



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME : Mr. R	АЛV SONI				
AGE/ GENDER : 54 YR	S/MALE		PATIENT ID	: 1563279	
COLLECTED BY :			REG. NO./LAB NO.	: 012407280055	
REFERRED BY :			REGISTRATION DATE	: 28/Jul/2024 11:10 AM	
BARCODE NO. : 01513	990		COLLECTION DATE	: 28/Jul/2024 11:11AM	
	DIAGNOSTIC LAB		REPORTING DATE	: 28/Jul/2024 12:04PM	
CLIENT ADDRESS : 6349/	1, NICHOLSON ROAD, AMB	ALA CANTT			
Test Name		Value	Unit	Biological Refe	erence interval
	SWAST	THYA WE	LLNESS PANEL: 1.0		
	COM	IPI FTF BI (DOD COUNT (CBC)		
RED BLOOD CELLS (RBCS) CO			(,		
HAEMOGLOBIN (HB)		14.9	gm/dL	12.0 - 17.0	
by CALORIMETRIC RED BLOOD CELL (RBC) COUN			Millions/	cmm 3.50 - 5.00	
by HYDRO DYNAMIC FOCUSING		5.02 ^H	IVIIIIOTIS/		
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATE	D HEMATOLOGY ANALYZER	45.4	%	40.0 - 54.0	
MEAN CORPUSCULAR VOLUM	1E (MCV)	90.4	fL	80.0 - 100.0	
by CALCULATED BY AUTOMATE MEAN CORPUSCULAR HAEM	OGLOBIN (MCH)	29.7	pg	27.0 - 34.0	
by CALCULATED BY AUTOMATE MEAN CORPUSCULAR HEMO	GLOBIN CONC. (MCHC)	32.9	g/dL	32.0 - 36.0	
by CALCULATED BY AUTOMATE RED CELL DISTRIBUTION WID		13.7	%	11.00 - 16.00	
			fl		
RED CELL DISTRIBUTION WID		46.4	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		18.01	RATIO		SEMIA TRAIT: < 13.0 NCY ANEMIA: >13.0
GREEN & KING INDEX		24.69	RATIO		SEMIA TRAIT: < =
by CALCULATED				65.0	
WHITE BLOOD CELLS (WBCS)				IRON DEFICIEI	NCY ANEMIA: > 65.0
TOTAL LEUCOCYTE COUNT (TI	_C)	8430	/cmm	4000 - 11000	
by FLOW CYTOMETRY BY SF CL NUCLEATED RED BLOOD CELL	S (nRBCS)	NIL		0.00 - 20.00	
by CALCULATED BY AUTOMATE MICROSCOPY	D HEMATOLOGY ANALYZER &				
NUCLEATED RED BLOOD CELL by CALCULATED BY AUTOMATE MICROSCOPY	. ,	NIL	%	< 10 %	





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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

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	54 YRS/MALE 01513990 KOS DIAGNOSTIC LAB	54 YRS/MALE PATIENT ID REG. NO./LAB NO. REGISTRATION DATE 01513990 COLLECTION DATE KOS DIAGNOSTIC LAB REPORTING DATE

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by SF cube & microscopy	70 ^H	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	22	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1 ^L	%	1-6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	7	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT	0	%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5901	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1855	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by SF cube & microscopy	84	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	590	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE MARKE	RS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	301000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.31	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	10	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	77000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	25.5	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence	15.9	%	15.0 - 17.0





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<u> </u>			

 Test Name
 Value
 Unit
 Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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Test Name		Value	Unit	Biological Reference interval
	ERYT	HROCYTE SEDIMENT	ATION RATE (ESI	R)
by MODIFIED WESTEF	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	7	mm/1st h	
CONDITION WITH LO 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	hificantly high white blood cell le cell anaemia) also lower the es protein (C-RP) are both marke es not change as rapidly as does I by as many other factors as is l ed, it is typically a result of two ave a higher ESR, and menstruat	count (leucocytosis), and ESR. CRP, either at the start of SR, making it a better mar i types of proteins, globulir ion and pregnancy can cau	some protein abno inflammation or as ker of inflammation is or fibrinogen. se temporary eleva	1.



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		nopra & Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
			RY/BIOCHEMISTR	-

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 TOTAL: SERUM	158.76	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXIDASE PAP	100.70	ing, at	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)	105.88	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
			HIGH: 200.0 - 499.0
			VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROL (DIRECT): SERUM	90.46 ^H	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITION			BORDERLINE HIGH HDL: 30.0 - 60.0
			HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM	47.12	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPECTROPHOTOMETRY		-	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	68.3	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPECTROPHOTOMETRY		J	ABOVE OPTIMAL: 130.0 - 159.0
			BORDERLINE HIGH: 160.0 - 189.0
			HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: SERUM	21.18	mg/dL	0.00 - 45.00
by CALCULATED, SPECTROPHOTOMETRY		, i i i i i i i i i i i i i i i i i i i	
TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY	423.4	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SERUM	1.76	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPECTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0
			MODERATE RISK: 7.10 - 11.0
	0.52	RATIO	HIGH RISK: > 11.0 LOW RISK: 0.50 - 3.0
LDL/HDL RATIO: SERUM by calculated, spectrophotometry	0.52	KATIU	MODERATE RISK: 3.10 - 6.0
			HIGH RISK: > 6.0
	Λ		

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.17 ^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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Dr. Vinay Chopra

MD (Pathology & Microbiology)

Chairman & Consultant Pathologist



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

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Test Name	Value	Unit	Biological Reference interval
L	IVER FUNCTION TE	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.47	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by diazo modified, spectrophotometry	0.24	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.23	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	35.35	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	27.74	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.27	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METH PROPANOL	72.63 YL	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	52.44	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by biuret, spectrophotometry	7.27	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.92	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.35	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.17	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:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5





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HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3	Slightly Increase	ed)

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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KI	DNEY FUNCTION TE	ST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)	22.23	mg/dL	10.00 - 50.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY	1.16	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY	10.39	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	8.96 ^L	RATIO	10.0 - 20.0
UREA/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	19.16	RATIO	
URIC ACID: SERUM	8.14 ^H	mg/dL	3.60 - 7.70
by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY	9.26	mg/dL	8.50 - 10.60
PHOSPHOROUS: SERUM by phosphomolybdate, spectrophotometry	3.47	mg/dL	2.30 - 4.70
ELECTROLYTES			
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	141.5	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	4.24	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE) ESTIMATED GLOMERULAR FILTERATION RATE	106.13	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM	74.8		

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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REFERRED BY	:		REGISTRATION DAT		
BARCODE NO.	:01513990		COLLECTION DATE	: 28/Jul/2024 11:11	IAM
CLIENT CODE.	: KOS DIAGNOSTIC LAP	3	REPORTING DATE	: 28/Jul/2024 01:21	IPM
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANT	Г		
Test Name		Value	Unit	Biological	Reference interval
ourns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia		e production) vids) ATININE LEVELS: vately more than creati		toxicosis, Cushing's syndron ropathy).	ne, high protein diet,
ourns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (8. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatining tetracycline, glucocortico 0:1) WITH ELEVATED CRE (BUN rises disproportion superimposed on renal d 10:1) WITH DECREASED BL osis. Ind starvation. e. creased urea synthesis. urea rather than creatini monemias (urea is virtua of inappropiate antidiuret 10:1) WITH INCREASED CR I py (accelerates conversio eleases muscle creatining who develop renal failuret	e production) bids) ATININE LEVELS: bately more than creating isease. IN : IN second second second second IV absent in blood). ic harmone) due to tub EATININE: n of creatine to creating b).	nine) (e.g. obstructive u acellular fluid). ular secretion of urea.		ne, high protein diet,
burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (8. Phenacimide thera 9. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatining tetracycline, glucocortico 0:1) WITH ELEVATED CRE (BUN rises disproportion superimposed on renal d 10:1) WITH DECREASED BL osis. Ind starvation. e. creased urea synthesis. urea rather than creatini monemias (urea is virtua of inappropiate antidiuret 10:1) WITH INCREASED CRI py (accelerates conversio eleases muscle creatining who develop renal failuret : sis (acetoacetate causes	e production) bids) ATININE LEVELS: bately more than creating isease. IN : In e diffuses out of extra lly absent in blood). ic harmone) due to tub EATININE: n of creatine to creating e). e. false increase in creating	nine) (e.g. obstructive u acellular fluid). ular secretion of urea. ine).		
burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (8. Phenacimide thera 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thera	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatining tetracycline, glucocortico 0:1) WITH ELEVATED CRE/ (BUN rises disproportion superimposed on renal d 10:1) WITH DECREASED BL osis. Ind starvation. 2. creased urea synthesis. urea rather than creatini monemias (urea is virtua of inappropiate antidiuret 10:1) WITH INCREASED CRI py (accelerates conversio eleases muscle creatining who develop renal failuret sis (acetoacetate causes creased BUN/creatinine r apy (interferes with creat	e production) bids) ATININE LEVELS: bately more than creating isease. IN : In e diffuses out of extra lly absent in blood). ic harmone) due to tub EATININE: n of creatine to creating e). e. false increase in creating atio).	nine) (e.g. obstructive u acellular fluid). ular secretion of urea. ine).	ropathy).	
burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (8. Phenacimide thera 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thera	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatining tetracycline, glucocorticc 0:1) WITH ELEVATED CRE / (BUN rises disproportion superimposed on renal d 10:1) WITH DECREASED BL osis. ad starvation. e. creased urea synthesis. urea rather than creatini monemias (urea is virtua of inappropiate antidiuret 10:1) WITH INCREASED CR I py (accelerates conversio eleases muscle creatining who develop renal failuret : sis (acetoacetate causes creased BUN/creatining r	e production) bids) ATININE LEVELS: bately more than creating isease. IN : In e diffuses out of extra lly absent in blood). ic harmone) due to tub EATININE: n of creatine to creating e). e. false increase in creating atio). cinine measurement).	nine) (e.g. obstructive u acellular fluid). ular secretion of urea. ine).	ropathy).	

	DESORITION		O(R(1)L/1)(1/2)	ASSOCIATED TINDINOS
	G1	Normal kidney function	>90	No proteinuria
	G2	Kidney damage with normal or high GFR	>90	Presence of Protein , Albumin or cast in urine
	G3a	Mild decrease in GFR	60 -89	
	G3b	Moderate decrease in GFR	30-59	
G4		Severe decrease in GFR	15-29	
	G5 Kidney failure		<15	



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 Patholo		(Pathology)
NAME	: Mr. RAJIV SONI		
AGE/ GENDER	: 54 YRS/MALE	PATIENT ID	: 1563279
COLLECTED BY	:	REG. NO./LAB NO.	: 012407280055
REFERRED BY	:	REGISTRATION DATE	: 28/Jul/2024 11:10 AM
BARCODE NO.	: 01513990	COLLECTION DATE	: 28/Jul/2024 11:11AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 28/Jul/2024 01:21PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	TT	
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

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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		hopra & Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	IOLOGY	
		ROUTINE & MICROSC		
PHYSICAL EXAMINA		ROOTINE & MICROSC		
QUANTITY RECIEVE		10	ml	
	TANCE SPECTROPHOTOMETRY	10	1111	
				PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY			
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		ACIDIC		
by DIP STICK/REFLEC PROTEIN	TANCE SPECTROPHOTOMETRY	Nogativo		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	6		5.0 - 7.5
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	Nermal		0.0.10
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLEC	TAINGE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs)	NEGATIVE (-ve)	/HPF	0 - 3

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	· · ·		
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	0-1	/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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