



	Dr. Vinay Chop MD (Pathology & Mid Chairman & Consulta	crobiology)		Pathology)
NAME	: Mr. AMAN SHARMA			
AGE/ GENDER	: 22 YRS/MALE		PATIENT ID	: 1647674
COLLECTED BY	:		REG. NO./LAB NO.	: 012410190040
REFERRED BY	: DR. VARUN GOEL		REGISTRATION DATE	: 19/Oct/2024 11:18 AM
BARCODE NO.	: 01519185		COLLECTION DATE	: 19/Oct/2024 11:24AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 19/Oct/2024 11:57AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA WE	LLNESS PANEL: 1.1	
	COI	MPLETE BLO	OOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)	15.5	gm/dL	12.0 - 17.0
RED BLOOD CELL (RI	3C) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.66 ^H	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUN	/IE (PCV)	47.9	%	40.0 - 54.0
MEAN CORPUSCULA	NUTOMATED HEMATOLOGY ANALYZER R VOLUME (MCV) NUTOMATED HEMATOLOGY ANALYZER	84.7	fL	80.0 - 100.0
MEAN CORPUSCULA	R HAEMOGLOBIN (MCH)	27.4	pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC)	32.4	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	TON WIDTH (RDW-CV)	13	%	11.00 - 16.00
RED CELL DISTRIBUT	TON WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	41.3	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		14.96	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	19.46	RATIO	BETA THALASSEMIA TRAIT:<= 65. IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELL	<u>S (WBCS)</u>			
TOTAL LEUCOCYTE C	OUNT (TLC) y by sf cube & microscopy	5940	/cmm	4000 - 11000
NUCLEATED RED BLO	DOD CELLS (nRBCS) r <i>t hematology analyzer</i>	NIL		0.00 - 20.00
NUCLEATED RED BL	DOD CELLS (nRBCS) % NUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
DIFFERENTIAL LEUC	<u>DCYTE COUNT (DLC)</u>			
NEUTROPHILS	Y BY SE CUBE & MICROSCOPY	54	%	50 - 70
NEUTROPHILS	Y BY SF CUBE & MICROSCOPY	54	%	50 - 70

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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. AMAN SHARMA AGE/ GENDER : 22 YRS/MALE **PATIENT ID** :1647674 **COLLECTED BY** :012410190040 REG. NO./LAB NO. : **REFERRED BY** : DR. VARUN GOEL **REGISTRATION DATE** : 19/Oct/2024 11:18 AM **BARCODE NO.** :01519185 **COLLECTION DATE** : 19/Oct/2024 11:24AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 19/Oct/2024 11:57AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 2 - 12 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 3208 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 2257 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 119 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 356 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE IMMATURE GRANULOCYTE COUNT 0 /cmm 0.0 - 999.0 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 188000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.23 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL 6.50 - 12.0 12^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 81000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 11.0 - 45.0 PLATELET LARGE CELL RATIO (P-LCR) 43.3 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.5 % 15.0 - 17.0

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com





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NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. AMAN SHARMA : 22 YRS/MALE : : DR. VARUN GOEL : 01519185 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REGIST COLLEC REPOR	D./LAB NO. : RATION DATE : TTION DATE :	1647674 012410190040 19/Oct/2024 11:18 AM 19/Oct/2024 11:24AM 19/Oct/2024 12:07PM
Test Name		Value	Unit	Biological Reference interval
	ERYTHI	ROCYTE SEDIMENTA	TION RATE (ESR)	
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus erythe CONDITION WITH LOV A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	does not tell the health practition cted by other conditions besides i be used to monitor disease activit ematosus W ESR n with conditions that inhibit the ifficantly high white blood cell cou e cell anaemia) also lower the ES e protein (C-RP) are both markers is not change as rapidly as does Cf by as many other factors as is ESR ed, it is typically a result of two ty ve a higher ESR, and menstruation	her exactly where the infi inflammation. For this re ty and response to thera normal sedimentation o unt (leucocytosis), and s SR. of inflammation. RP, either at the start of R , making it a better mark pes of proteins, globulin n and pregnancy can caus	ammation is in the bo ason, the ESR is typica py in both of the above f red blood cells, such ome protein abnorma inflammation or as it r er of inflammation. s or fibrinogen. e temporary elevation	llý used in conjunction with other test such e diseases as well as some others, such as as a high red blood cell count lities. Some changes in red cell shape (such esolves.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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







		hopra & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 19/Oct/2024 12:36PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMISTR	Y/BIOCHEMISTR	Y
		GLUCOSE F	ASTING (F)	
	^E): PLASMA E - PEROXIDASE (GOD-POD)	85.74	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

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A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
 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 Name		Value	Unit	Biological Reference interval
		LIPID PROFILE :	BASIC	
CHOLESTEROL TOTA		277.65 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SEF by GLYCEROL PHOSH	RUM PHATE OXIDASE (ENZYMATIC)	132.6	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL by SELECTIVE INHIBIT		49.06	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: by CALCULATED, SP	SERUM ECTROPHOTOMETRY	202.07 ^H	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by calculated, sp	EROL: SERUM ECTROPHOTOMETRY	228.59 ^H	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL by CALCULATED, SPE	: SERUM Естгорнотометгу	26.52	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU	M ectrophotometry	687.9	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL by CALCULATED, SP	RATIO: SERUM ECTROPHOTOMETRY	5.66 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
DL/HDL RATIO: SE	RUM ECTROPHOTOMETRY	4.12 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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DR.YUGAM CHOPRA

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		Chopra y & Microbiology) consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.7 ^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.

 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
	LIV	ER FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.88	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.29	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.59	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	22.24	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	29.28	U/L	0.00 - 49.00
AST/ALT RATIO: SER	UM	0.76	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		84.5	U/L	40.0 - 150.0
GAMMA GLUTAMYL by SZASZ, SPECTROF	. TRANSFERASE (GGT): SERUM	30.4	U/L	0.00 - 55.0
TOTAL PROTEINS: SE	ERUM	7.63	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		5.46	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	ECTROPHOTOMETRY	2.17 ^L	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		2.52 ^H	RATIO	1.00 - 2.00

A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

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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INTERPRETATION





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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).

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
	KIE	ONEY FUNCTIO	ON TEST (COMPLETE)	
UREA: SERUM		26.62	mg/dL	10.00 - 50.00
-	NATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN by ENZYMATIC, SPEC		0.7	mg/dL	0.40 - 1.40
-	DGEN (BUN): SERUM	12.44	mg/dL	7.0 - 25.0
by CALCULATED, SPE				
BLOOD UREA NITRC RATIO: SERUM	OGEN (BUN)/CREATININE	17.77	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININE F		38.03	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	ECTROPHOTOMETRY	0.04H	mg/dL	3.60 - 7.70
by URICASE - OXIDA	SE PEROXIDASE	8.01 ^H	IIIg/ uL	3.00 - 7.70
CALCIUM: SERUM		9.97	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SEF		3.2	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE	DATE, SPECTROPHOTOMETRY		ing/ at	2.00
<u>ELECTROLYTES</u>				
SODIUM: SERUM		138.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERUM		3.92	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		0.72	Thintol/ E	0.00 0.00
CHLORIDE: SERUM		103.95	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	/E ELECTRODE) IRULAR FILTERATION RATE			
	RULAR FILTERATION RATE	133.6		
(eGFR): SERUM		100.0		
by CALCULATED				

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.



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Test Name		Value Unit	Biological Reference interval
INCREASED RATIO (>20 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1	superimposed on renal disease. 0:1) WITH DECREASED BUN :		pathy).
INCREASED RATIO (>20 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 3. Prerenal azotemia 4. Acute tubular necro 5. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO 1. Diabetic ketoacidos should produce an inc 2. Cephalosporin therap	tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE LEV (BUN rises disproportionately more superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffuses monemias (urea is virtually absent in f inappropiate antidiuretic harmone 0:1) WITH INCREASED CREATININE: py (accelerates conversion of creatin eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increating creased BUN/creatinine ratio). apy (interferes with creatinine measing LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with	/ELS: than creatinine) (e.g. obstructive urconstructive urconstruction of extracellular fluid). n blood).) due to tubular secretion of urea. ne to creatinine). use in creatinine with certain method urement). 90 >90	ologies,resulting in normal ratio when dehydra ASSOCIATED FINDINGS No proteinuria Presence of Protein ,
INCREASED RATIO (>20 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 3. Prerenal azotemia 4. Acute tubular necro 5. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO 2. Cephalosporin therap 5. CED STAGE 61 61 62	tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE LEV (BUN rises disproportionately more superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffuses monemias (urea is virtually absent in f inappropiate antidiuretic harmone 0:1) WITH INCREASED CREATININE: py (accelerates conversion of creatin eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increating creased BUN/creatinine ratio). apy (interferes with creatinine measing LAR FILTERATION RATE: DESCRIPTION Normal kidney function	/ELS: than creatinine) (e.g. obstructive urd out of extracellular fluid). n blood).) due to tubular secretion of urea. ne to creatinine). use in creatinine with certain method urement). 90 >90 90 A	ologies,resulting in normal ratio when dehydra ASSOCIATED FINDINGS No proteinuria
INCREASED RATIO (>20 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 3. Acute tubular necro 4. Acute tubular necro 5. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (re 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO 2. Cephalosporin therap 5. CED STAGE CKD STAGE G1	tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE LEV (BUN rises disproportionately more superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffuses monemias (urea is virtually absent in f inappropiate antidiuretic harmone 0:1) WITH INCREASED CREATININE: py (accelerates conversion of creatin eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increating creased BUN/creatinine ratio). apy (interferes with creatinine measing LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR	/ELS: than creatinine) (e.g. obstructive urd out of extracellular fluid). n blood).) due to tubular secretion of urea. ne to creatinine). urement). <u>GFR (mL/min/1.73m2)</u> >90 >90 60 -89	ologies,resulting in normal ratio when dehydra ASSOCIATED FINDINGS No proteinuria Presence of Protein ,

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

Kidney failure

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

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MD (Pathology & M Chairman & Consul			(Pathology)
: Mr. AMAN SHARMA			
: 22 YRS/MALE	PATIENT	' ID	: 1647674
:	REG. NO.	/LAB NO.	: 012410190040
: DR. VARUN GOEL	REGISTR	ATION DATE	: 19/Oct/2024 11:18 AM
: 01519185	COLLECT	ION DATE	: 19/Oct/2024 11:24AM
: KOS DIAGNOSTIC LAB	REPORT	ING DATE	: 19/Oct/2024 12:36PM
: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
			Biological Reference interval
	: Mr. AMAN SHARMA : 22 YRS/MALE : : DR. VARUN GOEL : 01519185 : KOS DIAGNOSTIC LAB	: Mr. AMAN SHARMA: 22 YRS/MALE: DR. VARUN GOEL: 01519185COLLECT	: Mr. AMAN SHARMA: 22 YRS/MALEPATIENT ID:REG. NO./LAB NO.: DR. VARUN GOELREGISTRATION DATE: 01519185COLLECTION DATE: KOS DIAGNOSTIC LABREPORTING DATE: 6349/1, NICHOLSON ROAD, AMBALA CANTT

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



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

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com







	MD (Pathology Chairman & Co	onsultant Pathologist	MD (Pa CEO & Consultant Pat	
NAME	: Mr. AMAN SHARMA			
AGE/ GENDER	: 22 YRS/MALE	PAT	IENT ID :	1647674
COLLECTED BY	•	REG	. NO./LAB NO.	: 012410190040
REFERRED BY	: DR. VARUN GOEL			: 19/Oct/2024 11:18 AM
BARCODE NO.	: 01519185			: 19/Oct/2024 11:24AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE :	: 19/Oct/2024 12:49PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
Test Name	TH	Value ENDOCRIN YROID STIMULATIN	OLOGY	Biological Reference interva
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY	Biological Reference interva
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN vescent microparticle immunc rasensitive	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN vescent microparticle immunc rasensitive AGE	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μΙL	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μΙL 0.70 – 15.20	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN vescent microparticle immunc rasensitive AGE	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μΙL	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL <u>REFFERENCE RANGE (μIL</u> 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIL 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	0.35 - 5.50
THYROID STIMULAT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIL 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOCRIN YROID STIMULATIN 1 0.955 DASSAY)	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIL 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOCRIN YROID STIMULATIN 1 0.955	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIL 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	0.35 - 5.50
THYROID STIMULAT by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ENDOCRIN YROID STIMULATIN 1 0.955 DASSAY)	OLOGY G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIL 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	0.35 - 5.50

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USE:- TSH controls biosynthesis and release of thyroid harmones T4 & T3. It is a sensitive measure of thyroid function, especially useful in early or subclinical hypothyroidism, before the patient develops any clinical findings or goitre or any other thyroid function abnormality. **INCREASED LEVELS**:

1. Primary or untreated hypothyroidism, may vary from 3 times to more than 100 times normal depending on degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis.

4.DRUGS: Amphetamines, Iodine containing agents and dopamine antagonist.

5. Neonatal period, increase in 1st 2-3 days of life due to post-natal surge.

DECREASED LEVELS:

1. Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.



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

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 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Ch MD (Pathology & Chairman & Con	Microbiology)	Dr. Yugan MD EO & Consultant	(Pathology)
NAME	: Mr. AMAN SHARMA			
AGE/ GENDER	: 22 YRS/MALE	PATIENT	ID	: 1647674
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis. 8.Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.



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

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 0171-2643898, +91 99910 43898
 care@koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. AMAN SHARMA			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			
	, , , , , , , , , , , , , , , , , , , ,			
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO	DLOGY	
	URINF RO	DUTINE & MICROSCO	PIC FXAMINAT	TION
PHYSICAL EXAMINA				
QUANTITY RECIEVED		10	ml	
	TANCE SPECTROPHOTOMETRY	10	1111	
COLOUR		PALE YELLOW		PALE YELLOW
by DIP STICK/REFLEC TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY	ULEAR		CLEAR
SPECIFIC GRAVITY		1.02		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINA	ATION			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY			
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECIFICITION CITET	<=5.0		5.0 - 7.5
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
BILIRUBIN		Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	Nogutivo		
		Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Nogativo		
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			

by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY MICROSCOPIC EXAMINATION



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

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









Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO MAN SHARMA S/MALE PATIENT ID

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

NAME	: Mr. AMAN SHARMA				
AGE/ GENDER	: 22 YRS/MALE	PATIENT	ID	: 1647674	
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CLIENT CODE.			NG DATE		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval	
		Value	onne	biological Reference interval	
•	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	
by MICROSCOPY ON OPUS CELLS					
PUS CELLS by MICROSCOPY ON C EPITHELIAL CELLS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	
by MICROSCOPY ON O PUS CELLS by MICROSCOPY ON O EPITHELIAL CELLS by MICROSCOPY ON O CRYSTALS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve) 2-3	/HPF /HPF	0 - 3 0 - 5	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT





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

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 www.koshealthcare.com



NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT