	. MI. DHUI ENDER LAMDA			
AGE/ GENDER	: 36 YRS/MALE		PATIENT ID	: 1457756
COLLECTED BY	:		REG. NO./LAB NO.	: 012501180005
REFERRED BY	:		REGISTRATION DATE	: 18/Jan/2025 08:11 AM
BARCODE NO.	: 01524020		COLLECTION DATE	: 18/Jan/2025 08:13AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 18/Jan/2025 08:43AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTI	Γ	
Test Name		Value	Unit	Biological Reference interval
	SWAST	THYA W	ELLNESS PANEL: G	
	COMP	LETE BI	LOOD COUNT (CBC)	
RED BLOOD CELLS	<u>S (RBCS) COUNT AND INDICES</u>			
HAEMOGLOBIN (H	B)	15.8	gm/dL	12.0 - 17.0
RED BLOOD CELL ((RBC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.12 ^H	Millions/	cmm 3.50 - 5.00
PACKED CELL VOL	UME (PCV) Automated hematology analyzer	45.9	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	89.6	fL	80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER	30.9	pg	27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)	34.4	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	13.6	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	45.7	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		17.5	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI by CALCULATED	DEX	23.83	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE	LLS (WBCS)			
TOTAL LEUCOCYTE	E COUNT (TLC) y by sf cube & microscopy	6830	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) rt hematology analyzer	NIL		0.00 - 20.00
	BLOOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %



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NAME

: Mr. BHUPENDER LAMBA

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LI	EUCOCYTE COUNT (DLC)			
NEUTROPHILS		58	%	50 - 70
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY Y BY SF CUBE & MICROSCOPY	32	%	20 - 40
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	7	%	2 - 12
BASOPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE NEUTR		3961	/cmm	2000 - 7500
ABSOLUTE LYMPH	Y BY SF CUBE & MICROSCOPY IOCYTE COUNT Y BY SF CUBE & MICROSCOPY	2186	/cmm	800 - 4900
ABSOLUTE EOSIN		205	/cmm	40 - 440
ABSOLUTE MONO	CYTE COUNT y by sf cube & microscopy	478	/cmm	80 - 880
ABSOLUTE BASOP by FLOW CYTOMETR	HIL COUNT y by sf cube & microscopy	0	/cmm	0 - 110
PLATELETS AND	OTHER PLATELET PREDICTIVE	<u>MARKERS.</u>		
PLATELET COUNT	(PLT) FOCUSING, ELECTRICAL IMPEDENCE	238000	/cmm	150000 - 450000
PLATELETCRIT (P	CT) FOCUSING, ELECTRICAL IMPEDENCE	0.23	%	0.10 - 0.36
MEANING ACCUTATION		10	(T	0.50 100

10

58000

24.6

16.1

MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

: Mr. BHUPENDER LAMBA



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fL

%

%

/cmm



6.50 - 12.0

11.0 - 45.0

15.0 - 17.0

30000 - 90000

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AGE/ GENDER	: 36 YRS/MALE	PATIENT ID	: 1457756
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Jan/2025 08:43AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval



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BARCODE NO.	: 01524020	COLLECTION DATE	: 18/Jan/2025 08:13AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Jan/2025 02:18PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	,	
Test Name	Value	Unit	Biological Reference interval

GLYCOSYLATED HAEMOGLOBIN (HBA1C)					
GLYCOSYLATED HAEMOGLOBIN (HbA1c): WHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)	8.3 ^H	%	4.0 - 6.4		
ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) INTERPRETATION:	191.51 ^H	mg/dL	60.00 - 140.00		

AS PER AMERICAN DIABETES ASSOCIATION (ADA):				
REFERENCE GROUP	GLYCOSYLATED HEMOGLO	DGIB (HBAIC) in %		
Non diabetic Adults >= 18 years	<5.7			
At Risk (Prediabetes)	5.7 – 6.4			
Diagnosing Diabetes	>= 6.5			
	Age > 19 Years			
	Goals of Therapy:	< 7.0		
Therapeutic goals for glycemic control	Actions Suggested:	>8.0		
	Age < 19 Ye	ars		
	Goal of therapy:	<7.5		

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 appropriate.

4.High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7. Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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NAME : Mr. BHUPENDER LAMBA AGE/ GENDER : 36 YRS/MALE **PATIENT ID** :1457756 **COLLECTED BY** REG. NO./LAB NO. :012501180005 : **REFERRED BY REGISTRATION DATE** : 18/Jan/2025 08:11 AM **BARCODE NO.** :01524020 **COLLECTION DATE** :18/Jan/2025 08:13AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :18/Jan/2025 09:32AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name

ERYTHROCYTE SEDIMENTATION RATE (ESR)

HROCYTE SEDIMENTATION RATE (ESR)	6	mm/1st hr	0 -

ERYTH by RED CELL AGGREGATION BY CAPILLARY PHOTOMETRY

INTERPRETATION:

1. ESR is a non-specific test because an elevated result often indicates the presence of inflammation associated with infection, cancer and auto-immune disease, but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it.

2. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other test such as C-reactive protein

3. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as some others, such as systemic lupus erythematosus

CONDITION WITH LOW ESR

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as doxtran mothyldona oral contracontivos ponicillamino proceinamide, theorphylline, and with

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it



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BARCODE NO.	: 01524020	CO	LLECTION DATE	: 18/Jan/2025 08:13AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 18/Jan/2025 10:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	CLINICAL	CHEMISTR	Y/BIOCHEMIST	RY
		GLUCOSE FA	STING (F)	
GLUCOSE FASTING	G (F): PLASMA e - peroxidase (god-pod)	140.99 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
INTERPRETATION				DIADE 110. > 0K = 120.0

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 cms 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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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 18/Jan/2025 09:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PR	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		190.75	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	SERUM PHATE OXIDASE (ENZYMATIC)	179.26 ^H	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	DL (DIRECT): SERUM TION	65.1	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO	L: SERUM ECTROPHOTOMETRY	89.8	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	TEROL: SERUM ECTROPHOTOMETRY	125.65	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	OL: SERUM ECTROPHOTOMETRY	35.85	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF		560.76	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		2.93	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0



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HIGH RISK: > 11.0

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Test Name	Value	Unit	Biological Reference interval
LDL/HDL RATIO: SERUM by calculated, spectrophotometry	1.38	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.75 ^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.

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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Test Name	Value	Unit	Biological Reference interval
LIVER	FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.58	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.42	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	21.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	23.3	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.91	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	70.13	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	16.72	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.77	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.4	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.37	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.86	RATIO	1.00 - 2.00

<u>INTERPRETATION</u> 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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Test Name	Value	Unit	Biological Reference interval

DECREASED:

Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)
 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 interval
KIDNI	EY FUNCTION TH	EST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)	27.57	mg/dL	10.00 - 50.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY	1.22	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BUN): SERUM by Calculated, spectrophotometry	12.88	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM by Calculated, spectrophotometry	10.56	RATIO	10.0 - 20.0
UREA/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	22.6	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE	3.65	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY	9.21	mg/dL	8.50 - 10.60
PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY	3.63	mg/dL	2.30 - 4.70
<u>ELECTROLYTES</u>			
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	143.2	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	4.05	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)	107.4	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR FILTERATION RATE			
ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM by CALCULATED	78.8		
<u>INTERPRETATION:</u> 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 Name	Value	Unit	Biological Reference interval
4. High protoin intak			

4. High protein intake.
 5. Impaired renal function plus

6. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet,

burns, surgery, cachexia, high fever).

7. Urine reabsorption (e.g. ureter colostomy)

8. Reduced muscle mass (subnormal creatinine production)

9. Certain drugs (e.g. tetracycline, glucocorticoids)

INCREASED RATIO (>20:1) WITH ELEVATED CREATININE LEVELS:

1. Postrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy).

2. Prerenal azotemia superimposed on renal disease.

DECREASED RATIO (<10:1) WITH DECREASED BUN :

1. Acute tubular necrosis.

2. Low protein diet and starvation.

3. Severe liver disease.

4. Other causes of decreased urea synthesis.

5. Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid).

6. Inherited hyperammonemias (urea is virtually absent in blood).

7. SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea.

8. Pregnancy.

DECREASED RATIO (<10:1) WITH INCREASED CREATININE:

1. Phenacimide therapy (accelerates conversion of creatine to creatinine).

2. Rhabdomyolysis (releases muscle creatinine).

3. Muscular patients who develop renal failure.

INAPPROPIATE RATIO:

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement).

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein ,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	



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NAME	: Mr. BHUPENDER LAMBA		
AGE/ GENDER	: 36 YRS/MALE	PATIENT ID	: 1457756
COLLECTED BY	:	REG. NO./LAB NO.	: 012501180005
REFERRED BY	:	REGISTRATION DATE	: 18/Jan/2025 08:11 AM
BARCODE NO.	: 01524020	COLLECTION DATE	: 18/Jan/2025 08:13AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Jan/2025 09:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	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

eGFR with Cystatin C for confirmation of CKD

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

ADVICE:

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



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BARCODE NO.	: 01524020	COLLE	CTION DATE	: 18/Jan/2025 08:13AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	RTING DATE	: 18/Jan/2025 03:28PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	HOLOGY	
	URINE ROU	TINE & MICROSC	OPIC EXAMINA	ATION
PHYSICAL EXAMIN	NATION			
QUANTITY RECIEV by DIP STICK/REFLEC	ED TANCE SPECTROPHOTOMETRY	10	ml	
	TANCE SPECTROPHOTOMETRY	AMBER YELLOV	V	PALE YELLOW
TRANSPARANCY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1.01		1.002 - 1.030
<u>CHEMICAL EXAMI</u>	<u>NATION</u>			
REACTION by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	1+		NEGATIVE (-ve)
pH by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLEC	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

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

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Test Name		Value	Unit	Biological Reference interval	
PUS CELLS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		1-2	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)	
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT	ABSENT

*** End Of Report ***



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