



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mr. ASHISH YADAV				
AGE/ GENDER	: 31 YRS/MALE		PATIENT ID	: 1775614	
COLLECTED BY	:		REG. NO./LAB NO.	:012503020	010
REFERRED BY	:		REGISTRATION DATE	:02/Mar/202	
BARCODE NO.	: 01526319		COLLECTION DATE	: 02/Mar/202	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	REPORTING DATE	: 02/Mar/202	5 10:06AM
Test Name		Value	Unit	Biol	ogical Reference interval
	SWAST	THYA WI	ELLNESS PANEL: G		
	COMP	PLETE BL	DOD COUNT (CBC)		
RED BLOOD CELLS	(RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HE by CALORIMETRIC	3)	14.1	gm/dL	12.0	- 17.0
RED BLOOD CELL (F		4.3	Millions	/cmm 3.50	- 5.00
by HYDRO DYNAMIC FO PACKED CELL VOLU	DCUSING, ELECTRICAL IMPEDENCE ME (PCV)	43.8	%	40.0	- 54.0
	JTOMATED HEMATOLOGY ANALYZER		fL		- 100.0
by CALCULATED BY AU	JTOMATED HEMATOLOGY ANALYZER	101.9 ^H	IL		
	AR HAEMOGLOBIN (MCH) JTOMATED HEMATOLOGY ANALYZER	32.9	pg	27.0	- 34.0
by CALCULATED BY AU	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	32.3	g/dL	32.0	- 36.0
	TION WIDTH (RDW-CV)	13.5	%	11.0	0 - 16.00
RED CELL DISTRIBU	JTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	51.7	fL	35.0	- 56.0
MENTZERS INDEX		23.7	RATIO	13.0	N DEFICIENCY ANEMIA:
GREEN & KING IND by calculated	EX	32.1	RATIO	65.0	N DEFICIENCY ANEMIA: >
WHITE BLOOD CEL	<u>LS (WBCS)</u>				
FOTAL LEUCOCYTE by FLOW CYTOMETRY	COUNT (TLC) by sf cube & microscopy	6830	/cmm	400	0 - 11000
NUCLEATED RED BI	LOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL		0.00	- 20.00





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. ASHISH YADAV AGE/ GENDER : 31 YRS/MALE **PATIENT ID** :1775614 **COLLECTED BY** :012503020010 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :02/Mar/2025 08:31 AM **BARCODE NO.** :01526319 **COLLECTION DATE** :02/Mar/2025 08:39AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :02/Mar/2025 10:06AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 49^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 3347 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2595 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 342 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 546 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 235000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.27 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL. 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 87000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 37.1% 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) % 16.215.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

Dr. Vinay Chopra



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REFERRED BY	:	REGI	STRATION DATE	: 02/Mar/2025 08:31 A	М
BARCODE NO.	: 01526319	COLL	ECTION DATE	: 02/Mar/2025 08:39AN	Л
CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 02/Mar/2025 01:50PM	-
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A				-
Test Name		Value	Unit	Biological Re	eference interva
WHOLE BLOOD	EMOGLOBIN (HbA1c):	DSYLATED HAEMC 5.8	%	4.0 - 6.4	
	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	119.76	mg/dL	60.00 - 140.0	0
INTERPRETATION:			(40.4)		
	AS PER AMERICAN REFERENCE GROUP	DIABETES ASSOCIATION	(ADA): /LATED HEMOGLOGIB	(URAIC) in %	
	abetic Adults >= 18 years	611003	<5.7		
	t Risk (Prediabetes)				
	iagnosing Diabetes		>= 6.5		
	5 5		Age > 19 Years		
		Goals of The	erapy:	< 7.0	
Therapeut	ic goals for glycemic control	Actions Sugg		>8.0	
			Age < 19 Years		
		Goal of the	rapy:	<7.5	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		hopra & Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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ARCODE NO.	:01526319	C	OLLECTION DATE	: 02/Mar/2025 08:39AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 02/Mar/2025 10:26AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
'est Name		Value	Unit	Biological Reference interval
This test may also				bove diseases as well as some others, such as
ystemic lupus eryth ONDITION WITH LO Iow ESR can be see polycythaemia), sigi s sickle cells in sick OTE: . ESR and C - reactiv . Generally, ESR doe . CRP is not affected . If the ESR is elevat	W ESR en with conditions that inhibit the nificantly high white blood cell le cell anaemia) also lower the re protein (C-RP) are both market es not change as rapidly as does I by as many other factors as is the ted, it is typically a result of two	count (leucocytosis) ESR. crs of inflammation. CRP, either at the st SR, making it a bette types of proteins, gl	tion of red blood cells, s , and some protein abno art of inflammation or a: r marker of inflammatior obulins or fibrinogen.	s it resolves. 1.
ystemic lupus eryth ONDITION WITH LO I low ESR can be see polycythaemia), sig s sickle cells in sick IOTE: . ESR and C - reactiv . Generally, ESR doe . CRP is not affected . If the ESR is elevat . Women tend to ha . Drugs such as dex:	W ESR en with conditions that inhibit the nificantly high white blood cell- le cell anaemia) also lower the ve protein (C-RP) are both market es not change as rapidly as does I by as many other factors as is B ted, it is typically a result of two ave a higher ESR, and menstruat	count (leucocytosis) ESR. c CRP, either at the st SR, making it a bette types of proteins, gl ion and pregnancy ca	tion of red blood cells, s , and some protein abno art of inflammation or a: r marker of inflammatior obulins or fibrinogen. in cause temporary eleva	uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves. n.





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	MD (Pa	inay Chopra athology & Microbiology) Ian & Consultant Pathologist	Dr. Yugam (MD (P CEO & Consultant Pa	'athology)
NAME	: Mr. ASHISH YADA	V		
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BARCODE NO.	:01526319	COLL	ECTION DATE	:02/Mar/202508:39AM
CLIENT CODE.	: KOS DIAGNOSTIC L	AB REPO	RTING DATE	: 02/Mar/2025 12:25PM
CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL CHEMISTRY.	/BIOCHEMISTR	2Y
		GLUCOSE FAST	FING (F)	
GLUCOSE FASTING by glucose oxidas	G (F): PLASMA E - PEROXIDASE (GOD-PC	92.69 (D)	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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





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Page 5 of 14

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

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	: 02/Mar/2025 12:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	169.2	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX			0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
RIGLYCERIDES: S		141.47	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC				BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
		00.00		VERY HIGH: $> OR = 500.0$
IDL CHOLESTERO	L (DIRECT): SERUM	39.86	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
				60.0
	CEDIN	101.05		HIGH HDL: $> OR = 60.0$
DL CHOLESTEROI by CALCULATED, SPE		101.05	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
				BORDERLINE HIGH: 130.0 -
				159.0 HIGH: 160.0 - 189.0
				VERY HIGH: > OR = 190.0
NON HDL CHOLEST		129.34	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CIROPHOIOMEIRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
LDL CHOLESTER	DL: SERUM	28.29	mg/dL	VERT HIGH. > 0R = 220.0 0.00 - 45.00
by CALCULATED, SPE	CTROPHOTOMETRY			
FOTAL LIPIDS: SER by CALCULATED, SPE		479.87	mg/dL	350.00 - 700.00
CHOLESTEROL/HD	L RATIO: SERUM	4.24	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	GIROPHOIOMETRY			AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANT'	Т	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.54	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	3.55	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	Biological Reference interval
BILIRUBIN TOTAL		FUNCTIO 0.48	N TEST (COMPLETE) mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY	0.10	ing, di	ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.11	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	ECT (UNCONJUGATED): SERUM	0.37	mg/dL	0.10 - 1.00
SGOT/AST: SERUN by IFCC, WITHOUT P	1 YRIDOXAL PHOSPHATE	35.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM	1 YRIDOXAL PHOSPHATE	79 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM ECTROPHOTOMETRY	0.45	RATIO	0.00 - 46.00
ALKALINE PHOSP by Para Nitrophen propanol	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	106.21	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	57.09 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.36	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.18	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		3.18	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.31	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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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Test Name	Valı	ie Unit	Biological Reference interval

Test NameValueUnitBiological Reference interval

DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:	

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



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Test Name		Value	Unit	Biological Reference interva
	KIDNI	EY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	22.58	mg/dL	10.00 - 50.00
CREATININE: SERI	UM	1.12	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	10.55	mg/dL	7.0 - 25.0
RATIO: SERUM	ROGEN (BUN)/CREATININE	9.42 ^L	RATIO	10.0 - 20.0
UREA/CREATININ		20.16	RATIO	
URIC ACID: SERUM		6.96	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	9.78	mg/dL	8.50 - 10.60
	ERUM DATE, SPECTROPHOTOMETRY	3.04	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	(F ELECTRODE)	141.3	mmol/L	135.0 - 150.0
POTASSIUM: SERU by ISE (ION SELECTIV	M	4.15	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV	1	105.98	mmol/L	90.0 - 110.0
ESTIMATED GLOM (eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	90.1		
INTERPRETATION: To differentiate betw	veen pre- and post renal azotemia.			

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 (Pathology	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME	: Mr. ASHISH YADAV					
AGE/ GENDER	: 31 YRS/MALE	P	PATIENT ID	: 1775614		
COLLECTED BY	•	R	REG. NO./LAB NO.	: 012503020	0010	
REFERRED BY	•		REGISTRATION DAT			
BARCODE NO.	: 01526319		COLLECTION DATE	: 02/Mar/202		
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 02/Mar/202	5 12:44PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT				
Test Name		Value	Unit	Biol	ogical Reference inte	rval
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas	NE LEVELS: more than creatining	e) (e.g. obstructive u	ropathy).		iet,
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 G2	(e.g. ureter colostomy) ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine LAR FILTERATION RATE: <u>DESCRIPTION</u> <u>Normal kidney fun</u> <u>Kidney damage</u> <u>normal or high</u>	NE LEVELS: more than creatining e. offuses out of extraceler osent in blood). ormone) due to tubula JINE: creatine to creatining increase in creatining emeasurement). J GFR (mL with GFR	Ilular fluid). r secretion of urea. e). e with certain metho /min/1.73m2) >90 >90		IGS	
7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (>1 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 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL G1 G2 G3	(e.g. ureter colostomy) ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic hai 0:1) WITH INCREASED CREATIN py (accelerates conversion of eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine LAR FILTERATION RATE: DESCRIPTION Normal kidney fun Kidney damage normal or high Mild decrease in	NE LEVELS: more than creatining e. offuses out of extraceler osent in blood). rmone) due to tubula JINE: creatine to creatining increase in creatining measurement). J GFR (mL GFR GFR	Ilular fluid). r secretion of urea. e). e with certain metho /min/1.73m2) >90 >90 60 -89	odologies,resulting in <u>ASSOCIATED FINDIN</u> <u>No proteinuria</u> Presence of Protein	IGS	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 G2	(e.g. ureter colostomy) ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine LAR FILTERATION RATE: <u>DESCRIPTION</u> <u>Normal kidney fun</u> <u>Kidney damage</u> <u>normal or high</u>	NE LEVELS: more than creatining e. ffuses out of extraceles psent in blood). rmone) due to tubula JINE: creatine to creatining increase in creatining measurement). J GFR GFR in GFR	Ilular fluid). r secretion of urea. e). e with certain metho /min/1.73m2) >90 >90	odologies,resulting in <u>ASSOCIATED FINDIN</u> <u>No proteinuria</u> Presence of Protein	IGS	





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NAME	: Mr. ASHISH YADAV		
AGE/ GENDER	: 31 YRS/MALE	PATIENT ID	: 1775614
COLLECTED BY	:	REG. NO./LAB NO.	: 012503020010
REFERRED BY	:	REGISTRATION DATE	: 02/Mar/2025 08:31 AM
BARCODE NO.	:01526319	COLLECTION DATE	: 02/Mar/2025 08:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 02/Mar/2025 12:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA 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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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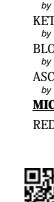




MI	r. Vinay Chopra D (Pathology & Microbiology) nairman & Consultant Pathologis) (Pathology)
NAME : Mr. ASHISH YA	ADAV		
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REFERRED BY :		REGISTRATION DATE	: 02/Mar/2025 08:38 AM
BARCODE NO. : 01526319		COLLECTION DATE	: 02/Mar/2025 08:39AM
CLIENT CODE.: KOS DIAGNOSTCLIENT ADDRESS: 6349/1, NICHO	FIC LAB DLSON ROAD, AMBALA CANTT	REPORTING DATE	: 02/Mar/2025 09:41AM
Test Name	Value	Unit	Biological Reference interval
	CLINICAL	PATHOLOGY	
	URINE ROUTINE & MI	CROSCOPIC EXAMIN	ATION
PHYSICAL EXAMINATION			
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPH	0TOMETRY	ml	
COLOUR	PALE YE	LLOW	PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPH TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPH	CLEAR		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPH	1.02		1.002 - 1.030
CHEMICAL EXAMINATION			
REACTION	ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPH PROTEIN	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPH	отометку Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPH	OTOMETRY		
pH by DIP STICK/REFLECTANCE SPECTROPH	<=5.0 OTOMETRY		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPH	OTOMETRY Negative		NEGATIVE (-ve)
NITRITE	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPH UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPH	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPH BLOOD	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPH ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPH MICROSCOPIC EXAMINATION	NEGATIV	/E (-ve)	NEGATIVE (-ve)
RED BLOOD CELLS (RBCs)	NEGATIV	/E (-ve) /HPF	0 - 3



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

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

NAME	: Mr. ASHISH YADAV			
AGE/ GENDER	: 31 YRS/MALE	PAT	TIENT ID	: 1775614
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT			

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)
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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