



	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultan	obiology)		(Pathology)
NAME	: Mr. BALJINDER SINGH			
AGE/ GENDER	: 55 YRS/MALE		PATIENT ID	: 1793388
COLLECTED BY	:		<b>REG. NO./LAB NO.</b>	: 012503160020
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 16/Mar/2025 09:35 AM
BARCODE NO.	:01527171		COLLECTION DATE	: 16/Mar/2025 09:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Mar/2025 10:05AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANT I		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWASTI	HVA WF	LLNESS PANEL: 1.0	
			OOD COUNT (CBC)	u de la construcción de
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HE		11.1 <sup>L</sup>	gm/dL	12.0 - 17.0
by CALORIMETRIC			U U	
RED BLOOD CELL (I by HYDRO DYNAMIC FO	RBC) COUNT DCUSING, ELECTRICAL IMPEDENCE	3.53	Millions/	/cmm 3.50 - 5.00
PACKED CELL VOLU	ME (PCV) JTOMATED HEMATOLOGY ANALYZER	33.5 <sup>L</sup>	%	40.0 - 54.0
MEAN CORPUSCULA	AR VOLUME (MCV)	94.8	fL	80.0 - 100.0
,	JTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	31.3	pg	27.0 - 34.0
by CALCULATED BY AU	JTOMATED HEMATOLOGY ANALYZER			
	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	33	g/dL	32.0 - 36.0
	JTION WIDTH (RDW-CV)	14.2	%	11.00 - 16.00
	JTOMATED HEMATOLOGY ANALYZER JTION WIDTH (RDW-SD)	50.1	fL	35.0 - 56.0
by CALCULATED BY AU MENTZERS INDEX	JTOMATED HEMATOLOGY ANALYZER	90.90	DATIO	
by CALCULATED		26.86	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
GREEN & KING IND	EX	37.96	RATIO	>13.0 BETA THALASSEMIA TRAIT:<=
by CALCULATED				65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CEI	LS (WBCS)			
TOTAL LEUCOCYTE		5920	/cmm	4000 - 11000
	by sf cube & microscopy LOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	T HEMATOLOGY ANALYZER			
•	LOOD CELLS (nRBCS) %	NIL	%	< 10 %





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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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	63	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	28	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	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	3730	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1658	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	237	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	296	/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	159000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.2	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	12 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	67000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	42.3	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence	16.6	%	15.0 - 17.0



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

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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D       : 1793388         AB NO.       : 012503160020         FION DATE       : 16/Mar/2025 09:35 AM         IN DATE       : 16/Mar/2025 09:37AM         G DATE       : 16/Mar/2025 10:38AM         Unit       Biological Reference inter         ON RATE (ESR)       mm/1st hr       0 - 20
AB NO.       : 012503160020         FION DATE       : 16/Mar/2025 09:35 AM         N DATE       : 16/Mar/2025 09:37AM         G DATE       : 16/Mar/2025 10:38AM         Unit       Biological Reference inter         ON RATE (ESR)
FION DATE       : 16/Mar/2025 09:35 AM         IN DATE       : 16/Mar/2025 09:37AM         G DATE       : 16/Mar/2025 10:38AM         Unit       Biological Reference inter         ON RATE (ESR)
N DATE : 16/Mar/2025 09:37AM G DATE : 16/Mar/2025 10:38AM Unit Biological Reference inter ON RATE (ESR)
G DATE : 16/Mar/2025 10:38AM Unit Biological Reference inter ON RATE (ESR)
Unit Biological Reference inter ON RATE (ESR)
ON RATE (ESR)
ON RATE (ESR)
e of inflammation associated with infection, cancer and a nation is in the body or what is causing it. a, the ESR is typically used in conjunction with other test both of the above diseases as well as some others, suc blood cells, such as a high red blood cell count protein abnormalities. Some changes in red cell shape mmation or as it resolves. f inflammation. fibrinogen. mporary elevations. nide, theophylline, and vitamin A can increase ESR, whil





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	MD	. Vinay Chopra (Pathology & Micro irman & Consultan	obiology)	Dr. Yugan MD CEO & Consultant	(Pathology)	
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CLIENT ADDRESS	: 6349/1, NICHOI	LSON ROAD, AMBA	LA CANTT			
Test Name			Value	Unit	<b>Biological Reference in</b>	iterva
		CLINICAL	CHEMISTRY	Y/BIOCHEMIST	ſRY	
		0	LUCOSE FAS	STING (F)		
GLUCOSE FASTING	G (F): PLASMA SE - PEROXIDASE (GOL	POD	107.92 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 -	195.0

**IN ACCRDANCE 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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Page 5 of 14





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CLIENT ADDRESS : 6349/1, NIC	CHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	<b>Biological Reference interval</b>
	LIPID PR	ROFILE : BASIC	
CHOLESTEROL TOTAL: SERUM	153.94	mg/dL	<b>OPTIMAL:</b> < 200.0
by CHOLESTEROL OXIDASE PAP	100.04	iiig/ uL	BORDERLINE HIGH: 200.0 -
			239.0
			HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM	252.81 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPHATE OXIDASE (I	ENZYMATIC)		BORDERLINE HIGH: 150.0 -
			199.0 HIGH: 200.0 - 499.0
			VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROL (DIRECT): SI by SELECTIVE INHIBITION	ERUM 43.78	mg/dL	LOW HDL: < 30.0
by Selective initiation			BORDERLINE HIGH HDL: 30.0 60.0
			HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL: SERUM	59.6	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPECTROPHOTOMET	IRY		ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 -
			159.0
			HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTEROL: SERUN	A 110.16	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPECTROPHOTOMET			ABOVE OPTIMAL: 130.0 - 159.0
			BORDERLINE HIGH: 160.0 - 189.0
			HIGH: 190.0 - 219.0
			VERY HIGH: $> OR = 220.0$
VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	<b>50.56<sup>H</sup></b>	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM	560.69	mg/dL	350.00 - 700.00
by CALCULATED, SPECTROPHOTOME CHOLESTEROL/HDL RATIO: SER		RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPECTROPHOTOMET		KATIO	AVERAGE RISK: 4.50 - 7.0
			MODERATE RISK: 7.10 - 11.0
			HIGH RISK: > 11.0
1 TONE AND TO		٥	
	20 20	Upplya	

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Page 6 of 14





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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.36	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		5.77 <sup>H</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.

 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





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Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER	FUNCTION 7	FEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI		0.62	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	(CONJUGATED): SERUM	0.18	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CCT (UNCONJUGATED): SERUM	0.44	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	12.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	20.7	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	0.62	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	61.33	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	39.67	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.95	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.17	gm/dL	3.50 - 5.50
by BROMOCRESOL G GLOBULIN: SERUN		2.78	gm/dL	2.30 - 3.50
by CALCULATED, SPE	ECTROPHOTOMETRY		Ū	
A : G RATIO: SERUI	M	1.5	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

**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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**INTERPRETATION** 





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Test Name		Value Unit	Biological Reference interva

## 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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Test Name		Value	Unit	<b>Biological Reference interval</b>	
	KIDNE	Y FUNCTION T	EST (COMPLETE)		
UREA: SERUM by UREASE - GLUTAM	IATE DEHYDROGENASE (GLDH)	45.96	mg/dL	10.00 - 50.00	
CREATININE: SERU	JM	1.05	mg/dL	0.40 - 1.40	
BLOOD UREA NITR by CALCULATED, SPE	COGEN (BUN): SERUM	21.48	mg/dL	7.0 - 25.0	
BLOOD UREA NITE RATIO: SERUM by CALCULATED, SPE	COGEN (BUN)/CREATININE	20.46 <sup>H</sup>	RATIO	10.0 - 20.0	
UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	43.77	RATIO		
URIC ACID: SERUM	1	6.62	mg/dL	3.60 - 7.70	
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	9.25	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE by PHOSPHOMOLYBE	RUM DATE, SPECTROPHOTOMETRY	3.05	mg/dL	2.30 - 4.70	
<u>ELECTROLYTES</u>					
SODIUM: SERUM by ISE (ION SELECTIV		140.8	mmol/L	135.0 - 150.0	
POTASSIUM: SERUE by ISE (ION SELECTIV	М	3.99	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	I .	105.6	mmol/L	90.0 - 110.0	
	IERULAR FILTERATION RATE				
ESTIMATED GLOMERULAR FILTERATION RATE ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM by CALCULATED INTERPRETATION:		83.8			

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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	1	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) st CEO & Consultant Pathologist				
IAME	: Mr. BALJIND	ER SINGH						
AGE/ GENDER	: 55 YRS/MALI	Ξ	Р	ATIENT ID	: 179	3388		
COLLECTED BY	:		R	EG. NO./LAB NO.	: 012	2503160020	)	
REFERRED BY			R	EGISTRATION DA	ATE · 16/	Mar/2025 09	·35 AM	
BARCODE NO.	:01527171			OLLECTION DATI		Mar/2025 09		
CLIENT CODE.	: KOS DIAGNO			EPORTING DATE				
CLIENT ADDRESS		HOLSON ROAD, AMBA		LEPURING DATE	. 10/.	wiai / 2023 12	.34PM	
LIENT ADDRESS	. 0340/ 1, 100	IOLSON ROAD, AND						
Fest Name			Value	Uni	it	Biologic	al Referenc	ce interva
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< <sup>-</sup> 1. Acute tubular necr	tetracycline, glu 0:1) WITH ELEVA (BUN rises displ superimposed o 0:1) WITH DECRI osis.	TED CREATININE LEVE coportionately more t n renal disease.	LS:	e) (e.g. obstructive	uropathy).			
<ul> <li>P. Certain drugs (e.g.,</li> <li>NCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (&lt;'</li> <li>Acute tubular necr</li> <li>Low protein diet and</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (r</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;'</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>cephalosporin there</li> <li>STIMATED GLOMERI</li> <li>G1</li> <li>G2</li> </ul>	tetracycline, glu 0:1) WITH ELEVA (BUN rises dispi- superimposed o 0:1) WITH DECRI osis. Id starvation. 2. creased urea syr- urea rather thar monemias (urea f inappropiate a 0:1) WITH INCRE py (accelerates of eleases muscle of who develop rer sis (acetoacetate creased BUN/crea apy (interferes v ILAR FILTERATION Nor King Nor	cocorticoids) <b>TED CREATININE LEVE</b> roportionately more to a renal disease. <b>EASED BUN :</b> thesis. a creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). hal failure. a causes false increase treatinine ratio). <i>v</i> ith creatinine measu <b>NATE:</b> <b>DESCRIPTION</b> mal kidney function dney damage with ormal or high GFR_	LS: han creatinine ut of extracel blood). due to tubular to creatinine e in creatinine rement).	lular fluid). r secretion of urea ). e with certain meth /min/1.73m2 ) >90 >90	nodologies,res ASSOCIATE No pro Presence o	ulting in norn <b>D FINDINGS</b> teinuria of Protein , cast in urine_	nal ratio whe	en dehydra
Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     Prerenal azotemia     DECREASED RATIO (<         Acute tubular necr     Low protein diet an     Severe liver diseas     Other causes of de     Repeated dialysis (     SIADH (syndrome of     SIADH (syndrome of     Pregnancy.     DECREASED RATIO (<         Phenacimide thera     Rhabdomyolysis (r     Muscular patients     NAPPROPIATE RATIO     Diabetic ketoacido     hould produce an in     Cephalosporin ther     STIMATED GLOMERL     G1     G2	tetracycline, glu 0:1) WITH ELEVA (BUN rises dispi- superimposed o 0:1) WITH DECRI osis. Id starvation. 2. creased urea syr- urea rather thar monemias (urea f inappropiate a 0:1) WITH INCRE py (accelerates contents) (accelerates con	cocorticoids) <b>TED CREATININE LEVE</b> roportionately more to a renal disease. <b>EASED BUN :</b> thesis. a creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. a causes false increase the creatinine measu <u>NATE:</u> <u>DESCRIPTION</u> mal kidney function dney damage with ormal or high GFR d decrease in GFR	LS: han creatinine ut of extracel blood). due to tubular to creatinine e in creatinine rement).	lular fluid). r secretion of urea ). e with certain meth /min/1.73m2) >90 >90 60 -89	nodologies,res ASSOCIATE No pro Presence o	<b>D FINDINGS</b> teinuria of Protein ,	nal ratio whe	en dehydra
<ul> <li>P. Certain drugs (e.g.,</li> <li>INCREASED RATIO (&gt;2</li> <li>Prerenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (&lt;</li> <li>1. Acute tubular necr</li> <li>Low protein diet and</li> <li>Severe liver diseas</li> <li>Other causes of decomposition distance</li> <li>Repeated dialysis (and the second diseas)</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (radiation diseas)</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> <li>Diabetic ketoacido should produce an in a ceptalosporin the second diseas</li> <li>CKD STAGE</li> <li>G1</li> </ul>	tetracycline, glu 0:1) WITH ELEVA (BUN rises dispi- superimposed o 0:1) WITH DECRI osis. Id starvation. 2. creased urea syr- urea rather thar monemias (urea f inappropiate a 0:1) WITH INCRE py (accelerates co eleases muscle co who develop rer sis (acetoacetate creased BUN/crea aby (interferes vi- LAR FILTERATION Nor Kid Nor Kid Mode	cocorticoids) <b>TED CREATININE LEVE</b> roportionately more to a renal disease. <b>EASED BUN :</b> thesis. a creatinine diffuses of is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). hal failure. a causes false increase treatinine ratio). <i>v</i> ith creatinine measu <b>NATE:</b> <b>DESCRIPTION</b> mal kidney function dney damage with ormal or high GFR_	LS: han creatinine ut of extracel blood). due to tubular to creatinine e in creatinine rement).	lular fluid). r secretion of urea ). e with certain meth /min/1.73m2 ) >90 >90	nodologies,res ASSOCIATE No pro Presence o	<b>D FINDINGS</b> teinuria of Protein ,	nal ratio whe	en dehydra





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









	Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Patho		(Pathology)
NAME	: Mr. BALJINDER SINGH		
AGE/ GENDER	: 55 YRS/MALE	PATIENT ID	: 1793388
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012503160020
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 16/Mar/2025 09:35 AM
BARCODE NO.	: 01527171	<b>COLLECTION DATE</b>	: 16/Mar/2025 09:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 16/Mar/2025 12:34PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	ANTT	
Test Name	Value	e 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

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	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD O & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL PATHO	LOGY	
	URINE RO	UTINE & MICROSCOP	IC EXAMINA	ATION
PHYSICAL EXAMIN	ATION			
QUANTITY RECIEVE	D ANCE SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
TRANSPARANCY	ANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY	ANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
CHEMICAL EXAMIN	ATION			
REACTION	ANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	ANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE	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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Page 13 of 14





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Test Name		Value	Unit	Biological Reference interval

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

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

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



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