



	Dr. Vinay Chopre MD (Pathology & Micr Chairman & Consultar	robiology)		(Pathology)
NAME	: Mrs. KHUSHVINDER KAUR			
AGE/ GENDER	: 31 YRS/FEMALE		PATIENT ID	: 1790322
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503130044
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 13/Mar/2025 12:44 PM
BARCODE NO.	: 01527069		COLLECTION DATE	: 13/Mar/2025 12:57PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 13/Mar/2025 01:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT I		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWAST	HYA WE	LLNESS PANEL: 1.	n
			DOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB		10.9 <sup>L</sup>	gm/dL	12.0 - 16.0
by CALORIMETRIC	DC) COUNT		Milliona	/
RED BLOOD CELL (R by HYDRO DYNAMIC FO	BC) COUN I CUSING, ELECTRICAL IMPEDENCE	4.46	Millions	/cmm 3.50 - 5.00
PACKED CELL VOLU	ME (PCV) TOMATED HEMATOLOGY ANALYZER	34.5 <sup>L</sup>	%	37.0 - 50.0
MEAN CORPUSCULA	R VOLUME (MCV)	77.4 <sup>L</sup>	fL	80.0 - 100.0
	tomated hematology analyzer R HAEMOGLOBIN (MCH)	24.5 <sup>L</sup>	pg	27.0 - 34.0
by CALCULATED BY AU	TOMATED HEMATOLOGY ANALYZER			
	R HEMOGLOBIN CONC. (MCHC) TOMATED HEMATOLOGY ANALYZER	31.6 <sup>L</sup>	g/dL	32.0 - 36.0
	TION WIDTH (RDW-CV)	14.9	%	11.00 - 16.00
•	TOMATED HEMATOLOGY ANALYZER TION WIDTH (RDW-SD)	43.1	fL	35.0 - 56.0
by CALCULATED BY AU	TOMATED HEMATOLOGY ANALYZER			
MENTZERS INDEX by CALCULATED		17.35	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
GREEN & KING INDE	TY	25.92	RATIO	>13.0 BETA THALASSEMIA TRAIT:<=
by CALCULATED		23.32	KATIO	65.0
				IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CEL	LS (WBCS)			65.0
TOTAL LEUCOCYTE		6580	/cmm	4000 - 11000
NUCLEATED RED BL	OOD CELLS (nRBCS)	NIL		0.00 - 20.00
	HEMATOLOGY ANALYZER			





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.





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	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	59	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	30	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	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	3882	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1974	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	329	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	395	/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	293000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.3	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	10	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	81000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	27.6	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.1	%	15.0 - 17.0





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	V 1	TT •.	

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



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Pathology &	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		n <b>Chopra</b> (Pathology) Pathologist
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LIENT CODE.	: KOS DIAGNOSTIC LAB	RI	PORTING DATE	: 13/Mar/2025 01:18PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
systemic lupus eryth CONDITION WITH LO	be used to monitor disease activ ematosus	e normal sedimentat	ion of red blood cells, s	bove diseases as well as some others, such as





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Test Name		Value	Unit	Biological Reference interval
	CLINI		STRY/BIOCHEMIST E FASTING (F)	'nY
GLUCOSE FASTING by glucose oxidas	e (F): PLASMA e - peroxidase (god-pod)	92.88	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

INTERPRETATION 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.





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KOS Diagnostic Lab (A Unit of KOS Healthcare)

		C <b>hopra</b> y & Microbiology) consultant Pathologi		(Pathology)
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Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PR	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O>		167.25	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	130.52	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 70N	48.92	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO by CALCULATED, SPE		92.23	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 CHOLES' by Calculated, spe		118.33	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 CHOLESTER(		26.1	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF by CALCULATED, SPE	RUM	465.02	mg/dL	350.00 - 700.00
CHOLESTEROL/HI by CALCULATED, SPE	DL RATIO: SERUM	3.42	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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.89	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		2.67 <sup>L</sup>	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.

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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**COLLECTION DATE** 

**REPORTING DATE** 

Dr. Yugam Chopra

MD (Pathology)

:1790322

:012503130044

: 13/Mar/2025 12:44 PM

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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mrs. KHUSHVINDER KAUR : 31 YRS/FEMALE **PATIENT ID** : SURJESH REG. NO./LAB NO. : **REGISTRATION DATE** 

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Test Name	Value	Unit	<b>Biological Reference interval</b>
	FUNCTION		
LIVER	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.33	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.21	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.9	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	0.86	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	79.55	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	32.93	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.61	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.35	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.26	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.33	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)





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NAME

AGE/ GENDER

**COLLECTED BY** 





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	Dr. Vinay Cho	opra I	Dr. Yugarr	Chopra

## 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).

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



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	KIDNE	Y FUNCTION TE	ST (COMPLETE)		
UREA: SERUM		25.01	mg/dL	10.00 - 50.00	
•	NATE DEHYDROGENASE (GLDH)		Ũ		
CREATININE: SER	UM CTROPHOTOMETERY	0.93	mg/dL	0.40 - 1.20	
BLOOD UREA NITH	ROGEN (BUN): SERUM	11.69	mg/dL	7.0 - 25.0	
by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE		12.57	RATIO	10.0 - 20.0	
RATIO: SERUM	(DUN)/ CREATININE	12.57	KATIO	10.0 - 20.0	
-	ECTROPHOTOMETRY				
UREA/CREATININ by CALCULATED, SPI	E RATIO: SERUM ECTROPHOTOMETRY	26.89	RATIO		
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM		7.3 <sup>H</sup>	mg/dL	2.50 - 6.80	
		9.48	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE	ECTROPHOTOMETRY	5.40	iiig/ uL	8.50 - 10.00	
	PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY		mg/dL	2.30 - 4.70	
ELECTROLYTES	DATE, SPECIROPHOTOMETRY				
SODIUM: SERUM		140.2	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIN					
POTASSIUM: SERU by ISE (ION SELECTIV		4.01	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM		105.15	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIN	/E ELECTRODE) MERULAR FILTERATION RATE				
	IERULAR FILTERATION RATE	84.3			
(eGFR): SERUM	IERULAR FILIERATIUN KATE	04.3			
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.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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	MD (Path		ChopraDr. Yugam Chopraty & Microbiology)MD (Pathology)Consultant PathologistCEO & Consultant Pathologist				
AME	: Mrs. KHUSHV	/INDER KAUR					
GE/ GENDER	: 31 YRS/FEMA	LE	PATIENT	ID	: 1790322		
OLLECTED BY	: SURJESH		<b>REG. NO.</b> /	'LAB NO.	. : 012503130044		
EFERRED BY	•			ATION DATE	: 13/Mar/2025 12:		
ARCODE NO.	: 01527069			ION DATE	: 13/Mar/2025 12:57PM		
LIENT CODE.	: KOS DIAGNOS		REPORTI		: 13/Mar/2025 01:		
				NGDAIL	. 13/ Mai / 2023 01.	.436 101	
LIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, AMBA	ALA CANT I				
'est Name			Value	Unit	Biologica	cal Reference interval	
. Prerenal azotemia	superimposed on	renal disease.	han creatinine) (e.g. ol	ostructive urop	athy).		
Prerenal azotemia <b>DECREASED RATIO</b> (<         Acute tubular necr         Low protein diet al         Severe liver diseas         Other causes of de         Repeated dialysis         Inherited hyperam         SIADH (syndrome of         Pregnancy. <b>DECREASED RATIO</b> (<         Phenacimide thera         Rhabdomyolysis (r         Muscular patients <b>NAPPROPIATE RATIO</b> Diabetic ketoacido hould produce an in         Cephalosporin the <b>STIMATED GLOMERI CKD STAGE</b>	superimposed on 10:1) WITH DECREA osis. Ind starvation. e. creased urea synt (urea rather than imonemias (urea i of inappropiate an 10:1) WITH INCREA py (accelerates co eleases muscle cr who develop rena creased BUN/crea rapy (interferes wi JLAR FILTERATION	apportionately more the renal disease. ASED BUN : ASED BUN : ASED BUN : attests. creatinine diffuses of tridiuretic harmone) of ASED CREATININE: proversion of creatine reatinine). al failure. causes false increase attinine ratio). ith creatinine measur RATE: DESCRIPTION	han creatinine) (e.g. of ut of extracellular fluid blood). due to tubular secretic to creatinine). e in creatinine with ce rement).	d). on of urea. rtain methodol	ogies,resulting in norm	nal ratio when dehydrat	
. Prerenal azotemia ECREASED RATIO (< . Acute tubular necr . Low protein diet al . Severe liver diseas . Other causes of de . Repeated dialysis . Inherited hyperam . SIADH (syndrome of . Pregnancy. ECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients NAPPROPIATE RATIO . Diabetic ketoacido nould produce an in . Cephalosporin the STIMATED GLOMERU	superimposed on 10:1) WITH DECREA tosis. Ind starvation. e. ecreased urea synt (urea rather than imonemias (urea in the propiate an 10:1) WITH INCREA top (accelerates con- teleases muscle cr who develop rena bis (acetoacetate icreased BUN/creation Creation of the propiate of the trapy (interferes with JLAR FILTERATION	apportionately more the renal disease. ASED BUN : ASED BUN : ASED BUN : attaction diffuses of a virtually absent in the attaction of creatine cation of creatine treatinine). al failure. causes false increase attinine ratio). ith creatinine measur RATE:	han creatinine) (e.g. ol ut of extracellular fluid blood). due to tubular secretic to creatinine). e in creatinine with ce rement).	d). on of urea. rtain methodol <b>3m2 ) A</b> t	ogies,resulting in norm	nal ratio when dehydrat	
Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin thera STIMATED GLOMERI CKD STAGE G1 G2	superimposed on 10:1) WITH DECREA rosis. Ind starvation. e. creased urea synt (urea rather than imonemias (urea in the synthesis (urea in the	apportionately more the renal disease. ASED BUN : ASED BUN : ASED BUN : creatinine diffuses of is virtually absent in latidiuretic harmone) of ASED CREATININE: proversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	han creatinine) (e.g. of ut of extracellular fluid blood). due to tubular secretic to creatinine). e in creatinine with cer rement). GFR (mL/min/1.7 >90 >90	d). on of urea. rtain methodol <u>3m2 ) At</u>	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria	nal ratio when dehydrat	
Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin thera TIMATED GLOMERI G1 G2 G3a	superimposed on 10:1) WITH DECREA rosis. Ind starvation. e. creased urea synt (urea rather than imonemias (urea in the synthesis (urea in the	apportionately more the renal disease. ASED BUN : ASED BUN : ASED BUN : creatinine diffuses of is virtually absent in latidiuretic harmone) of ASED CREATININE: proversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measure RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR	han creatinine) (e.g. of ut of extracellular fluid blood). due to tubular secretic to creatinine). e in creatinine with cer rement). GFR (mL/min/1.7 >90 >90 60 -89	d). on of urea. rtain methodol <u>3m2 ) At</u>	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydrat	
Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2 G3a G3b	superimposed on 10:1) WITH DECREA rosis. Ind starvation. e. ecreased urea synt (urea rather than imonemias (urea in the propiate an 10:1) WITH INCREA upy (accelerates con- releases muscle cr who develop rema- bis (acetoacetate icreased BUN/creation creased BUN/creation DLAR FILTERATION LAR FILTERATION Norm Kid noi Millo Moder	apportionately more the renal disease. ASED BUN : ASED BUN : creatinine diffuses of is virtually absent in latidiuretic harmone) of ASED CREATININE: proversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measure RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR rate decrease in GFR	han creatinine) (e.g. of ut of extracellular fluid blood). due to tubular secretic to creatinine). e in creatinine with cer rement). GFR (mL/min/1.7 >90 >90 60 -89 30-59	d). on of urea. rtain methodol <u>3m2 ) At</u>	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydrat	
Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin thera STIMATED GLOMERI G1 G2 G3a	superimposed on 10:1) WITH DECREA rosis. Ind starvation. e. ecreased urea synt (urea rather than imonemias (urea in the propiate an 10:1) WITH INCREA upy (accelerates con- releases muscle cr who develop rema- bis (acetoacetate icreased BUN/creation Creation of the pro- sis (acetoacetate icreased BUN/creation DIAR FILTERATION Norm Kidu noi Millo Seve	apportionately more the renal disease. ASED BUN : ASED BUN : ASED BUN : creatinine diffuses of is virtually absent in latidiuretic harmone) of ASED CREATININE: proversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measure RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR	han creatinine) (e.g. of ut of extracellular fluid blood). due to tubular secretic to creatinine). e in creatinine with cer rement). GFR (mL/min/1.7 >90 >90 60 -89	d). on of urea. rtain methodol <u>3m2 ) At</u>	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydrat	



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	<b>Dr. Vinay Chopra</b> MD (Pathology & Micro Chairman & Consultant	obiology) MD	n Chopra D (Pathology) It Pathologist
NAME	: Mrs. KHUSHVINDER KAUR		
AGE/ GENDER	: 31 YRS/FEMALE	PATIENT ID	: 1790322
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012503130044
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 13/Mar/2025 12:44 PM
BARCODE NO.	: 01527069	COLLECTION DATE	: 13/Mar/2025 12:57PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 13/Mar/2025 01:43PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	
			<u>/</u>
Test Name		Value Unit	<b>Biological Reference interval</b>

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



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CLIENT ADDRESS	: 0349/1, NICHOLSON KOAD,	AMBALA CANTI		
Test Name		Value	Unit	<b>Biological Reference interval</b>
			01.0.01	
		CLINICAL PATH		
		OUTINE & MICROSCO	<b>DPIC EXAMIN</b>	ATION
PHYSICAL EXAMIN		10		
QUANTITY RECIEV by DIP STICK/REFLEC	ED TANCE SPECTROPHOTOMETRY	10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY		1.01		1.002 - 1.030
CHEMICAL EXAMI	NATION			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	6		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	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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Test Name		Value	Unit	Biological Reference interval

1-3	/HPF	0 - 5
2-4	/HPF	ABSENT
NEGATIVE (-ve)		NEGATIVE (-ve)
ABSENT		ABSENT
	2-4 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)	2-4 /HPF NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)

\*\* End Of Report \*\*\*



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