



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
IAME	: Mr. AJAY KUMAR				
GE/ GENDER	: 25 YRS/MALE		PATIENT ID	: 1718940	
OLLECTED BY	:		REG. NO./LAB NO.	:012501	080033
EFERRED BY	:		REGISTRATION DATE		025 11:46 AM
	: 01523618		COLLECTION DATE		025 11:49AM
	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	REPORTING DATE	: 08/Jan/2	025 12:12PM
Fest Name		Value	Unit	В	iological Reference interval
			LLNESS PANEL: 1.	0	
	COMP	PLETE BL	OOD COUNT (CBC)		
	RBCS) COUNT AND INDICES				
IAEMOGLOBIN (HB) by CALORIMETRIC		14.2	gm/dL	1	2.0 - 17.0
ED BLOOD CELL (RI		5.27 <sup>H</sup>	Millions	/cmm 3	8.50 - 5.00
ACKED CELL VOLUM	CUSING, ELECTRICAL IMPEDENCE IÆ (PCV) TOMATED HEMATOLOGY ANALYZER	45.1	%	4	0.0 - 54.0
IEAN CORPUSCULA		85.5	fL	8	80.0 - 100.0
IEAN CORPUSCULAI	R HAEMOGLOBIN (MCH)	26.9 <sup>L</sup>	pg	2	27.0 - 34.0
by CALCULATED BY AUT	R HEMOGLOBIN CONC. (MCHC)	31.4 <sup>L</sup>	g/dL		22.0 - 36.0
	TION WIDTH (RDW-CV)	14.6	%	1	1.00 - 16.00
ED CELL DISTRIBUT	ΓΙΟΝ WIDTH (RDW-SD) τοματές μεματοlogy analyzer	46.8	fL	3	5.0 - 56.0
IENTZERS INDEX by CALCULATED		16.22	RATIO	1 I	BETA THALASSEMIA TRAIT: < 3.0 RON DEFICIENCY ANEMIA: •13.0
REEN & KING INDE	X	23.65	RATIO	6 I	BETA THALASSEMIA TRAIT:< 5.0 RON DEFICIENCY ANEMIA: > 55.0
	0 (11000)				000 - 11000
WHITE BLOOD CELL		7000	/		
OTAL LEUCOCYTE C		7390	/cmm	4	000 - 11000
OTAL LEUCOCYTE C by flow cytometry b IUCLEATED RED BLO	COUNT (TLC)	7390 NIL	/cmm	_	0.00 - 20.00





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

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

NAME	: Mr. AJAY KUMAR		
AGE/ GENDER	: 25 YRS/MALE	PATIENT ID	: 1718940
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Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS	63	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	25	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8	%	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	4656	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1848	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	296	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	591	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	252000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by Hydro Dynamic Focusing, electrical impedence	0.32	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	13 <sup>H</sup>	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	114000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by Hydro Dynamic Focusing, electrical impedence	45.3 <sup>H</sup>	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.4	%	15.0 - 17.0



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Test Name	Value	Unit	Biological Reference interval



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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
est Name		Value	Unit	<b>Biological Reference interval</b>
	ERYTHRO	OCYTE SEDIMEN	TATION RATE (1	ESR)
mune disease, but An ESR can be affe C-reactive protein This test may also stemic lupus eryth <b>DNDITION WITH LO</b> ow ESR can be see olycythaemia), sigr sickle cells in sickl <b>DTE:</b> ESR and C - reactive <b>CRP is not affected</b> If the ESR is elevat Women tend to ha Drugs such as dext	does not tell the health practition cted by other conditions besides in be used to monitor disease activit ematosus <b>W ESR</b> n with conditions that inhibit the hificantly high white blood cell cou e cell anaemia) also lower the ES e protein (C-RP) are both markers es not change as rapidly as does CF by as many other factors as is ESR ed, it is typically a result of two ty we a higher ESR, and menstruation	er exactly where the nflammation. For this y and response to the normal sedimentatio unt (leucocytosis), ar R. of inflammation. RP, either at the start , making it a better m pes of proteins, globu and pregnancy can c	inflammation is in the reason, the ESR is typ erapy in both of the al n of red blood cells, su d some protein abno of inflammation or as <b>arker of inflammation</b> Ilins or fibrinogen. ause temporary eleva	picallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (suc s it resolves. <b>n</b> .





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CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL CHEMISTRY	/BIOCHEMIST	RY
		GLUCOSE FAS	TING (F)	
GLUCOSE FASTING	G (F): PLASMA EE - PEROXIDASE (GOD-PC	D) <b>111.2<sup>H</sup></b>	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

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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Fest Name	Value	Unit	<b>Biological Reference interval</b>
		ROFILE : BASIC	
CHOLESTEROL TOTAL: SERUM	195.91	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXIDASE PAP	135.51	iiig/ uL	BORDERLINE HIGH: 200.0 -
			239.0
			HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM	116.92	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPHATE OXIDASE (E	GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)	BORDERLINE HIGH: 150.0 - 199.0	
			HIGH: 200.0 - 499.0
			VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROL (DIRECT): SE by SELECTIVE INHIBITION	ERUM 58.64	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
.,			60.0
	110.00	( )1	HIGH HDL: $> OR = 60.0$
.DL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	113.89 RY	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: SERUM		mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPECTROPHOTOMET	RY		ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 -
			189.0
			HIGH: 190.0 - 219.0
/LDL CHOLESTEROL: SERUM	23.38	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPECTROPHOTOMET	RY		
FOTAL LIPIDS: SERUM by calculated, spectrophotomet	508.74 RY	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SER	UM 3.34	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPECTROPHOTOMET	RY		AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0
			HIGH RISK: > 11.0
1982/1983/10	2	Λ	
States and the		Thorra	

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		1.94	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	1.99 <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. AJAY KUMAR AGE/ GENDER : 25 YRS/MALE **PATIENT ID** :1718940 :012501080033 **COLLECTED BY** REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** :08/Jan/2025 11:46 AM : **BARCODE NO.** :01523618 **COLLECTION DATE** :08/Jan/2025 11:49AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :08/Jan/2025 12:35PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	<b>Biological Reference interval</b>
LIVER	FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.72	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	0.56	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	26.85	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	25.74	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	1.04	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	84.5	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	17.36	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.77	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.37	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by calculated, spectrophotometry	3.4	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.29	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	Va	alue Unit	Biological 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).

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	
	KIDNE	Y FUNCTIO	ON TEST (COMPLETE)	)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	16.29	mg/dL	10.00 - 50.00	
CREATININE: SERU	JM	0.93	mg/dL	0.40 - 1.40	
-	OGEN (BUN): SERUM	7.61	mg/dL	7.0 - 25.0	
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	8.18 <sup>L</sup>	RATIO	10.0 - 20.0	
by CALCULATED, SPE					
UREA/CREATININ by CALCULATED, SPE		17.52	RATIO		
URIC ACID: SERUM	[	6.3	mg/dL	3.60 - 7.70	
CALCIUM: SERUM by ARSENAZO III, SPE		9.67	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE		3.41	mg/dL	2.30 - 4.70	
<b>ELECTROLYTES</b>					
SODIUM: SERUM by ISE (ION SELECTIV	'E ELECTRODE)	141.5	mmol/L	135.0 - 150.0	
POTASSIUM: SERU		3.98	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM by ISE (ION SELECTIV		106.13	mmol/L	90.0 - 110.0	
ESTIMATED GLOM	IERULAR FILTERATION RATE				
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	116.9			

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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IAME	: Mr. AJAY K	UMAR						
GE/ GENDER	: 25 YRS/MAI	Æ	]	PATIENT ID	:17	18940		
<b>COLLECTED BY</b>	:		]	REG. NO./LAB NO.	:01	250108003	3	
REFERRED BY				<b>REGISTRATION D</b>	<b>ATE</b> :08	/Jan/2025 11	:46 AM	
ARCODE NO.	: 01523618			COLLECTION DAT		/Jan/2025 11		
LIENT CODE.	: KOS DIAGN(	OSTIC I AB		REPORTING DATI		/Jan/2025 12		
CLIENT ADDRESS		HOLSON ROAD, AME				Juli 2020 12		
Fest Name			Value	Un	it	Biologi	cal Reference int	terval
burns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr	xia, high fever). (e.g. ureter colo ass (subnormal tetracycline, glo <b>0:1) WITH ELEV</b> (BUN rises disp superimposed o <b>0:1) WITH DECF</b> osis.	creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease.	n) <b>ELS</b> :			shing's syndr	ome, high protein	diet,
ourns, surgery, cache 2. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. <b>NCREASED RATIO (&gt;2</b> 2. Postrenal azotemia <b>DECREASED RATIO (</b> 4. Acute tubular necr 5. Low protein diet an 6. Severe liver diseas 6. Other causes of de 6. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. <b>DECREASED RATIO (</b> 6. Pregnancy. <b>DECREASED RATIO (</b> 6. Phenacimide thera 8. Rhabdomyolysis (r 6. Muscular patients <b>NAPPROPIATE RATIO</b> 0. Diabetic ketoacido hould produce an in 8. Cephalosporin thera	xia, high fever). (e.g. ureter colu- ass (subnormal tetracycline, gli 0:1) WITH ELEV, (BUN rises disp superimposed of 0:1) WITH DECF osis. Id starvation. 2: creased urea sy urea rather tha monemias (urea f inappropiate of inappropiate f inappropiate of inappropiate f inapprop	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : n creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. te causes false increate eatinine ratio). with creatinine meas	n) ELS: than creatinir out of extrace blood). due to tubula e to creatinin se in creatinir urement).	ne) (e.g. obstructive ellular fluid). ar secretion of urea e).	e uropathy). I. hodologies,re <u>ASSOCIAT</u> No pro			
urns, surgery, cache . Urine reabsorption . Reduced muscle m . Certain drugs (e.g. <b>VCREASED RATIO (&gt;2</b> . Postrenal azotemia <b>DECREASED RATIO (</b> . Acute tubular necr . Low protein diet an . Severe liver diseas . Other causes of de . Repeated dialysis ( . Inherited hyperam . SIADH (syndrome of . Pregnancy. <b>DECREASED RATIO (&lt;</b> . Phenacimide thera . Rhabdomyolysis (r . Muscular patients <b>VAPPROPIATE RATIO</b> . Diabetic ketoacido hould produce an in . Cephalosporin ther <u>STIMATED GLOMERU</u> <u>G1</u> <u>G2</u>	xia, high fever). (e.g. ureter colu- ass (subnormal tetracycline, glu- <b>0:1) WITH ELEV.</b> (BUN rises disp superimposed of <b>0:1) WITH DECF</b> osis. Id starvation. creased urea sy urea rather tha monemias (ureal f inappropiate <b>0:1) WITH INCR</b> py (accelerates eleases muscle who develop re- sis (acetoacetates eleases muscle who develop re- sis (acetoacetates creased BUN/cr apy (interferes <b>LAR FILTERATIC</b> No K	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : n creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. te causes false increa reatinine ratio). with creatinine meas IN RATE: DESCRIPTION rmal kidney function idney damage with ormal or high GFR	n) ELS: than creatinir out of extrace blood). due to tubula e to creatinin se in creatinir urement).	ne) (e.g. obstructive ellular fluid). ar secretion of urea e). ne with certain met L/min/1.73m2 ) >90 >90	e uropathy). I. hodologies,re <u>ASSOCIAT</u> <u>No pro</u> Presence	sulting in nor ED FINDINGS Dteinuria	mal ratio when de	
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ourns, surgery, cache 2. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. NCREASED RATIO (>2 4. Postrenal azotemia 5. Prerenal azotemia 5. Certased RATIO (< 4. Acute tubular necr 5. Low protein diet an 6. Severe liver diseas 6. Other causes of de 6. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. 5. Pregnancy. 5. Phenacimide thera 7. Ababdomyolysis (r 8. Muscular patients 1. Approplate RATIO 6. Diabetic ketoacido hould produce an in 6. CEN STAGE 6. CKD STAGE 6. G1 6. G2	xia, high fever). (e.g. ureter colu- ass (subnormal tetracycline, gli- <b>0:1) WITH ELEV.</b> (BUN rises disp superimposed of <b>0:1) WITH DECF</b> osis. Id starvation. creased urea sy urea rather tha monemias (ureal f inappropiate <b>0:1) WITH INCR</b> py (accelerates eleases muscle who develop real sis (acetoacetates eleases muscle who develop real sis (acetoacetates creased BUN/cr apy (interferes <b>LAR FILTERATIC</b> No K n Mod	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : n creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. te causes false increa reatinine ratio). with creatinine meas IN RATE: DESCRIPTION rmal kidney function idney damage with ormal or high GFR	n) ELS: than creatinir out of extrace blood). due to tubula e to creatinin se in creatinir urement). GFR (m	ne) (e.g. obstructive ellular fluid). ar secretion of urea e). ne with certain met L/min/1.73m2 ) >90 >90	e uropathy). I. hodologies,re <u>ASSOCIAT</u> <u>No pro</u> Presence	sulting in nor ED FINDINGS oteinuria of Protein ,	mal ratio when de	





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

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: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AME	<b>REPORTING DATE</b> BALA CANTT	: 08/Jan/2025 12:35PM
		: 08/Jan/2025 12:35PM
: KOS DIAGNOSTIC LAB	REPORTING DATE	: 08/Jan/2025 12:35PM
:01523618	<b>COLLECTION DATE</b>	:08/Jan/2025 11:49AM
:	<b>REGISTRATION DATE</b>	:08/Jan/2025 11:46 AM
:	<b>REG. NO./LAB NO.</b>	: 012501080033
: 25 YRS/MALE	PATIENT ID	: 1718940
: Mr. AJAY KUMAR		
		0 (Pathology) t Pathologist
	MD (Pathology & Mic Chairman & Consulta : Mr. AJAY KUMAR : 25 YRS/MALE : : : 01523618	MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant : Mr. AJAY KUMAR : 25 YRS/MALE PATIENT ID : REG. NO./LAB NO. : REGISTRATION DATE : 01523618 COLLECTION DATE

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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<b>Dr. Vinay Ch</b> e MD (Pathology & Chairman & Cons		Microbiology)	licrobiology) MD (Pathology)		
NAME	: Mr. AJAY KUMAR				
AGE/ GENDER	: 25 YRS/MALE	PA	TIENT ID	: 1718940	
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<b>ARCODE NO.</b> : 01523618		COLLECTION DATE		:08/Jan/202511:49AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 08/Jan/2025 12:27PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PA	THOLOGY		
	URINE RO	UTINE & MICRO	SCOPIC EXAMINA	ATION	
PHYSICAL EXAMIN	ATION				
QUANTITY RECIEV		10	ml		
COLOUR	TANCE SPECTROPHOTOMETRY	PALE YELLO	w	PALE YELLOW	
-	TANCE SPECTROPHOTOMETRY	HAZY			
	IRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			CLEAR	
SPECIFIC GRAVITY		1.02		1.002 - 1.030	
CHEMICAL EXAMI	TANCE SPECTROPHOTOMETRY NATION				
REACTION		NEUTRAL			
by DIP STICK/REFLEC PROTEIN	TANCE SPECTROPHOTOMETRY	Nogativa		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH		7		5.0 - 7.5	
by DIP STICK/REFLEC BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	0			
NITRITE by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)	
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ů,			
BLOOD by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-	ve)	NEGATIVE (-ve)	
		NEGATIVE (-	ve) /HPF		



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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

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

NAME	: Mr. AJAY KUMAR			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	ABALA CANTI	Г	
Test Name		Value	Unit	<b>Biological Reference interval</b>
by MICROSCOPY ON O	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
CONTRACTOR OF LA	n	0.10		ADCENT

EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	8-10	/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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