



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mr. O.P KAMBOJ				
AGE/ GENDER	: 72 YRS/MALE		PATIENT ID	: 930581	
COLLECTED BY	:		REG. NO./LAB NO.	:0125021800	005
REFERRED BY	:		REGISTRATION DATE	:18/Feb/2025	07:39 AM
BARCODE NO.	:01525687		COLLECTION DATE	:18/Feb/2025	11:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:18/Feb/2025	09:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT			
Test Name		Value	Unit	Biolo	gical Reference interval
			LLNESS PANEL: 1.(00D COUNT (CBC)		
RED BLOOD CELLS	(RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HI	B)	13.4	gm/dL	12.0	- 17.0
by CALORIMETRIC RED BLOOD CELL (1		4.56	Millions/	cmm 3.50	- 5.00
PACKED CELL VOLU		41.6	%	40.0	- 54.0
MEAN CORPUSCULA	UTOMATED HEMATOLOGY ANALYZER AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	91.2	fL	80.0	- 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	29.3	pg	27.0	- 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.1 ^L	g/dL	32.0	- 36.0
RED CELL DISTRIBU	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	15	%	11.00) - 16.00
RED CELL DISTRIBU	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	51.5	fL	35.0	- 56.0
MENTZERS INDEX by CALCULATED		20	RATIO	13.0	A THALASSEMIA TRAIT: < DEFICIENCY ANEMIA:
GREEN & KING IND by CALCULATED	Σ	29.91	RATIO	65.0	A THALASSEMIA TRAIT:<= DEFICIENCY ANEMIA: >
WHITE BLOOD CEI					
TOTAL LEUCOCYTE by FLOW CYTOMETRY	COUNT (TLC) by sf cube & microscopy	4570	/cmm	4000	- 11000
	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00	- 20.00
	LOOD CELLS (nRBCS) % utomated hematology analyzer	NIL	%	< 10 °	%





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

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

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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.



NAME

AGE/ GENDER

COLLECTED BY

REFERRED BY

BARCODE NO.

CLIENT CODE.





Dr. Yugam Chopra

MD (Pathology)

:930581

:012502180005

:18/Feb/202507:39AM

:18/Feb/202511:21AM

:18/Feb/202509:36AM

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant Pathologist : Mr. O.P KAMBOJ **PATIENT ID** : 72 YRS/MALE REG. NO./LAB NO. : **REGISTRATION DATE** : :01525687 **COLLECTION DATE** : KOS DIAGNOSTIC LAB **REPORTING DATE CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by SF cube & microscopy	57	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	35	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	7	%	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	2605	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	1600	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	46	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	320	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	99000 ^L	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.16	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	16 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	68000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	68.8 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	16.1	%	15.0 - 17.0
ADVICE	KINDLY CORRE	ELATE CLINICALLY	

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

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







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Test	¥71	TL.*4	

Test NameValueUnitBiological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED



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







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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 18/Feb/2025 02:22PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		SYLATED HAEMO		
WHOLE BLOOD	GLYCO EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY)	OSYLATED HAEMO 6.3	GLOBIN (HBA1C) %	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM	EMOGLOBIN (HbA1c):			
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM	EMOGLOBIN (HbA1c): mance liquid chromatography) E PLASMA GLUCOSE mance liquid chromatography)	6.3 134.11	% mg/dL	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORN ESTIMATED AVERAG by HPLC (HIGH PERFORN INTERPRETATION:	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I	6.3 134.11 DIABETES ASSOCIATION	% mg/dL (ADA):	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) EE PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP	6.3 134.11 DIABETES ASSOCIATION	% mg/dL (ADA): 'LATED HEMOGLOGIB (H	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) EE PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP Detic Adults >= 18 years	6.3 134.11 DIABETES ASSOCIATION	% mg/dL (ADA): LATED HEMOGLOGIB (H <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	6.3 134.11 DIABETES ASSOCIATION	% mg/dL (ADA): LATED HEMOGLOGIB (H <5.7 5.7 - 6.4	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) EE PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP Detic Adults >= 18 years	6.3 134.11 DIABETES ASSOCIATION	% mg/dL (ADA): LATED HEMOGLOGIB (H <5.7 5.7 - 6.4 >= 6.5	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	6.3 134.11 DIABETES ASSOCIATION	% mg/dL (ADA): LATED HEMOGLOGIB (H <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Dia	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes)	6.3 134.11 DIABETES ASSOCIATION O GLYCOSY	% mg/dL (ADA): LATED HEMOGLOGIB (H <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Dia	EMOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP Detic Adults >= 18 years Risk (Prediabetes) Agnosing Diabetes	6.3 134.11 DIABETES ASSOCIATION O GLYCOSY GOals of The	% mg/dL (ADA): LATED HEMOGLOGIB (H <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years ested: Age < 19 Years	4.0 - 6.4 60.00 - 140.00 HBAIC) in %

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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 appropiate.

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 faisely 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)

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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	١	Dr. Vinay Cho 1D (Pathology & 1 Chairman & Consu	Microbiology)		(Pathology)
AME	: Mr. O.P KAM	вој			
GE/ GENDER	: 72 YRS/MALE	2		PATIENT ID	: 930581
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ARCODE NO.	:01525687			COLLECTION DATE	: 18/Feb/2025 11:21AM
LIENT CODE.	: KOS DIAGNOS	STIC LAB		REPORTING DATE	: 18/Feb/2025 09:58AM
LIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, A	MBALA CANTT		
est Name			Value	Unit	Biological Reference interva
NTERPRETATION:	G 1 1 1		C1 1 11 1		ion associated with infection, cancer and aut





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		Chopra / & Microbiology) onsultant Pathologist	Dr. Yugarr MD CEO & Consultant	(Pathology)
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BARCODE NO.	: 01525687	COLL	ECTION DATE	: 18/Feb/2025 11:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	DRTING DATE	: 18/Feb/2025 10:50AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY	/BIOCHEMIST	'RY
		GLUCOSE FAS	ГING (F)	
		146.97 ^H	mg/dL	NORMAL: < 100.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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.





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: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



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	MD (Pathology & Chairman & Cons			(Pathology) Pathologist
NAME	: Mr. O.P KAMBOJ			
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 18/Feb/2025 03:54PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	G	LUCOSE POS	T PRANDIAL (PP)	
	ANDIAL (PP): PLASMA E - PEROXIDASE (GOD-POD)	107.44	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A post-prandial plasma glucose level below 140 mg/dl is considered normal. 2. A post-prandial glucose level between 140 - 200 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 post-prandial plasma glucose level of above 200 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.



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

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

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E . DASIC	
CHOLECTEDAL TO				OPTIMAL: < 200.0
CHOLESTEROL TOT by CHOLESTEROL OX		132.16	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)	65.18	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		69.72	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		49.4	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		62.44	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		13.04	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	UM	329.5 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	1.9	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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

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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		0.71	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		0.93 ^L	RATIO	3.00 - 5.00

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. 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.

 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.
 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





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

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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. O.P KAMBOJ **AGE/ GENDER** : 72 YRS/MALE **PATIENT ID** :930581 **COLLECTED BY** :012502180005 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** :18/Feb/202507:39 AM : **BARCODE NO.** :01525687 **COLLECTION DATE** :18/Feb/202511:21AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :18/Feb/202511:10AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 1.01 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY

by DIAZOTIZATION, SPECTROPHOTOMETRY	1.01	ing/ ull	ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.22	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.79	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	20.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	22.1	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.92	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	68.05	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	14.38	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.58	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.11	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.47	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.66	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)

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL/		. 10/ Feb/ 2023 11.10AM
BARCODE NO. CLIENT CODE.	: 01525687 : KOS DIAGNOSTIC LAB	COLLECTION DATE REPORTING DATE	: 18/Feb/2025 11:21AM : 18/Feb/2025 11:10AM
REFERRED BY	:	REGISTRATION DATE	: 18/Feb/2025 07:39 AM
COLLECTED BY	:	REG. NO./LAB NO.	: 012502180005
AGE/ GENDER	: 72 YRS/MALE	PATIENT ID	: 930581
NAME	: Mr. O.P KAMBOJ		
	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P	iology) MD	n Chopra D (Pathology) It Pathologist

Test Name	Value	Unit	Biological Reference interval

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)

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	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)	
NAME	: Mr. O.P KAMBOJ				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
	KIDNI	EY FUNCTION	TEST (COMPLETE)		
UREA: SERUM		20.17	mg/dL	10.00 - 50.00	
	NATE DEHYDROGENASE (GLDH)	0.00	Ũ		
CREATININE: SER		0.93	mg/dL	0.40 - 1.40	
BLOOD UREA NITE	ROGEN (BUN): SERUM	9.43	mg/dL	7.0 - 25.0	
	by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE		RATIO	10.0 - 20.0	
RATIO: SERUM		10.14	in 110	10.0 20.0	
•	ECTROPHOTOMETRY	21.60	RATIO		
UREA/CREATININ by CALCULATED, SPE	ECTROPHOTOMETRY	21.69	KATIO		
URIC ACID: SERUM		3.48 ^L	mg/dL	3.60 - 7.70	
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.17	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE			Ũ		
PHOSPHOROUS: SE	ERUM DATE, SPECTROPHOTOMETRY	2.7	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM		142.9	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV		4.94	mm al/I		
POTASSIUM: SERU by ISE (ION SELECTIV		4.94	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	-	107.18	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV FSTIMATED GLON	/E ELECTRODE) MERULAR FILTERATION RATE				
	IERULAR FILTERATION RATE	87.2			

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.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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

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	1	Dr. Vinay Chopra 1D (Pathology & Micr Chairman & Consultar	obiology)		Yugam Ch MD (Path Insultant Patho	ology)			
AME	: Mr. O.P KAM	вој							
GE/ GENDER	: 72 YRS/MAL	E	F	PATIENT ID	:9	30581			
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Fest Name			Value	Un	it	Biolog	gical Refer	rence inter	rval
7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar	xia, high fever). (e.g. ureter colo ass (subnormal e tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR osis. Ind starvation.	stomy) creatinine production cocorticoids) TED CREATININE LEVE roportionately more t n renal disease.) LS:	n, GI bleeding, thy e) (e.g. obstructive		ushing's sync	Irome, high	i protein die	et,
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 2. Cow protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. 7. Phenacimide thera 7. Rhabdomyolysis (r 7. Diabetic ketoacido should produce an in 7. Cephalosporin ther 5. STIMATED GLOMERL 61 62	xia, high fever). (e.g. ureter colo ass (subnormal of tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECRI osis. Id starvation. 2. creased urea syr urea rather thar monemias (urea of inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop ref sis (acetoacetate creased BUN/creased apy (interferes v ILAR FILTERATION Nor Nor	stomy) creatinine production cocorticoids) TED CREATININE LEVE coportionately more to n renal disease. EASED BUN : thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). tal failure. e causes false increas eatinine ratio). vith creatinine measu NATE: DESCRIPTION mal kidney function dney damage with prmal or high GFR) LS: han creatinin ut of extrace blood). due to tubula to creatinine e in creatinine rement). GFR (mL	e) (e.g. obstructive llular fluid). ar secretion of urea e). e with certain met <u>./min/1.73m2)</u> >90 >90	e uropathy). n. hodologies,r ASSOCIA No p Presence		ormal ratio		
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	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	ology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. O.P KAMBOJ		
AGE/ GENDER	: 72 YRS/MALE	PATIENT ID	: 930581
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Feb/2025 11:33AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue Unit	Biological Reference interval

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 CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill 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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CHEMICAL EXAMINATION REACTION by DIP STICK/REFLECTANCE SPECTROPHOTO PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTO SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO STICK/REFLECTANCE SPECTROPHOTO SETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO		1.01		1.002 - 1.030
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTO PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTO SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY			
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTO SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTO PH by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO		ALKALINE		
by DIP STICK/REFLECTANCE SPECTROPHOTO SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTO PH by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY			
by DIP STICK/REFLECTANCE SPECTROPHOTO pH by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTO WROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	Negative		NEGATIVE (-ve)
pH by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTO BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTO NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	JMETRY	7.5		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTO NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	N		
by DIP STICK/REFLECTANCE SPECTROPHOTO UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	Negative		NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTO KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	Negative		NEGATIVE (-ve)
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTO	JMETRY.	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	Negative		
PT 0.0P	OMETRY	Negative		NEGATIVE (-ve)
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTO	OMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTO		NEGATIVE (-v	ve)	NEGATIVE (-ve)
<u>MICROSCOPIC EXAMINATION</u> RED BLOOD CELLS (RBCs)		NEGATIVE (-v	ve) /HPF	0 - 3

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

 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
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NANGE



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

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

NAME	: Mr. O.P KAMBOJ			
AGE/ GENDER	: 72 YRS/MALE	P	PATIENT ID	: 930581
COLLECTED BY	:	F	REG. NO./LAB NO.	: 012502180005
REFERRED BY	:	F	REGISTRATION DATE	: 18/Feb/2025 07:39 AM
BARCODE NO.	: 01525687	C	COLLECTION DATE	: 18/Feb/2025 11:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	F	REPORTING DATE	: 18/Feb/2025 09:03AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON O	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	2-4	/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 ***



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

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

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 www.koshealthcare.com

