



MD	Vinay Chopra (Pathology & Microbiolog) irman & Consultant Pathol	y)	Yugam Choj MD (Patholo onsultant Patholo	ogy)
NAME : Mr. LAKSHAY				
AGE/ GENDER : 25 YRS/MALE		PATIENT ID	: 175	54241
COLLECTED BY :		REG. NO./LAB NO	). : <b>01</b>	2502120045
REFERRED BY :		<b>REGISTRATION</b>	DATE : 12/	/Feb/2025 01:05 PM
<b>BARCODE NO.</b> : 01525393		COLLECTION DA	<b>TE</b> : 12/	/Feb/2025 01:07PM
<b>CLIENT CODE.</b> : KOS DIAGNOSTI	C LAB	REPORTING DAT	r <b>e</b> : 12/	/Feb/2025 01:55PM
CLIENT ADDRESS : 6349/1, NICHOL	SON ROAD, AMBALA CAI	NTT		
Test Name	Value	U	nit	<b>Biological Reference interval</b>
		WELLNESS PAN BLOOD COUNT ((		
RED BLOOD CELLS (RBCS) COUNT A	ND INDICES			
HAEMOGLOBIN (HB) by CALORIMETRIC	15.5	g	m/dL	12.0 - 17.0
RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECTRICA	L IMPEDENCE	I N	lillions/cmm	3.50 - 5.00
PACKED CELL VOLUME (PCV)	45.7	%	0	40.0 - 54.0
by CALCULATED BY AUTOMATED HEMATOL MEAN CORPUSCULAR VOLUME (MCV by CALCULATED BY AUTOMATED HEMATOL	) 81.8	fl		80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBI by calculated by automated hematol		р	g	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN by calculated by automated hematol	OGY ANALYZER		/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RI by CALCULATED BY AUTOMATED HEMATOL	OGY ANALYZER	9		11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RI by CALCULATED BY AUTOMATED HEMATOL		fl	_	35.0 - 56.0
MENTZERS INDEX by CALCULATED	14.63	B R	ATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	20.32	R	ATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)				
TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICRO	6360 DSCOPY	1	cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRE by Automated 6 part hematology and	LYZER			0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRE by CALCULATED BY AUTOMATED HEMATOL		%	6	< 10 %
a massi a com		0		



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NAME





Dr. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD (Pathology) CEO & Consultant Pathologist : Mr. LAKSHAY **PATIENT ID AGE/ GENDER** : 25 YRS/MALE :1754241 **COLLECTED BY** :012502120045 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 12/Feb/2025 01:05 PM : **BARCODE NO.** :01525393 **COLLECTION DATE** :12/Feb/202501:07PM **CLIENT CODE.** : KOS DIAGNOSTIC LAB **REPORTING DATE** :12/Feb/202501:55PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 50 %

by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	38	%	20 - 40
EOSINOPHILS by flow cytometry by sf cube & microscopy	6	%	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	3180	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	2417	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	382	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by SF cube & microscopy	382	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE N	<u>ARKERS.</u>		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	232000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.23	%	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	55000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	23.6	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	15.9	%	15.0 - 17.0
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			





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**Biological Reference interval** 

50 - 70





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NAME	: Mr. LAKSHAY			
GE/ GENDER	: 25 YRS/MALE	PA	TIENT ID	: 1754241
OLLECTED BY	:	RE	G. NO./LAB NO.	: 012502120045
EFERRED BY	:	RE	GISTRATION DATE	: 12/Feb/2025 01:05 PM
ARCODE NO.	: 01525393	CO	LLECTION DATE	: 12/Feb/2025 01:07PM
LIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 12/Feb/2025 02:12PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
s C-reactive protein This test may also ystemic lupus erythe CONDITION WITH LOV Now ESR can be see polycythaemia), sigr s sickle cells in sickl IOTE: ESR and C - reactiv Generally, ESR doe CRP is not affected	be used to monitor disease active ematosus W ESR n with conditions that inhibit the inficantly high white blood cell co e cell anaemia) also lower the E e protein (C-RP) are both marker is not change as rapidly as does ( by as many other factors as is ES	vity and response to t e normal sedimentati punt (leucocytosis), a SR. s of inflammation. CRP, either at the star <b>R, making it a better</b>	herapy in both of the a on of red blood cells, s and some protein abno rt of inflammation or a marker of inflammatio	ypically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count ormalities. Some changes in red cell shape (such as it resolves. <b>n.</b>
Women tend to ha Drugs such as dext	ed, it is typically a result of two t ve a higher ESR, and menstruatic ran, methyldopa, oral contracep id quinine may decrease it	on and pregnancy can	cause temporary eleva	ations. ylline, and vitamin A can increase ESR, while





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT CODE.	: KOS DIAGNOS	FIC LAB		<b>REPORTING DATE</b>	: 12/Feb/2025 02:32PM
CLIENT ADDRESS	: 6349/1, NICHO	DLSON ROAD, A	AMBALA CANTT		
Test Name			Value	Unit	<b>Biological Reference interval</b>
		CLINIC	AL CHEMIS	TRY/BIOCHEMIST	'nY
			GLUCOSE	E FASTING (F)	
GLUCOSE FASTING	G (F): PLASMA Se - peroxidase (go	D-POD)	97.14	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

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.

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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SO 9001 : 2008 CERTIFIED LA	В		EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS
	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)		(Pathology)
	/MALE	IBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1754241 <b>: 012502120045</b> : 12/Feb/2025 01:05 PM : 12/Feb/2025 01:07PM : 12/Feb/2025 02:32PM
Test Name		Value	Unit	Biological Reference interval
CHOLESTEROL TOTAL: SERI		<b>LIPID PR</b> 151.29	<b>OFILE : BASIC</b> mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: SERUM by glycerol phosphate oxid	ASE (ENZYMATIC)	134.23	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIREC' by SELECTIVE INHIBITION	I): SERUM	47.61	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHO		76.83	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 CHOLESTEROL: SI by CALCULATED, SPECTROPHO		103.68	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 CHOLESTEROL: SERUI by CALCULATED, SPECTROPHO		26.85	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOT		436.81	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO	SERUM	3.18	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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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NAME	: Mr. LAKSHAY			
AGE/ GENDER	: 25 YRS/MALE	РАТ	TENT ID	: 1754241
COLLECTED BY	:	REG	. NO./LAB NO.	: 012502120045
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		1.61	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.82 <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.

 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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. LAKSHAY **AGE/ GENDER** : 25 YRS/MALE **PATIENT ID** :1754241 **COLLECTED BY** :012502120045 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 12/Feb/2025 01:05 PM **BARCODE NO.** :01525393 **COLLECTION DATE** :12/Feb/202501:07PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 12/Feb/2025 02:32PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 0.59 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.16 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.43 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 23.5 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE U/L SGPT/ALT: SERUM 33.1 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.71 RATIO 0.00 - 46.00 by CALCULATED. SPECTROPHOTOMETRY

ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL88.68U/L40.0 - 130.0GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY19.85U/L0.00 - 55.0TOTAL PROTEINS: SERUM by BURET, SPECTROPHOTOMETRY7.37gm/dL6.20 - 8.00ALBUMIN: SERUM by BROMOCRESOL GREEN4.37gm/dL3.50 - 5.50GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY3gm/dL2.30 - 3.50A: G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY1.46RATIO1.00 - 2.00	by CAECOLATED, STECTION HOTOMETHY			
by SZASZ, SPECTROPHTOMETRYTOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY7.37gm/dL6.20 - 8.00ALBUMIN: SERUM by BROMOCRESOL GREEN4.37gm/dL3.50 - 5.50GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY3gm/dL2.30 - 3.50A : G RATIO: SERUM1.46RATIO1.00 - 2.00	by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL	88.68	U/L	40.0 - 130.0
by BIURET, SPECTROPHOTOMETRY4.37gm/dL3.50 - 5.50ALBUMIN: SERUM by BROMOCRESOL GREEN4.37gm/dL2.30 - 3.50GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY3gm/dL2.30 - 3.50A : G RATIO: SERUM1.46RATIO1.00 - 2.00		19.85	U/L	0.00 - 55.0
by BROMOCRESOL GREEN GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.46 RATIO 1.00 - 2.00		7.37	gm/dL	6.20 - 8.00
by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.46 RATIO 1.00 - 2.00		4.37	gm/dL	3.50 - 5.50
		3	gm/dL	2.30 - 3.50
	A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.46	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:**

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)
-





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Test Name	v	alue Unit	Biological Reference interval

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

## **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



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Test Name		Value	Unit	Biological Reference interv	
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)		
UREA: SERUM		27.63	mg/dL	10.00 - 50.00	
by UREASE - GLUTAM	ATE DEHYDROGENASE (GLDH)		C		
CREATININE: SERU		1.09	mg/dL	0.40 - 1.40	
•	OGEN (BUN): SERUM	12.91	mg/dL	7.0 - 25.0	
by CALCULATED, SPE	CTROPHOTOMETRY				
BLOOD UREA NITR RATIO: SERUM	OGEN (BUN)/CREATININE	11.84	RATIO	10.0 - 20.0	
by CALCULATED, SPE	CTROPHOTOMETRY				
UREA/CREATININE		25.35	RATIO		
by CALCULATED, SPECURIC ACID: SERUM	CIROPHOIOMEIRY	5.57	mg/dL	3.60 - 7.70	
by URICASE - OXIDASI	E PEROXIDASE		-		
CALCIUM: SERUM by ARSENAZO III, SPEC	CTPOPHOTOMETRY	9.8	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE		3.05	mg/dL	2.30 - 4.70	
by PHOSPHOMOLYBD	ATE, SPECTROPHOTOMETRY		0		
ELECTROLYTES					
SODIUM: SERUM by ISE (ION SELECTIVE	E ELECTRODE)	142.8	mmol/L	135.0 - 150.0	
POTASSIUM: SERUM		4.12	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELECTRODE)					
CHLORIDE: SERUM by ISE (ION SELECTIVE		107.1	mmol/L	90.0 - 110.0	
	ERULAR FILTERATION RATE				
ESTIMATED GLOMI (eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	96.6			
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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	MD (P	' <b>inay Chopra</b> athology & Microbic nan & Consultant Pa	logy)	Yugam Ch MD (Path nsultant Path	iology)			
NAME	: Mr. LAKSHAY							
AGE/ GENDER	: 25 YRS/MALE		<b>PATIENT ID</b>	: 1	754241			
COLLECTED BY	:		<b>REG. NO./LAB NO</b>	. :(	)125021200	45		
REFERRED BY			REGISTRATION D		.2/Feb/2025 (			
BARCODE NO.	: 01525393		COLLECTION DAT		.2/Feb/2025(			
		4.D						
CLIENT CODE.	: KOS DIAGNOSTIC I		REPORTING DAT	E : 1	2/Feb/2025(	JZ:32PM		
CLIENT ADDRESS	: 6349/1, NICHOLSO	)N ROAD, AMBALA	CANTT					
Test Name		Va	lue Ur	nit	Biolog	gical Refe	rence inte	rval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	superimposed on rena	nine production) ticoids) <b>REATININE LEVELS:</b> ionately more than Il disease.	creatinine) (e.g. obstructiv					iet,
8. 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 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocord <b>D:1) WITH ELEVATED C</b> (BUN rises disproport superimposed on rena <b>0:1) WITH DECREASED</b> osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu <b>0:1) WITH INCREASED</b> oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RATI	hine production) ticoids) <b>REATININE LEVELS:</b> ionately more than al disease. <b>BUN :</b> S. tinine diffuses out of trainine diffuses out of tra	creatinine) (e.g. obstructiv of extracellular fluid). od). to tubular secretion of urea creatinine). creatinine with certain me ent). GFR ( mL/min/1.73m2 ) >90	e uropathy). a. thodologies,	ATED FINDINGS	ormal ratio	when dehy	
<ol> <li>Reduced muscle m Certain drugs (e.g. INCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (</li> <li>Acute tubular necr</li> <li>Low protein diet ar</li> <li>Severe liver disease</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of Pregnancy.</li> <li>Pregnancy.</li> <li>Pregnancy.</li> <li>Phenacimide thera</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> <li>Diabetic ketoacido should produce an in</li> <li>Cephalosporin ther</li> <li>ESTIMATED GLOMERL</li> <li>CKD STAGE</li> </ol>	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocord <b>D:1) WITH ELEVATED C</b> (BUN rises disproport superimposed on rena <b>0:1) WITH DECREASED</b> osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu <b>0:1) WITH INCREASED</b> oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RATI DESC Normal ki	hine production) ticoids) <b>REATININE LEVELS:</b> ionately more than al disease. <b>BUN :</b> S. tinine diffuses out of trainine diffuses out of tra	creatinine) (e.g. obstructiv of extracellular fluid). od). to tubular secretion of urea creatinine). creatinine with certain me ent). GFR ( mL/min/1.73m2 )	e uropathy). a. thodologies,	ATED FINDINGS proteinuria ce of Protein ,	ormal ratio	when dehy	
A. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 G2	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocord <b>D:1) WITH ELEVATED C</b> (BUN rises disproport superimposed on rena <b>0:1) WITH DECREASED</b> osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu <b>0:1) WITH INCREASED</b> oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RATI DESC Normal ki Kidney c normal	hine production) ticoids) <b>REATININE LEVELS:</b> ionately more than al disease. <b>BUN :</b> S. tinine diffuses out of trainine diffuses out of tra	creatinine) (e.g. obstructiv of extracellular fluid). od). to tubular secretion of urea creatinine). creatinine with certain me ent). <u>GFR ( mL/min/1.73m2 ) &gt;90 &gt;90</u>	e uropathy). a. thodologies,	ATED FINDINGS	ormal ratio	when dehy	
A. Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 I. Postrenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Inherited hyperam SIADH (syndrome of Nuscular patients NAPPROPIATE RATIO Loiabetic ketoacido should produce an in Cephalosporin ther ESTIMATED GLOMERL G1 G2 G3a	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocord <b>D:1) WITH ELEVATED C</b> (BUN rises disproport superimposed on rena <b>0:1) WITH DECREASED</b> osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virth f inappropiate antidiu <b>0:1) WITH INCREASED</b> oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RATI DESC Normal ki Kidney c normal	hine production) ticoids) <b>REATININE LEVELS:</b> ionately more than al disease. <b>BUN :</b>       	creatinine) (e.g. obstructiv of extracellular fluid). od). to tubular secretion of urea creatinine). creatinine with certain me ent). <u>GFR ( mL/min/1.73m2 ) &gt;90 &gt;90 60 -89</u>	e uropathy). a. thodologies,	ATED FINDINGS proteinuria ce of Protein ,	ormal ratio	when dehy	
<ol> <li>Reduced muscle m</li> <li>Certain drugs (e.g.</li> <li>INCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (</li> <li>Acute tubular necr</li> <li>Low protein diet ar</li> <li>Severe liver disease</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>Should produce an in</li> <li>Cephalosporin ther</li> <li>ESTIMATED GLOMERI</li> <li>G1</li> <li>G2</li> </ol>	(e.g. ureter colostomy ass (subnormal creatin tetracycline, glucocord <b>D:1) WITH ELEVATED C</b> (BUN rises disproport superimposed on rena <b>0:1) WITH DECREASED</b> osis. d starvation. creased urea synthesis urea rather than creat monemias (urea is virt f inappropiate antidiu <b>0:1) WITH INCREASED</b> oy (accelerates conver eleases muscle creatin who develop renal fail sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RATI DESC Normal ki Kidney c normal Mild dec	hine production) ticoids) <b>REATININE LEVELS:</b> ionately more than al disease. <b>BUN :</b> S. tinine diffuses out of trainine diffuses out of tra	creatinine) (e.g. obstructiv of extracellular fluid). od). to tubular secretion of urea creatinine). creatinine with certain me ent). <u>GFR ( mL/min/1.73m2 ) &gt;90 &gt;90</u>	e uropathy). a. thodologies,	ATED FINDINGS proteinuria ce of Protein ,	ormal ratio	when dehy	





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









1525393 OS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMBALA CANTT	REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 012502120045 : 12/Feb/2025 01:05 PM : 12/Feb/2025 01:07PM : 12/Feb/2025 02:32PM
OS DIAGNOSTIC LAB	REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 12/Feb/2025 01:05 PM : 12/Feb/2025 01:07PM
	REGISTRATION DATE	: 12/Feb/2025 01:05 PM : 12/Feb/2025 01:07PM
1525393	<b>REGISTRATION DATE</b>	: 12/Feb/2025 01:05 PM
	REG. NO./LAB NO.	: 012502120045
5 YRS/MALE	PATIENT ID	: 1754241
ir. LAKSHAY		
Chairman & Consultant Pathologis	st CEO & Consultant	
MD (Pathology & Microbiology)	MD	(Pathology)
	Chairman & Consultant Pathologi	

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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	Dr. Vinay Ch MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. LAKSHAY				
AGE/ GENDER	: 25 YRS/MALE	PAT	FIENT ID	: 1754241	
COLLECTED BY	:	REG	G. NO./LAB NO.	: 012502120045	
<b>REFERRED BY</b>	:	REC	GISTRATION DATE	: 12/Feb/2025 01:05 PM	
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CLIENT CODE. : KOS DIAGNOSTIC LAB			PORTING DATE	: 12/Feb/2025 01:33PM	
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT					
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PA	THOLOGY		
	URINE RO	DUTINE & MICRO		ATION	
PHYSICAL EXAMIN	NATION				
QUANTITY RECIEV		10	ml		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	AMBER YELL	ow	PALE YELLOW	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
TRANSPARANCY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR	
SPECIFIC GRAVITY		1.01		1.002 - 1.030	
CHEMICAL EXAMI	TANCE SPECTROPHOTOMETRY NATION				
REACTION		ALKALINE			
by DIP STICK/REFLEC PROTEIN	TANCE SPECTROPHOTOMETRY	Negotivo		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH	TANGE SI LOTION HOTOMETRI	7.5		5.0 - 7.5	
by DIP STICK/REFLEC BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY				
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)	
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0	
by DIP STICK/REFLEC KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Ű			
BLOOD by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-1	ve)	NEGATIVE (-ve)	
RED BLOOD CELLS		NEGATIVE (-v	ve) /HPF	0 - 3	





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HEALTHCARE & DIAGNOSTIC EXCELLENCE IN

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

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

NAME	: Mr. LAKSHAY			
AGE/ GENDER	: 25 YRS/MALE	PA	TIENT ID	: 1754241
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EPITHELIAL CELLS	5	1-2	/HPF	ABSENT

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)

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