



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mr. ASHWANI				
AGE/ GENDER	: 29 YRS/MALE		PATIENT ID	: 1784641	
COLLECTED BY	:		REG. NO./LAB NO.	:01250309004	41
REFERRED BY	:		REGISTRATION DATE	:09/Mar/20251	0:31 AM
BARCODE NO.	: 01526800		COLLECTION DATE	:09/Mar/20251	0:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:09/Mar/20251	1:21AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTI	ſ		
Test Name		Value	Unit	Biolog	ical Reference interval
			ELLNESS PANEL: 1.0 .00D COUNT (CBC))	
RED BLOOD CELL	S (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H	(B)	15.4	gm/dL	12.0 -	17.0
RED BLOOD CELL	(RBC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	6.05 ^H	Millions/	cmm 3.50 -	5.00
PACKED CELL VOL	UME (PCV) AUTOMATED HEMATOLOGY ANALYZER	47.3	%	40.0 -	54.0
MEAN CORPUSCUL	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	78.1 ^L	fL	80.0 -	100.0
MEAN CORPUSCUI	AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER	25.5 ^L	pg	27.0 -	34.0
	AR HEMOGLOBIN CONC. (MCHC)	32.6	g/dL	32.0 -	36.0
RED CELL DISTRIB	BUTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	14.7	%	11.00	- 16.00
	BUTION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	43.4	fL	35.0 -	56.0
MENTZERS INDEX by CALCULATED		12.91	RATIO	13.0	THALASSEMIA TRAIT: < DEFICIENCY ANEMIA:
GREEN & KING INI by CALCULATED		19.01	RATIO	65.0	THALASSEMIA TRAIT:<= DEFICIENCY ANEMIA: >
WHITE BLOOD CE					
TOTAL LEUCOCYTI	E COUNT (TLC) y by sf cube & microscopy	9270	/cmm	4000 -	11000
NUCLEATED RED I	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 -	20.00
	BLOOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %	





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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist



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

NAME	: Mr. ASHWANI		
AGE/ GENDER	: 29 YRS/MALE	PATIENT ID	: 1784641
COLLECTED BY	:	REG. NO./LAB NO.	: 012503090041
REFERRED BY	:	REGISTRATION DATE	: 09/Mar/2025 10:31 AM
BARCODE NO.	: 01526800	COLLECTION DATE	: 09/Mar/2025 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Mar/2025 11:21AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE CO	UNT (DLC)			
NEUTROPHILS by flow cytometry by SF cube & M	MICROSCOPY	51	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	42 ^H	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	5	%	2 - 12
BASOPHILS by flow cytometry by sf cube & M ABSOLUTE LEUKOCYTES (WBC		0	%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	4728	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & M		3893	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	185	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	464	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & M		0	/cmm	0 - 110
ABSOLUTE IMMATURE GRANUL by FLOW CYTOMETRY BY SF CUBE & M	MICROSCOPY	0	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATE	ELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECT	TRICAL IMPEDENCE	262000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECT		0.22	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECT	, TRICAL IMPEDENCE	9	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT by HYDRO DYNAMIC FOCUSING, ELECT	TRICAL IMPEDENCE	48000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (by HYDRO DYNAMIC FOCUSING, ELECT		18.2	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDT by HYDRO DYNAMIC FOCUSING, ELECT		16.2	%	15.0 - 17.0



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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		(Pathology)
NAME : I	Mr. ASHWANI		
AGE/ GENDER : 2	29 YRS/MALE	PATIENT ID	: 1784641
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CLIENT ADDRESS : 6	6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test NameValueUnitBiological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
JAME	: Mr. ASHWANI			
GE/ GENDER	: 29 YRS/MALE	I	ATIENT ID	: 1784641
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EFERRED BY	:	I	REGISTRATION DATE	: 09/Mar/2025 10:31 AM
BARCODE NO.	:01526800	(COLLECTION DATE	:09/Mar/2025 10:33AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	I	REPORTING DATE	:09/Mar/2025 11:30AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SEDIM	ENTATION RATE (ESR)
mmune disease, but 2. An ESR can be affe 1s C-reactive protein 3. This test may also	does not tell the health practitione ected by other conditions besides in	er exactly where nflammation. For	the inflammation is in the this reason, the ESR is ty	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as





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	MD (Path	ay Chopra ology & Microbiology) & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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REFERRED BY	:	RE	GISTRATION DATE	: 09/Mar/2025 10:31 AM
BARCODE NO.	:01526800	CO	LLECTION DATE	:09/Mar/2025 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAP	RE RE	PORTING DATE	:09/Mar/2025 12:18PM
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	C	LINICAL CHEMISTR	Y/BIOCHEMIST	'RY
		CLUCOSE FA	STING (F)	
		ULCCODE I A		

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 text (after consumption of 75 are of glucose) is a common of 45 are of glucose).

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





0 9001 : 2008 CERT	Dr. Vinay (MD (Patholog	Chopra y & Microbiology)	Dr. Yugan MD O & Consultant	Chopra (Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO.	: Mr. ASHWANI : 29 YRS/MALE : : : 01526800	PATIENT REG. NO./ REGISTRA COLLECTI	LAB NO. ATION DATE	: 1784641 : 012503090041 : 09/Mar/2025 10:31 AM : 09/Mar/2025 10:33AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA	REPORTI D, AMBALA CANTT	NG DATE	: 09/Mar/2025 01:13PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE : B	ASIC	
CHOLESTEROL TO by CHOLESTEROL OX		202.91 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSF	ERUM PHATE OXIDASE (ENZYMATIC)	579.3 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM Ion	38.13	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		NOT CALCULATED	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 CHOLEST by CALCULATED, SPE		164.78 ^H	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		NOT CALCULATED	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	CUM	NOT CALCULATED	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE	L RATIO: SERUM	5.32 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
สมองราชราย		4		



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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NAME	: Mr. ASHWANI			
AGE/ GENDER	: 29 YRS/MALE	PATIENT ID)	: 1784641
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		NOT CALCULATED	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H		15.19 ^H	RATIO	3.00 - 5.00
NOTE 2		WHEN TRIGLYCERID LDL AND VLDL ARE N		400 mg/dL THE CALCULATED VALUES OF LE
ADVICE		KINDLY CORRELATE	CLINICALL	Y

ADVICE

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

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Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. ASHWANI NAME AGE/ GENDER : 29 YRS/MALE **PATIENT ID** :1784641 **COLLECTED BY** :012503090041 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** :09/Mar/2025 10:31 AM : **BARCODE NO.** :01526800 **COLLECTION DATE** :09/Mar/2025 10:33AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :09/Mar/2025 01:13PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 0.56 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.11 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY

BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by Calculated, spectrophotometry	0.45	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	24.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.3	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by Calculated, spectrophotometry	1.32	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para Nitrophenyl phosphatase by amino methyl propanol	122.35	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	31.31	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.39	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.34	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by Calculated, spectrophotometry	3.05	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by Calculated, spectrophotometry	1.42	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		Value Unit	Biological Reference interval

Test Name	Value	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).

PROGNOSTIC	SIGNIFICANCE:

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



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HEALTHCARE & DIAGNOSTIC Dr. Yugam Chopra MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist**

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Dr. Vinay Chopra

MD (Pathology & Microbiology)

Test Name	Value	Unit	Biological Reference interval
KIDN	EY FUNCTION TH	EST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)	20.5	mg/dL	10.00 - 50.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY	1.14	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BUN): SERUM by Calculated, spectrophotometry	9.58	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM by Calculated, spectrophotometry	8.4 ^L	RATIO	10.0 - 20.0
UREA/CREATININE RATIO: SERUM by Calculated, spectrophotometry	17.98	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE	11.4 ^H	mg/dL	3.60 - 7.70
CALCIUM: SERUM	10.16	mg/dL	8.50 - 10.60
PHOSPHOROUS: SERUM by phosphomolybdate, spectrophotometry ELECTROLYTES	3.85	mg/dL	2.30 - 4.70
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	140.25	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	4.63	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)	105.19	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR FILTERATION RATE			
ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM by CALCULATED	89.3		

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.

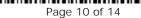
3. GI haemorrhage.



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CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AME	SALA CANTI						
Fest Name			Value	Uni	it	Biolog	gical Refe	erence in	terval
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 	tetracycline, gli 0:1) WITH ELEV (BUN rises disp	creatinine productio icocorticoids) ATED CREATININE LEV roportionately more	ELS:	ine) (e.g. obstructive	e uropathy).			
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 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 hould produce an in Cephalosporin ther STADE	ass (subnormal tetracycline, glu 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 of inappropiate of inappropiate of inappropiate sis (acelerates eleases muscle who develop re- sis (acetoacetation creased BUN/cr apy (interferes ular FILTERATIO	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine meas N RATE: DESCRIPTION	TELS: than creatin out of extract blood). due to tubu e to creatini se in creatin urement).	cellular fluid). Ilar secretion of urea ne). ine with certain met	i. hodologie ASSOC	s,resulting in no		o when de	ehydrati
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 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 (< Phenacimide thera Rhabdomyolysis (r Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	ass (subnormal tetracycline, glu 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 of inappropiate f inappropiate of inappropiate sis (acelerates eleases muscle who develop re- sis (acetoacetat creased BUN/cr apy (interferes ular FILTERATIC	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : Attack of the sease a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function	TELS: than creatin out of extract blood). due to tubu e to creatini se in creatin urement).	cellular fluid). Ilar secretion of urea ne). ine with certain met nL/min/1.73m2) >90	hodologie	s,resulting in no IATED FINDINGS p proteinuria		o when de	ehydrati
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Diherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	ass (subnormal tetracycline, glu 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 of inappropiate of inappropiate of inappropiate of inappropiate sis (acelerates eleases muscle who develop re- sis (acetoacetal creased BUN/cr apy (interferes ULAR FILTERATIO	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : Attack of the sease a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increated eatinine ratio). with creatinine meastor N RATE: DESCRIPTION mal kidney function dney damage with	TELS: than creatin out of extract blood). due to tubu e to creatini se in creatin urement).	cellular fluid). Ilar secretion of urea ne). ine with certain met	hodologie	s,resulting in no IATED FINDINGS proteinuria ince of Protein ,	5	o when de	ehydrati
Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 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 (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther <u>STIMATED GLOMERU</u> <u>G1</u> <u>G2</u>	ass (subnormal tetracycline, glu 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 of inappropiate f inappropiate of inappropiate sis (acetoacetates eleases muscle who develop re- sis (acetoacetates creased BUN/cr apy (interferes LAR FILTERATIC No	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	TELS: than creatin out of extract blood). due to tubu e to creatini se in creatin urement).	cellular fluid). Ilar secretion of urea ne). ine with certain met <u>nL/min/1.73m2) >90 >90</u>	hodologie	s,resulting in no IATED FINDINGS p proteinuria	5	o when de	ehydrati
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 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 (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther <u>STIMATED GLOMERU</u> <u>G1</u> <u>G2</u> <u>G3a</u>	ass (subnormal tetracycline, glu 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 inappropiate of accelerates eleases muscle who develop re- sis (acetoacetat creased BUN/cr apy (interferes LAR FILTERATIC No K No	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : A creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increate eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR id decrease in GFR	TELS: than creatin out of extract blood). due to tubu e to creatini se in creatin urement).	cellular fluid). Ilar secretion of urea ne). ine with certain met <u>nL/min/1.73m2)</u> >90 >90 60 -89	hodologie	s,resulting in no IATED FINDINGS proteinuria ince of Protein ,	5	o when de	ehydrati
Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia 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 (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEphalosporin ther STIMATED GLOMERL G1 G2	ass (subnormal tetracycline, glu 0:1) WITH ELEV. (BUN rises disp superimposed of 0:1) WITH DECF osis. Id starvation. creased urea sy urea rather tha monemias (urea f inappropiate of inappropiate of inappropiate f inappropiate of accelerates eleases muscle who develop re- sis (acetoacetat creased BUN/cr apy (interferes LAR FILTERATIC No K Mod	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	TELS: than creatin out of extract blood). due to tubu e to creatini se in creatin urement).	cellular fluid). Ilar secretion of urea ne). ine with certain met <u>nL/min/1.73m2) >90 >90</u>	hodologie	s,resulting in no IATED FINDINGS p proteinuria nce of Protein ,	5	o when de	ehydrati



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









Test Name		Value	Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	FING DATE	:09/Mar/202501:13PM
BARCODE NO.	:01526800	COLLEC	TION DATE	:09/Mar/2025 10:33AM
REFERRED BY	:	REGIST	RATION DATE	: 09/Mar/2025 10:31 AM
COLLECTED BY	:	REG. NO)./LAB NO.	: 012503090041
AGE/ GENDER	: 29 YRS/MALE	PATIEN	T ID	: 1784641
NAME	: Mr. ASHWANI			
	MD (Pathology & N Chairman & Consu	1icrobiology)	<u> </u>	(Pathology)
	Dr. Vinay Cho	pra I	Dr. Yugam	n Chopra

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 & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME :	Mr. ASHWANI			
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BARCODE NO. :	01526800	COLLE	CTION DATE	: 09/Mar/2025 10:33AM
CLIENT CODE. :	KOS DIAGNOSTIC LAB	REPOI	RTING DATE	:09/Mar/2025 12:39PM
CLIENT ADDRESS :	6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATI		
	LIDINE DO	UTINE & MICROSC		TION
DUVSICAL EVAMINA		UTINE & MICROSC		ATION
PHYSICAL EXAMINA QUANTITY RECIEVED		10	ml	
by DIP STICK/REFLECTAN	NCE SPECTROPHOTOMETRY	10	III	
COLOUR	NCE SPECTROPHOTOMETRY	PALE YELLOW		PALE YELLOW
TRANSPARANCY	VCE SFECTROFHOTOMETRY	HAZY		CLEAR
	NCE SPECTROPHOTOMETRY	1.01		1.000 1.000
SPECIFIC GRAVITY by DIP STICK/REFLECTAN	NCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMINA	TION			
REACTION	NCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN	VCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	NCE SPECTROPHOTOMETRY	-		
SUGAR by DIP STICK/REFLECTAN	NCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
рН		<=5.0		5.0 - 7.5
by DIP STICK/REFLECTAN BILIRUBIN	NCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTAI	NCE SPECTROPHOTOMETRY			
NITRITE by DIP STICK/REFLECTAN	NCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTAN KETONE BODIES	NCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	NCE SPECTROPHOTOMETRY	Negative		
BLOOD	NCE SPECTROPHOTOMETRY	2+		NEGATIVE (-ve)
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLECTAN	NCE SPECTROPHOTOMETRY			
RED BLOOD CELLS (R		10-12	/HPF	0 - 3
	ITRIFUGED URINARY SEDIMENT	10 12	/ 111 1	0.0





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





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. ASHWANI				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
PUS CELLS		2-3	/HPF	0 - 5	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		/		
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)	ABSENT		ABSENT	

*** End Of Report ***



DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) V DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

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