



	Dr. Vinay Chopra MD (Pathology & Micr	obiology)		(Pathology)
	Chairman & Consultan	nt Pathologis	st CEO & Consultant	Pathologist
NAME	: Mr. DHARAMBIR GAMBHIR			
AGE/ GENDER	: 63 YRS/MALE		PATIENT ID	: 1507183
COLLECTED BY	:		REG. NO./LAB NO.	: 042503050001
REFERRED BY	:		REGISTRATION DATE	: 05/Mar/2025 09:15 AM
BARCODE NO.	: A1260607		COLLECTION DATE	: 05/Mar/2025 11:17AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AMB/	ALA CANTI	REPORTING DATE	: 05/Mar/2025 11:47AM
Test Name		Value	Unit	Biological Reference interval
	SWASTI	HYA WF	LLNESS PANEL: 1.5	5
			OOD COUNT (CBC)	
RED BLOOD CELL	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	11.1 ^L	gm/dL	12.0 - 17.0
RED BLOOD CELL	(RBC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.54 ^H	Millions/	/cmm 3.50 - 5.00
PACKED CELL VOL		34.1 ^L	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	61.6 ^L	fL	80.0 - 100.0
MEAN CORPUSCUI	AR HAEMOGLOBIN (MCH)	20.1 ^L	pg	27.0 - 34.0
MEAN CORPUSCUI	AR HEMOGLOBIN CONC. (MCHC)	32.5	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	15.7	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	36.1	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		11.12	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI by calculated	DEX	17.51	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE	LLS (WBCS)			
TOTAL LEUCOCYTI	E COUNT (TLC) y by sf cube & microscopy	6130	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) rt hematology analyzer	NIL		0.00 - 20.00
	BLOOD CELLS (nRBCS) % automated hematology analyzer	NIL	%	< 10 %
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER			





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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt - 133 001, Haryana

 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

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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	32	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS by flow cytometry by sf cube & microscopy ABSOLUTE LEUKOCYTES (WBC) COUNT	0	%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3372	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1962	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	306	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	490	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
ABSOLUTE IMMATURE GRANULOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	147000 ^L	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.18	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	12 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	78000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	52.7 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence	17	%	15.0 - 17.0



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







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Test Name	Value	Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	R	EPORTING DATE	: 05/Mar/2025 01:48PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI			
Test Name		Value	Unit	Biological Reference interval
CI VCOSVI ATED HA			MOGLOBIN (HBA1)	
WHOLE BLOOD	GLYCO EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY)	SYLATED HAP 5.9	MOGLOBIN (HBA1) %	C) 4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA	EMOGLOBIN (HbA1c):			
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	5.9	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D	5.9 122.63 IABETES ASSOCIAT	% mg/dL TON (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 D REFERENCE GROUP	5.9 122.63 IABETES ASSOCIAT	% mg/dL TON (ADA): COSYLATED HEMOGLOGIB	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 D REFERENCE GROUP abetic Adults >= 18 years	5.9 122.63 IABETES ASSOCIAT	% mg/dL TON (ADA): COSYLATED HEMOGLOGIB <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5.9 122.63 IABETES ASSOCIAT	% mg/dL TON (ADA): COSYLATED 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: NON dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years	5.9 122.63 IABETES ASSOCIAT	% mg/dL TON (ADA): COSYLATED 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: NON dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5.9 122.63	% mg/dL TON (ADA): <u>COSYLATED HEMOGLOGIB</u> <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	AEMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	5.9 122.63	% mg/dL TON (ADA): COSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years f Therapy:	4.0 - 6.4 60.00 - 140.00 (HBAIC) in % < 7.0
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: Non dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5.9 122.63	% mg/dL TON (ADA): <u>COSYLATED HEMOGLOGIB</u> <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %

COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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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 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com





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NAME	: Mr. DHARAMBIR GAMBHIR	2		
AGE/ GENDER	: 63 YRS/MALE	PATIENT		: 1507183
OLLECTED BY	:	REG. NO.	/LAB NO.	: 042503050001
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ARCODE NO.	: A1260607		ION DATE	:05/Mar/2025 11:17AM
LIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		ING DATE	:05/Mar/2025 12:29PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	ERYTHR	OCYTE SEDIMENTAT	TION RATE (ES	SR)
by RED CELL AGGRE NTERPRETATION: . ESR is a non-specif mmune disease, but 2. An ESR can be affe is C-reactive protein 3. This test may also ystemic lupus eryth	does not tell the health practitic cted by other conditions besides be used to monitor disease activ ematosus W ESR	t often indicates the preser oner exactly where the infla inflammation. For this reas ity and response to therapy	nmation is in the b on, the ESR is typic in both of the abo	associated with infection, cancer and auto-
low ESR can be see polycythaemia), sigr s sickle cells in sickl	n with conditions that inhibit the nificantly high white blood cell co e cell anaemia) also lower the E	ount (leucocytosis), and so	me protein abnorm	h as a high red blood cell count nalities. Some changes in red cell shape (such
(polycythaemia), sigr as sickle cells in sickle NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	nificantly high white blood cell co e cell anaemia) also lower the E e protein (C-RP) are both marker es not change as rapidly as does (by as many other factors as is ES ed, it is typically a result of two t we a higher ESR, and menstruatic	bunt (leucocytosis), and so SR. cRP, either at the start of in R, making it a better marke r ypes of proteins, globulins on and pregnancy can cause	ne protein abnorm flammation or as it of inflammation . or fibrinogen. temporary elevatio	nalities. Šome changes in red cell shape (such resolves.





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	Dr. Vinay Cl MD (Pathology a Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. DHARAMBIR GAMBHI	R		
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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPC	DRTING DATE	: 05/Mar/2025 01:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTRY	/BIOCHEMIST	'RY
		GLUCOSE FAS	FING (F)	

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHB : 6349/1, NICHOLSON ROA		REPORTING DATE	: 05/Mar/2025 01:38PM
Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		116.96	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	93.18	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBITI		40.39	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL by CALCULATED, SPE		57.93	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST by CALCULATED, SPE		76.57	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTERC by CALCULATED, SPE		18.64	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE		327.1 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	2.9	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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Page 7 of 20





RATIO

3.00 - 5.00

	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	jist Cl	Dr. Yugam MD 50 & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTI	NG DATE	: 05/Mar/2025 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Т		
Test Name		Value		Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.43		RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION:

1. 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.

2.31^L

2. As per NLA-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.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available

to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTI		

Test Name	Value	Unit	Biological Reference interval
LIVER	FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.53	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.14	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.39	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	22.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	17.4	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.32	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para Nitrophenyl phosphatase by amino methyl propanol	50.11	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	10.31	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.22	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.27	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.95	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.45	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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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

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







	Dr. Vinay Chopi MD (Pathology & Mid Chairman & Consulta	crobiology) ME	m Chopra D (Pathology) It Pathologist
NAME	: Mr. DHARAMBIR GAMBHIR		
AGE/ GENDER	: 63 YRS/MALE	PATIENT ID	: 1507183
COLLECTED BY	:	REG. NO./LAB NO.	: 042503050001
REFERRED BY	:	REGISTRATION DATE	: 05/Mar/2025 09:15 AM
BARCODE NO.	: A1260606	COLLECTION DATE	:05/Mar/2025 11:17AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 05/Mar/2025 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT	
Test Name		Value Unit	Biological Reference interval

	Test Name	Value	Unit	Biological Reference interval
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DECREASED:

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



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

MBBS, MD (PATHOLOGY)







Dr. Yugam Chopra MD (Pathology)

:1507183

:042503050001

:05/Mar/2025 09:15 AM

:05/Mar/2025 11:17AM

:05/Mar/202502:20PM

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. DHARAMBIR GAMBHIR **AGE/ GENDER** : 63 YRS/MALE **PATIENT ID COLLECTED BY** REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE BARCODE NO. COLLECTION DATE** :A1260606 CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Value Unit **Biological Reference interval** Test Name **KIDNEY FUNCTION TEST (COMPLETE)** UREA: SERUM 17.72 mg/dL 10.00 - 50.00 by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) **CREATININE: SERUM** 1.02 mg/dL 0.40 - 1.40 by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM 8.28 mg/dL 7.0 - 25.0 by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE 8.12^L RATIO 10.0 - 20.0 RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY **UREA/CREATININE RATIO: SERUM** 17.37 RATIO by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM 3.60 - 7.70 4.48mg/dL by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM 9.52 mg/dL 8.50 - 10.60 by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM 2.68mg/dL 2.30 - 4.70 by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY **ELECTROLYTES** SODIUM: SERUM 143.5 mmol/L 135.0 - 150.0 by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM 4.7mmol/L 3.50 - 5.00 by ISE (ION SELECTIVE ELECTRODE) 107.63 CHLORIDE: SERUM mmol/L 90.0 - 110.0 by ISE (ION SELECTIVE ELECTRODE) **ESTIMATED GLOMERULAR FILTERATION RATE** ESTIMATED GLOMERULAR FILTERATION RATE 82.6 (eGFR): SERUM

by CALCULATED

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

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

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

KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com



FEST PERFORMED AT KOS DIAGNOSTIC LAB.

AMBALA CANTT

NAME





	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	u gam Chopra MD (Pathology) sultant Pathologist	
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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
'est Name		Value Unit	t Biologic	al Reference interval
. Postrenal azotemia . Prerenal azotemia	superimposed on renal disease.	LEVELS: ore than creatinine) (e.g. obstructive u	uropathy).	
Postrenal azotemia Perenal azotemia Pecreased RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. PECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffu monemias (urea is virtually absered in appropriate antidiuretic harmone for (1) WITH INCREASED CREATININ py (accelerates conversion of createleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false incompany (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION Normal kidney funct	ore than creatinine) (e.g. obstructive u ses out of extracellular fluid). nt in blood). one) due to tubular secretion of urea. E: atine to creatinine). crease in creatinine with certain metho easurement). GFR (mL/min/1.73m2) ion >90	odologies,resulting in norn ASSOCIATED FINDINGS No proteinuria	nal ratio when dehydratic
Postrenal azotemia Prerenal azotemia ECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffu monemias (urea is virtually absered inappropriate antidiuretic harmone for:1) WITH INCREASED CREATININ py (accelerates conversion of createleases muscle creatinine). who develop renal failure. :: sis (acetoacetate causes false incompany (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION Normal kidney funct	ore than creatinine) (e.g. obstructive u ses out of extracellular fluid). nt in blood). one) due to tubular secretion of urea. E: atine to creatinine). crease in creatinine). <u>GFR (mL/min/1.73m2)</u> ion >90 h >90	nodologies,resulting in norm ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydratic
Postrenal azotemia Prerenal azotemia ECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERU CKD STAGE G1 G2	20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. (urea rather than creatinine diffu monemias (urea is virtually absered inappropriate antidiuretic harmone for:1) WITH INCREASED CREATININ py (accelerates conversion of createleases muscle creatinine). who develop renal failure. :: sis (acetoacetate causes false incompany (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION Normal kidney funct Kidney damage wit normal or high GFI	ore than creatinine) (e.g. obstructive u ses out of extracellular fluid). nt in blood). one) due to tubular secretion of urea. E: atine to creatinine). crease in creatinine). <u>E:</u> atine to creatinine with certain methol easurement). <u>GFR (mL/min/1.73m2)</u> ion >90 h >90 R	odologies,resulting in norn ASSOCIATED FINDINGS No proteinuria	nal ratio when dehydratic
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 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com







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	Pathology)

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of FR category reported as per KDIGO guideline 2012

eGFR with Cystatin C for confirmation of CKD

4. eGFR category G1 OR G2 does not fullfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated

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







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Dr. Yugam Chopra MD (Pathology) **CEO & Consultant Pathologist**

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	NTT	
Test Name	Value	Unit	Biological Reference interval

	IRON PROFILE	2	
IRON: SERUM by FERROZINE, SPECTROPHOTOMETRY	42.2 ^L	µg/dL	59.0 - 158.0
UNSATURATED IRON BINDING CAPACITY (UIBC) :SERUM by FERROZINE, SPECTROPHOTOMETERY	258.3	µg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) :SERUM by SPECTROPHOTOMETERY	300.5	µg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by Calculated, spectrophotometery (ferene)	14.04 ^L	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE) INTERPRETATION:-	213.36	mg/dL	200.0 - 350.0
VARIABLES ANEMIA OF CHRON	VIC DISEASE IRON DEF	ICIENCY ANEMIA	THALASSEMIA α/β TRAIT

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM IRON:	Normal to Reduced	Reduced	Normal
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal
% TRANSFERRIN SATURATION:	Decreased	Decreased < 12-15 %	Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased
IDON.			

IRON:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.

It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC):
 It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

% TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.





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

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







NAME		nt Pathologist	CEO & Consultant I	'Pathology) Pathologist
	: Mr. DHARAMBIR GAMBHIR			
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Test Name		Value	Unit	Biological Reference interval
		ENDOCRIN	DLOGY	
	THYR	OID FUNCTION	N TEST: TOTAL	
TRIIODOTHYRONIN by CMIA (CHEMILUMIN	IE (T3): SERUM escent microparticle immunoassay	0.812	ng/mL	0.35 - 1.93
THYROXINE (T4): S by CMIA (CHEMILUMIN	ERUM escent microparticle immunoassay	8	µgm/dL	4.87 - 12.60
	TING HORMONE (TSH): SERUM escent microparticle immunoassay rasensitive	1.641	µIU/mL	0.35 - 5.50
TSH levels are subject to c day has influence on the r triiodothyronine (T3).Fail		mulates the productio	n and secretion of the me	n. The variation is of the order of 50%.Hence time of t etabolically active hormones, thyroxine (T4)and r underproduction (hypothyroidism) or

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism , recent rapid correction of hyperthyroidism or hypothyroidism , pregnancy , phenytoin therapy.

TRIIODOTHYRONINE (T3)		THYROX	INE (T4)	THYROID STIMULATING HORMONE (TSH)		
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (μIU/mL)	
0 - 7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3	
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00	
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40	
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	





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 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	· · · · · ·	hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. DHARAMBIR GAMBH	IR		
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CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name		Value Unit		Biological Reference interv		erva	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50		
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50		
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50		
	RECO	DMMENDATIONS OF TSH L	EVELS DURING PRE	GNANCY (µIU/mL)	/		
	1st Trimester			0.10 - 2.50			
	2nd Trimester			0.20 - 3.00			
	3rd Trimester			0.30 - 4.10			

INCREASED TSH LEVELS:

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

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

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

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5.Acute psychiatric illness

6.Severe dehydration.

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

8. Pregnancy: 1st and 2nd Trimester





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.



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Test Name		Value	Unit	Biological Reference interval
	VT	VITAMI FAMIN D/25 HYDRO		
VITAMIN D (25-HYDROX by CLIA (CHEMILUMINESCEN	Y VITAMIN D3): SERU		ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>Interpretation:</u> Deficient:		< 20	ng/r	nl
INSUFFICIENT	T:	21 - 29	ng/r	
PREFFERED RAN INTOXICATIO		30 - 100 > 100	ng/r ng/r	
conversion of 7- dihydrocho 2.25-OHVitamin D represe issue and tidhtly bound by 3.Vitamin D plays a primary ohosphate reabsorption, sk 4.Severe deficiency may lea DECREASED: 1.Lack of sunshine exposure 2.Inadequate intake, malab 3.Depressed Hepatic Vitami 4.Secondary to advanced Li 5.Osteoporosis and Second 5.Enzyme Inducing drugs: a NCREASED:	blecalciferol to Vitamin ints the main body resev a transport protein why role in the maintenance eletal calcium depositic d to failure to mineraliz sorption (celiac disease in D 25- hydroxylase act ver disease ary Hyperparathroidism nti-epileptic drugs like p	D3 in the skin upon Ultra- voir and transport form of ile in circulation. ce of calcium homeostatis on, calcium mobilization. ze newly formed osteoid i e) ivity (Mild to Moderate defici ohenytoin, phenobarbital	violet exposure. Vitamin D and transpo It promotes calcium a mainly regulated by par n bone, resulting in rick ency) and carbamazepine, th	calciferol (from animals, Vitamin D3), or by rt form of Vitamin D, being stored in adipose absorption, renal calcium absorption and rathyroid harmone (PTH). sets in children and osteomalacia in adults. at increases Vitamin D metabolism. Vitamin D. When it occurs, it can result in

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Ch MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. DHARAMBIR GAMBHI	R			
AGE/ GENDER	: 63 YRS/MALE	PATIENT ID		: 1507183	
COLLECTED BY	:	REG. N	O./LAB NO.	: 042503050001	
REFERRED BY			FRATION DATE	: 05/Mar/2025 09:15 AM	
BARCODE NO.	: A1260606		CTION DATE	: 05/Mar/2025 11:17AM	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		TING DATE	: 05/Mar/2025 01:40PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name VITAMIN B12/COB/		Value VITAMIN B12/CO 1254.42 ^H	Unit BALAMIN pg/mL	Biological Reference interval 190.0 - 830	
VITAMIN B12/COB/ by CMIA (CHEMILUMINE INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOA	VITAMIN B12/CO 1254.42 ^H	BALAMIN pg/mL	190.0 - 830	
VITAMIN B12/COB/ by CMIA (CHEMILUMINE INTERPRETATION:- INCREASI	ESCENT MICROPARTICLE IMMUNOA	VITAMIN B12/CO 1254.42 ^H	BALAMIN	190.0 - 830	
VITAMIN B12/COB/ by CMIA (CHEMILUMINE INTERPRETATION:- INCREASI 1.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOA ED VITAMIN B12 in C	VITAMIN B12/CO 1254.42 ^H ISSAY)	BALAMIN pg/mL ECREASED VITAMIN	190.0 - 830	
VITAMIN B12/COB/ by CMIA (CHEMILUMINE <u>INTERPRETATION:-</u> INCREASI 1.Ingestion of Vitam 2.Ingestion of Estrog	ESCENT MICROPARTICLE IMMUNOA ED VITAMIN B12 in C en	VITAMIN B12/CO 1254.42 ^H ISSAY)	BALAMIN pg/mL ECREASED VITAMIN n, Anti-convulsants	190.0 - 830	
VITAMIN B12/COB/ by CMIA (CHEMILUMINE INTERPRETATION:- INCREASI _1.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOA ED VITAMIN B12 in C en in A	VITAMIN B12/CO 1254.42 ^H ISSAY)	BALAMIN pg/mL ECREASED VITAMIN h, Anti-convulsants	190.0 - 830	
VITAMIN B12/COB/ by CMIA (CHEMILUMINE INTERPRETATION:- INCREASI 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOA ED VITAMIN B12 in C en in A ury	VITAMIN B12/CO 1254.42 ^H ISSAY) 1.Pregnancy 2.DRUGS:Aspirit 3.Ethanol Igestic	BALAMIN pg/mL ECREASED VITAMIN h, Anti-convulsants on Harmones	190.0 - 830	

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.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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REFERRED BY	:		FRATION DATE	: 05/Mar/2025 09:15 AM
BARCODE NO.	: A1260608		CTION DATE	:05/Mar/2025 11:18AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, A		RTING DATE	: 05/Mar/2025 11:50AM
CLIENT ADDRESS	. 0349/ 1, NICHOLSON ROAD, F	AWIDALA CAN'I I		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	IOLOGY	
	URINE RO	UTINE & MICROSC	OPIC EXAMIN	ATION
PHYSICAL EXAMIN	ATION			
QUANTITY RECIEVE	D ANCE SPECTROPHOTOMETRY	10	ml	
COLOUR	ANCE SPECTROPHOTOMETRY	PALE YELLOW		PALE YELLOW
TRANSPARANCY		CLEAR		CLEAR
SPECIFIC GRAVITY	ANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
by DIP STICK/REFLECT, CHEMICAL EXAMIN	ANCE SPECTROPHOTOMETRY			
REACTION		ALKALINE		
PROTEIN	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECT. SUGAR	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECT, pH	ANCE SPECTROPHOTOMETRY	7.5		5.0 - 7.5
by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY			
BILIRUBIN by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN	ANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
ASCORBIC ACID	ANCE SPECTROPHOTOMETRY ANCE SPECTROPHOTOMETRY MINATION	NEGATIVE (-ve)		NEGATIVE (-ve)
RED BLOOD CELLS (NEGATIVE (-ve)	/HPF	0 - 3

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

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Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	/IBALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 05/Mar/2025 11:50AM
BARCODE NO.	: A1260608	COLLECTION DATE	:05/Mar/2025 11:18AM
REFERRED BY	:	REGISTRATION DATE	: 05/Mar/2025 09:15 AM
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rest name	value	Unit	biological Reference interval
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	3-4	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

** End Of Report ***





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