serum ferritin concen	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>NCREASED FERRITIN</b> 1. Transfusion overlc 2. Excess dietary Iron 3. Porphyria Cutanea 4. Ineffective erythro <b>NCREASED FERRITIN</b> 1. Liver disorders (NA 2. Inflammatory condc 3. Leukaemia, hodgki 4. Alcohol excess. 5. Other malignancie	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad tada poiesis. <b>WITHOUT IRON OVERLOAD:</b> ISH) or viral hepatitis (B/C). litions (Ferritin is a acute phase n's disease. s in which increases probably re	inancies and inflammate reactant. In such diso ions with low serum fer sociated with reduced s (RY): NDARY): reactant) both acute a	nd chronic.	erritin is a dispropórtionately high estimate anemia may exist with a normal serum ferrit and to iron therapy. trations.
Serum ferritin appea n patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>NCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>NCREASED FERRITIN</b> 2. Excess dietary Iron 3. Porphyria Cutanea 4. Ineffective erythro <b>NCREASED FERRITIN</b> 1. Liver disorders (NA 2. Inflammatory conc 3. Leukaemia, hodgki 4. Alcohol excess. 5. Other malignancie synthesis of ferritin b	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> tada polesis. <b>WITHOUT IRON OVERLOAD:</b> .SH) or viral hepatitis (B/C). litions (Ferritin is a acute phase n's disease. s in which increases probably re y tumour cells.	inancies and inflammate reactant. In such diso ions with low serum fer sociated with reduced s ARY): NDARY): reactant) both acute a eflect the escape of ferm	nd chronic.	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit ond to iron therapy.
Serum ferritin appea In patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficiene INCREASED FERRITIN 1. Hemochromatosis 2. Wilson Disease. INCREASED FERRITIN 2. Wilson Disease. INCREASED FERRITIN 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:	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad tada poiesis. <b>WITHOUT IRON OVERLOAD:</b> SH) or viral hepatitis (B/C). litions (Ferritin is a acute phase n's disease. s in which increases probably re by tumour cells. w 10 ng/ml have been reported	inancies and inflammate reactant. In such diso ions with low serum fer sociated with reduced s ARY): NDARY): reactant) both acute a eflect the escape of ferr as indicative of iron de	nd chronic. ritin from damaged liv	erritin is a disproportionately high estimate anemia may exist with a normal serum ferrit and to iron therapy. trations.
Serum ferritin appea In patients with some storage iron because concentration. In the <b>DECREASED:</b> 1. Iron depletion app 2. Hypothyroidism. 3. Vitamin-C deficient <b>INCREASED FERRITIN</b> 1. Hemochromatosis 2. Wilson Disease. <b>INCREASED FERRITIN</b> 1. Transfusion overlo 2. Excess dietary Iron 3. Porphyria Cutanea 4. Ineffective erythro <b>INCREASED FERRITIN</b> 1. Liver disorders (NA 2. Inflammatory cond 3. Leukaemia, hodgki 4. Alcohol excess. 5. Other malignancie synthesis of ferritin b 6. Ferritin levels belo <b>NOTE:</b> 1. As Ferritin is an acu false positive results. I proteins to rule out ar	e hepatocellúlar diseases, malig serum ferritin is an acute phase presence of inflammation, perso ears to be the only condition ass cy. <b>DUE TO IRON OVERLOAD (PRIMA</b> or hemosiderosis. <b>DUE TO IRON OVERLOAD (SECON</b> ad tada poiesis. <b>WITHOUT IRON OVERLOAD:</b> SH) or viral hepatitis (B/C). litions (Ferritin is a acute phase n's disease. s in which increases probably re by tumour cells. w 10 ng/ml have been reported te phase reactant, it is often raise t can thererfore mask a diagnosti by inflammatory conditions.	inancies and inflammate e reactant. In such diso ions with low serum fer sociated with reduced s ARY): NDARY): eflect the escape of ferri- as indicative of iron de ed in both acute and chi- ically low result. In such	nd chronic. ritin from damaged live ficiency anemia. ritin from damaged live ficiency anemia.	erritin is a dispropórtionately high estimate anemia may exist with a normal serum ferrit and to iron therapy. trations.



**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

	: Mrs. MANPREET KAUR		
AGE/ GENDER	: 37 YRS/FEMALE	PATIENT ID	: 1690573
COLLECTED BY	:	REG. NO./LAB NO.	: 122412040017
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	:04/Dec/202401:46 PM
BARCODE NO.	: 12505994	<b>COLLECTION DATE</b>	:04/Dec/202401:53PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	:04/Dec/202403:22PM
CLIENT ADDRESS			
Test Name	Valı	ue Unit	Biological Reference interva
	EN	DOCRINOLOGY	
	THYROID STIN	<b>ULATING HORMONE (TS</b>	SH)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUM 1.0		0.35 - 5.50
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUM 1.0	2 μIU/mL	0.35 - 5.50
by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SERUM 1.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE		0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN Brd GENERATION, ULT) INTERPRETATION:	ATING HORMONE (TSH): SERUM 1.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE	2 μIU/mL REFFERENCE RANGE	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN Brd GENERATION, ULT) INTERPRETATION:	ATING HORMONE (TSH): SERUM 1.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 – 5 DAYS	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN Brd GENERATION, ULT) INTERPRETATION:	ATING HORMONE (TSH): SERUM 1.0   IESCENT MICROPARTICLE IMMUNOASSAY) 1.0   RASENSITIVE 0   AGE 0   0 - 5 DAYS 0   6 Days - 2 Months 0	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20 0.70 – 11.00	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT) INTERPRETATION:	ATING HORMONE (TSH): SERUM IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION:	ATING HORMONE (TSH): SERUM I.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION:	ATING HORMONE (TSH): SERUM INCROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	2 μIU/mL REFFERENCE RANGE ( 0.70 – 15.20 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION:	ATING HORMONE (TSH): SERUM I.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 - 5 DAYS 6 Days - 2 Months 3 - 11 Months 1 - 5 Years 6 - 10 Years 11 - 15 > 20 Years (Adults) PREGNAI	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20 0.70 – 15.20 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50 <b>NCY</b>	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION:	ATING HORMONE (TSH): SERUM I.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 - 5 DAYS 6 Days - 2 Months 3 - 11 Months 1 - 5 Years 6 - 10 Years 11 - 15 > 20 Years (Adults) PREGNAI 1st Trimester	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20 0.70 – 15.20 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50 <b>NCY</b> 0.10 - 3.00	0.35 - 5.50 (µIU/mL)
by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION:	ATING HORMONE (TSH): SERUM I.0 IESCENT MICROPARTICLE IMMUNOASSAY) RASENSITIVE AGE 0 - 5 DAYS 6 Days - 2 Months 3 - 11 Months 1 - 5 Years 6 - 10 Years 11 - 15 > 20 Years (Adults) PREGNAI	2 μIU/mL <b>REFFERENCE RANGE</b> 0.70 – 15.20 0.70 – 15.20 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50 <b>NCY</b>	0.35 - 5.50 (µIU/mL)

NOTE:-TSH levels are subjected to circardian variation, reaching peak levels between 2-4 a.m and at a minimum between 6-10 pm. The variation is of the order of 50 %. Hence time of the day has influence on the measured serum TSH concentration.

**USE**:- TSH controls biosynthesis and release of thyroid harmones T4 & T3. It is a sensitive measure of thyroid function, especially useful in early or subclinical hypothyroidism, before the patient develops any clinical findings or goitre or any other thyroid function abnormality. **INCREASED LEVELS**:

1. Primary or untreated hypothyroidism, may vary from 3 times to more than 100 times normal depending on degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis.

4.DRUGS: Amphetamines, Iodine containing agents and dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge.

DECREASED LEVELS:

1. Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.





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

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

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.)



NAME	: Mrs. MANPREET KAUR			
AGE/ GENDER	: 37 YRS/FEMALE	PATIENT ID	: 1690573	
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 122412040017	
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 04/Dec/2024 01:46 PM	
BARCODE NO.	: 12505994	<b>COLLECTION DATE</b>	:04/Dec/202401:53PM	
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	<b>REPORTING DATE</b>	:04/Dec/202403:22PM	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY	- HARYANA		

A PIONEER DIAGNOSTIC CENTRE

Test Name	Value	Unit	<b>Biological Reference interval</b>

8. Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.





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

NAME	: Mrs. MANPREET KAUR			
AGE/ GENDER	: 37 YRS/FEMALE	PAT	IENT ID	: 1690573
COLLECTED BY	:	REG	. NO./LAB NO.	: 122412040017
<b>REFERRED BY</b>	:	REG	<b>ISTRATION DATE</b>	: 04/Dec/2024 01:46 PM
BARCODE NO.	: 12505994	COL	LECTION DATE	:04/Dec/202401:53PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTIT	TUTE <b>REP</b>	ORTING DATE	:04/Dec/2024 04:14PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA			
Test Name		Value	Unit	Biological Reference interval
		VITAM	INS	
	VITAM	IN D/25 HYDR	OXY VITAMIN D	3
	DROXY VITAMIN D3): SERUM escence immunoassay)	14.592 <sup>L</sup>	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0

## INTERPRETATION:

INTERFRETATION.			
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.

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.

\*\*\* 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.)

