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

A PIONEER DIAGNOSTIC CENTRE

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

AGE/ GENDER					
	: 45 YRS/FEMALE		PATIENT ID	: 17767	781
COLLECTED BY	:		REG. NO./LAB NO.	: 1225	603030013
REFERRED BY	:		REGISTRATION DAT	E :03/M	ar/2025 03:12 PM
BARCODE NO.	: 12507314		COLLECTION DATE	:03/M	ar/2025 03:54PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTI	TUTE	REPORTING DATE		ar/2025 04:33PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AME			. 00/ 101	
LIENT ADDRESS	. NASIRI UR, IIISSAR ROAD, AMI				
Test Name		Value	Unit		Biological Reference interva
		ПАЕМ	ATOLOGY		
	GLYCOS	SYLATED HA	AEMOGLOBIN (HB	A1C)	
	EMOCIODIN (UbA1a)	5.6	%		4.0 - 6.4
WHOLE BLOOD	RMANCE LIQUID CHROMATOGRAPHY)	0.0	70		
ESTIMATED AVERA		114.02	mg/c	iL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA(by HPLC (HIGH PERFOR	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	114.02	mg/o	IL	
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA(by HPLC (HIGH PERFOR NTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	114.02	mg/c IATION (ADA):		60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAG by HPLC (HIGH PERFOR <u>NTERPRETATION:</u> R	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D	114.02	mg/o		60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA(by HPLC (HIGH PERFOR NTERPRETATION: R R Non dia At	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP Ibetic Adults >= 18 years Risk (Prediabetes)	114.02	mg/c IATION (ADA): LYCOSYLATED HEMOGLO <5.7 5.7 - 6.4	DGIB (HBAIC) in	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA(by HPLC (HIGH PERFOR INTERPRETATION: R R Non dia At	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP Ibetic Adults >= 18 years	114.02	mg/c IATION (ADA): LYCOSYLATED HEMOGLO <5.7 5.7 - 6.4 >= 6.5	DGIB (HBAIC) in	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA(by HPLC (HIGH PERFOR NTERPRETATION: R R Non dia At	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP Ibetic Adults >= 18 years Risk (Prediabetes)	114.02	mg/c IATION (ADA): LYCOSYLATED HEMOGLO <5.7 5.7 - 6.4 >= 6.5 Age > 19 Ye	DGIB (HBAIC) in	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA(by HPLC (HIGH PERFOR INTERPRETATION: R Non dia At Di	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP Ibetic Adults >= 18 years Risk (Prediabetes) agnosing Diabetes	114.02	mg/c IATION (ADA): LYCOSYLATED HEMOGLO <5.7 5.7 – 6.4 >= 6.5 Age > 19 Ye s of Therapy:	DGIB (HBAIC) in ears < 7.0	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAG by HPLC (HIGH PERFOR INTERPRETATION: R Non dia At Di	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP Ibetic Adults >= 18 years Risk (Prediabetes)	114.02	mg/c IATION (ADA): LYCOSYLATED HEMOGLO <5.7 5.7 - 6.4 >= 6.5 Age > 19 Yes s of Therapy: ms Suggested:	DGIB (HBAIC) in ears < 7.0 >8.0	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERAG by HPLC (HIGH PERFOR INTERPRETATION: R Non dia At Di	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP Ibetic Adults >= 18 years Risk (Prediabetes) agnosing Diabetes	ABETES ASSOC	mg/c IATION (ADA): LYCOSYLATED HEMOGLO <5.7 5.7 – 6.4 >= 6.5 Age > 19 Ye s of Therapy:	DGIB (HBAIC) in ears < 7.0 >8.0	60.00 - 140.00

4.High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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. NISHA GULATI		
AGE/ GENDER	: 45 YRS/FEMALE	PATIENT ID	: 1776781
COLLECTED BY	:	REG. NO./LAB NO.	: 122503030013
REFERRED BY	:	REGISTRATION DATE	: 03/Mar/2025 03:12 PM
BARCODE NO.	: 12507314	COLLECTION DATE	: 03/Mar/2025 03:54PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	:03/Mar/202507:11PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CIT	ГҮ - HARYANA	
Test Name	Val	ue Unit	Biological Reference interval
	CLINICAL CHI	EMISTRY/BIOCHEMIST	'RY
		CALCIUM	
CALCIUM: SERUM	9.2	3 mg/dL	8.50 - 10.60
by ARSENAZO III, SPE			

HYPOCALCEMIA (LOW CALCIUM LEVELS) CAUSES :-

1. Due to the absence or impaired function of the parathyroid glands or impaired vitamin-D synthesis.

2. Chronic renal failure is also frequently associated with hypocalcemia due to decreased vitamin-D synthesis as well as hyperphosphatemia and skeletal resistance to the action of parathyroid hormone (PTH).

3. NOTE:- A characteristic symptom of hypocalcemia is latent or manifest tetany and osteomalacia.

HYPERCALCEMIA (INCREASE CALCIUM LEVELS) CAUSES:-

1. Increased mobilization of calcium from the skeletal system or increased intestinal absorption.

2.Primary hyperparathyroidism (pHPT)

3.Bone metastasis of carcinoma of the breast, prostate, thyroid gland, or lung.

NOTE:-Severe hypercalcemia may result in cardiac arrhythmia.



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NAME	: Mrs. NISHA GULATI			
AGE/ GENDER	: 45 YRS/FEMALE		PATIENT ID	: 1776781
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REFERRED BY	:		REGISTRATION DATE	: 03/Mar/2025 03:12 PM
BARCODE NO.	: 12507314		COLLECTION DATE	: 03/Mar/2025 03:54PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTIT	UTE	REPORTING DATE	:03/Mar/202505:09PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBA	ALA CITY - H	IARYANA	
		Value	Unit	Biological Reference interval
Test Name		Vulue	Cint	biological Melerence interval
Test Name			TAMINS	biological weletence interval
Test Name	VITAMI	VI		0

<u>NTERPRETATION:</u>					
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 ***



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SUFFICIENCY: 30.0 - 100.0

TOXICITY: > 100.0