

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	M	m Chopra D (Pathology) nt Pathologist
AME	: Mr. HARVINDER SINGH			
GE/ GENDER	: 54 YRS/MALE		PATIENT ID	: 1718474
OLLECTED BY	:		REG. NO./LAB NO.	: 012501070035
EFERRED BY	: DR. HARPREET SINGH		REGISTRATION DATE	: 07/Jan/2025 04:20 PM
ARCODE NO.	: 01523581		COLLECTION DATE	: 07/Jan/2025 04:23PM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 07/Jan/2025 04:37PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
'est Name		Value	Unit	Biological Reference interval
		HAEM	ATOLOGY	
	COMP	PLETE BL	OOD COUNT (CBC)	
ED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
AEMOGLOBIN (H	B)	15.2	gm/dL	12.0 - 17.0
ED BLOOD CELL (by hydro dynamic f	RBC) COUNT	5.45 ^H	Millions	s/cmm 3.50 - 5.00
ACKED CELL VOLU	JME (PCV) utomated hematology analyzer	47.4	%	40.0 - 54.0
	AR VOLUME (MCV) utomated hematology analyzer	87	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	27.9	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.1	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.6	%	11.00 - 16.00
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	47.3	fL	35.0 - 56.0
NENTZERS INDEX		15.96	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
REEN & KING INE by CALCULATED	DEX	23.31	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
HITE BLOOD CE	LLS (WBCS)			
OTAL LEUCOCYTE	E COUNT (TLC) / by sf cube & microscopy	10880	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
UCLEATED RED B	LOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %





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 Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist
 CEC

 : Mr. HARVINDER SINGH
 E

 : 54 YRS/MALE
 PATIENT II

 : :
 REG. NO./L

CEO & Consultant Pathologist

MD (Pathology)

Dr. Yugam Chopra

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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	55	%	50 - 70
LYMPHOCYTES by flow cytometry by SF cube & microscopy	35	%	20 - 40
EOSINOPHILS by flow cytometry by SF cube & microscopy	4	%	1 - 6
MONOCYTES by flow cytometry by SF cube & microscopy	6	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	5984	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by SF cube & microscopy	3808	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by SF cube & microscopy	435	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by sf cube & microscopy	653	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	282000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.24	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	9	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	48000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	16.9	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	15.8	%	15.0 - 17.0



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Test Name		Value	Unit	Biological Reference interval
	CLVCO	CVI ATED HAEMO	CLODIN (IIDA 1 C	
WHOLE BLOOD by HPLC (HIGH PERFOR	EMOGLOBIN (HbA1c):	SYLATED HAEMO 5.5	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA	EMOGLOBIN (HbA1c):			
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D	5.5 111.15 DIABETES ASSOCIATION	% mg/dL (ADA):	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP	5.5 111.15 DIABETES ASSOCIATION	% mg/dL (ADA): /LATED HEMOGLOGIB (4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: Non dia	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years	5.5 111.15 DIABETES ASSOCIATION	% mg/dL (ADA): /LATED HEMOGLOGIB (<5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT dia Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5.5 111.15 DIABETES ASSOCIATION	% mg/dL (ADA): /LATED HEMOGLOGIB (<5.7 5.7 - 6.4	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT dia Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years	5.5 111.15 DIABETES ASSOCIATION	% mg/dL (ADA): /LATED HEMOGLOGIB (<5.7 5.7 - 6.4 >= 6.5	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT dia Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5.5 111.15 DIABETES ASSOCIATION GLYCOSY	% mg/dL (ADA): /LATED HEMOGLOGIB (<5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	5.5 111.15 DIABETES ASSOCIATION GLYCOSY GOals of The	% mg/dL (ADA): /LATED HEMOGLOGIB (<5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	4.0 - 6.4 60.00 - 140.00 HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5.5 111.15 DIABETES ASSOCIATION GLYCOSY	% mg/dL (ADA): /LATED HEMOGLOGIB (<5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	4.0 - 6.4 60.00 - 140.00 HBAIC) in %

COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate.

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.



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Test Name		Value	Unit	Biological Reference interva
	PROTE	IROMBIN TIME S	TUDIES (PT/IN	R)
PT TEST (PATIENT by photo optical c		12.4	SECS	11.5 - 14.5
		10		
PT (CONTROL) by PHOTO OPTICAL C	LOT DETECTION	12	SECS	
by PHOTO OPTICAL C		12	SECS	
ISI by PHOTO OPTICAL C	CLOT DETECTION NORMALISED RATIO (INR)		SECS	0.80 - 1.20

INTERPRETATION:-

1.INR is the parameter of choice in monitoring adequacy of oral anti-coagulant therapy. Appropriate therapeutic range varies with the disease and treatment intensity.

2. Prolonged INR suggests potential bleeding disorder /bleeding complications

3. Results should be clinically correlated.

4. Test conducted on Citrated Plasma

INDICATION		INTERNATIO	DNAL NORMALIZED RATIO
Treatment of venous thrombosis			
Treatment of pulmonary embolism			
Prevention of systemic embolism in tissue heart valves			
Valvular heart disease	Low Intensity		2.0 - 3.0
Acute myocardial infarction			
Atrial fibrillation			
Bileaflet mechanical valve in aortic position			
Recurrent embolism			
Mechanical heart valve	High Intensity		2.5 - 3.5
Antiphospholipid antibodies ⁺			





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Test Name		Value Unit	Biological Reference interval

The prothrombin time (PT) and its derived measures of prothrombin ratio (PR) and international normalized ratio (INR) are measures of the efficacy of the extrinsic pathway of coagulation. PT test reflects the adequacy of factors I (fibrinogen), II (prothrombin), V, VII, and X. It is used in conjunction with the activated partial thromboplastin time (aPTT) which measures the intrinsic pathway. The common causes of prolonged prothrombin time are : 1.Oral Anticoagulant therapy.

2.Liver disease.

3.Vit K. deficiency.

4. Disseminated intra vascular coagulation.

5.Factor 5, 7, 10 or Prothrombin dificiency



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by PHOTO OPTICAL CLOT DETECTION

INTERPRETATION:-

The activated partial thromboplastin time (aPTT or APTT) is a performance indicator measuring the efficacy of both the **intrinsic** (now referred to as the contact activation pathway) and the common coagulation pathways. Apart from detecting abnormalities in blood clotting, it is also used to monitor the treatment effects with heparin, a major anticoagulant. It is used in conjunction with the prothrombin time (PT) which measures the extrinsic pathway.

COMMON CAUSES OF PROLONGED APTT :-

1. Disseminated intravascular coagulation.

- 2. Liver disease.
- 3. Massive transfusion with stored blood.
- 4. Heparin administration or contamination.
- 5. A circulating Anticogulant.
- 6. Deficiency of a coagulation Factor other than factor 7.



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BII IDUBIN TOTAT			N TEST (COMPLETE)	
BILIRUBIN TOTAL		0.33	mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY			ADULT: 0.00 - 1.20
BILIRUBIN DIRECT	Г (CONJUGATED): SERUM spectrophotometry	0.08	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM ECTROPHOTOMETRY	0.25	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	14.65	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	20.64	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM ECTROPHOTOMETRY	0.71	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen Propanol	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	91.82	U/L	40.0 - 130.0
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM	36.66	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.62	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.23	gm/dL	3.50 - 5.50
GLOBULIN: SERUN		3.39	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.25	RATIO	1.00 - 2.00

INTERPRETATION

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5





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HEPATOCELLULAR CA	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly In	creased)

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6

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Test Name		Value	Unit	Biological Reference interval
	KID	NEY FUNCTION	TEST (BASIC)	
UREA: SERUM by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)	26.15	mg/dL	10.00 - 50.00
CREATININE: SERU		0.97	mg/dL	0.40 - 1.40
	COGEN (BUN): SERUM	12.22	mg/dL	7.0 - 25.0
RATIO: SERUM	ROGEN (BUN)/CREATININE	12.6	RATIO	10.0 - 20.0
UREA/CREATININ		26.96	RATIO	
URIC ACID: SERUM		5.08	mg/dL	3.60 - 7.70

URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE



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burns, surgery, cachey 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. t INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia s DECREASED RATIO (<1 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (t 6. Inherited hyperamr 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacidos should produce an interap	tion plus . te or production or tissue breakdown (e.g. infec tia, high fever). (e.g. ureterocolostomy) ass (subnormal creatinine production) etracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE LEVELS: (BUN rises disproportionately more than creating uperimposed on renal disease. 0:1) WITH DECREASED BUN : isis. d starvation.	nine) (e.g. obstructive uropa acellular fluid). pular secretion of urea. hine).	





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

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	٢	Dr. Vinay Chopra 1D (Pathology & Micro Thairman & Consultant		t CE	Dr. Yugam MD D & Consultant	(Pathology	/)		
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. HARVINI : 54 YRS/MALE : : DR. HARPREE : 01523581 : KOS DIAGNOS : 6349/1, NICH	T SINGH	LA CANTT	COLLECTIO REPORTIN	AB NO. FION DATE ON DATE	: 07/Jai : 07/Jai	174 01070035 n/2025 04:20 I n/2025 04:23P n/2025 06:25P	PM	
Test Name			Value		Unit		Biological I	Reference inte	erval
		еі естра	NI VTEC -	COMDI E7	E PROFILE				
SODIUM: SERUM			JLY I ES 143.2	UMPLEI	mmol/L		135.0 - 150	0.0	
by ISE (ION SELECTIVE POTASSIUM: SERUN by ISE (ION SELECTIVE	A l		4.23		mmol/L		3.50 - 5.00		
CHLORIDE: SERUM	,		107.4		mmol/L		90.0 - 110.	.0	
balance & to transmit HYPONATREMIA (LOW 1. Low sodium intake.	ation of extra-ce nerve impulse. / SODIUM LEVEL)		-	-		y maintair	n osmotic pres	ssure & acid bas	e
NTERPRETATION:- SODIUM:- Sodium is the major of balance & to transmit HYPONATREMIA (LOW I. Low sodium intake.	ation of extra-ce nerve impulse. / SODIUM LEVEL) diarrhea & vomi opathy. ificiency . REASED SODIUM	CAUSES:- ting with adequate wa	-	-		y maintain	n osmotic pres	ssure & acid bas	e

KOS Diagnostic Lab (A Unit of KOS Healthcare)



Car

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







CLIENT ADDRESS			
CHILITI CODE.	: 6349/1. NICHOLSON ROAD. AMBALA (. 077 July 2020 00.201 W
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 07/Jan/2025 06:25PM
BARCODE NO.	: 01523581	COLLECTION DATE	: 07/Jan/2025 04:23PM
REFERRED BY	: DR. HARPREET SINGH	REGISTRATION DATE	: 07/Jan/2025 04:20 PM
COLLECTED BY	:	REG. NO./LAB NO.	: 012501070035
AGE/ GENDER	: 54 YRS/MALE	PATIENT ID	: 1718474
NAME	: Mr. HARVINDER SINGH		
	Dr. Vinay Chopra MD (Pathology & Microbiol Chairman & Consultant Pat	logy) MD	n Chopra D (Pathology) It Pathologist

4. Hemolysis of blood



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







KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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.





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

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	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mr. HARVINDER SINGH		
AGE/ GENDER	: 54 YRS/MALE	PATIENT ID	: 1718474
COLLECTED BY	:	REG. NO./LAB NO.	: 012501070035
REFERRED BY	: DR. HARPREET SINGH	REGISTRATION DATE	: 07/Jan/2025 04:20 PM
BARCODE NO.	: 01523581	COLLECTION DATE	: 07/Jan/2025 04:23PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 07/Jan/2025 05:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	
Test Name		Value Unit	Biological Reference interval

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)







	Dr. Vinay Cl MD (Pathology Chairman & Co			(Pathology)
NAME	: Mr. HARVINDER SINGH			
AGE/ GENDER	: 54 YRS/MALE		PATIENT ID	: 1718474
COLLECTED BY	:		REG. NO./LAB NO.	: 012501070035
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 07/Jan/2025 05:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	AMBALA CANTT	NEI ONTING DATE	. 077 July 2020 03.411 W
CLIENT ADDRESS	. 0343/ 1, MCHOLSON ROAD	, ANDALA CANT I		
Test Name		Value	Unit	Biological Reference interval
			2/COBALAMIN	
VITAMIN B12/COF by CMIA (CHEMILUMII INTERPRETATION:-	BALAMIN: SERUM	765 ASSAY)	pg/mL	190.0 - 890.0
by CMIA (CHEMILUMII INTERPRETATION:- INCREA	NESCENT MICROPARTICLE IMMUNO			
by CMIA (CHEMILUMII INTERPRETATION:- INCREA 1.Ingestion of Vitar	NESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C	ASSAY)	pg/mL DECREASED VITAMIN	N B12
by CMIA (CHEMILUMII INTERPRETATION:- INCREA: 1.Ingestion of Vitar 2.Ingestion of Estro	VESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen	ASSAY) 1.Pregna 2.DRUG	pg/mL DECREASED VITAMII ancy S:Aspirin, Anti-convulsants	N B12
by CMIA (CHEMILUMII INTERPRETATION:- INCREA 1.Ingestion of Vitar 2.Ingestion of Estro 3.Ingestion of Vitar	NESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen nin A	ASSAY) 1.Pregna 2.DRUG 3.Ethano	pg/mL DECREASED VITAMIN ancy S:Aspirin, Anti-convulsants of Igestion	N B12
by CMIA (CHEMILUMII INTERPRETATION:- INCREA: 1.Ingestion of Vitar 2.Ingestion of Estro	NESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen nin A njury	ASSAY) 1.Pregna 2.DRUG 3.Ethano 4. Contra	pg/mL DECREASED VITAMII ancy S:Aspirin, Anti-convulsants	N B12
by CMIA (CHEMILUMII INTERPRETATION:- INCREA: 1.Ingestion of Vitar 2.Ingestion of Vitar 3.Ingestion of Vitar 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia	NESCENT MICROPARTICLE IMMUNOA SED VITAMIN B12 nin C gen nin A njury	ASSAY) 1.Pregna 2.DRUG 3.Ethand 4. Contr. 5.Haem 6. Multi	pg/mL DECREASED VITAMIN ancy S:Aspirin, Anti-convulsants bil gestion aceptive Harmones odialysis ble Myeloma	N B12

*** End Of Report ***





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