



	MD (Pa	nay Chopra thology & Microbiology) an & Consultant Pathologist		(Pathology)
NAME	: Mr. RANJIT SINGH			
AGE/ GENDER	: 53 YRS/MALE	]	PATIENT ID	: 1634020
COLLECTED BY	:	]	REG. NO./LAB NO.	: 012410040014
REFERRED BY	:	]	REGISTRATION DATE	: 04/Oct/2024 09:15 AM
BARCODE NO.	:01518270		COLLECTION DATE	: 04/Oct/2024 09:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LA		REPORTING DATE	: 04/Oct/2024 09:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		SWASTHYA WEL	LNESS PANEL: 1.0	
		COMPLETE BLO	OD COUNT (CBC)	
RED BLOOD CELLS (F	BCS) COUNT AND IND	ICES		
HAEMOGLOBIN (HB)		16.4	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RE		E aoH	Millions/o	mm 3.50 - 5.00
	FOCUSING, ELECTRICAL II	5.32 <sup>H</sup>		
	1E (PCV) <i>UTOMATED HEMATOLOG</i>	49.4	%	40.0 - 54.0
MEAN CORPUSCULA		92.9	fL	80.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOG			07.0.04.0
	R HAEMOGLOBIN (MCI UTOMATED HEMATOLOG		pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC.	(MCHC) 33.1	g/dL	32.0 - 36.0
•	UTOMATED HEMATOLOG <sup>*</sup> ION WIDTH (RDW-CV)	Y ANALYZER 13.4	%	11.00 - 16.00
	UTOMATED HEMATOLOG		70	11.00 - 10.00
	ION WIDTH (RDW-SD)	46.7	fL	35.0 - 56.0
MENTZERS INDEX	UTOMATED HEMATOLOG	Y ANALYZER 17.46	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	Х	23.38	RATIO	BETA THALASSEMIA TRAIT:<= 65.
by CALCULATED WHITE BLOOD CELLS	S (WRCS)			IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE C		6230	/cmm	4000 - 11000
	BY SF CUBE & MICROSC		7 CHIIII	4000 - 11000
	OOD CELLS (nRBCS) RT HEMATOLOGY ANALYZ	NIL		0.00 - 20.00
	OD CELLS (nRBCS) %	NIL	%	< 10 %
by CALCULATED BY A	UTOMATED HEMATOLOG			
	<u> DCYTE COUNT (DLC)</u>			
<u>DIFFERENTIAL LEUCO</u> NEUTROPHILS	······	54	%	50 - 70





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

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



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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RANJIT SINGH AGE/ GENDER : 53 YRS/MALE **PATIENT ID** :1634020 **COLLECTED BY** :012410040014 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :04/0ct/2024 09:15 AM **BARCODE NO.** :01518270 **COLLECTION DATE** :04/0ct/2024 09:21AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :04/Oct/2024 09:55AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 34 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 4 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12 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 3364 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT 2118 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 249 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 498 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 - 110 0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 203000 150000 - 450000 PLATELET COUNT (PLT) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.24 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 76000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 37.3 11.0 - 45.0 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 16.6 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	FRYTH			a
			MENTATION RATE (ESR	
	MENTATION RATE (ESR) Gation by capillary photometry	10	mm/1st hr	0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus erythe <b>CONDITION WITH LOV</b> A low ESR can be see (polycythaemia), sigr as sickle cells in sickl <b>NOTE:</b> 1. ESR and C - reactive 2. Generally, ESR doe 3. <b>CRP is not affected</b>	does not tell the health practition cted by other conditions besides in be used to monitor disease activity ematosus <b>N ESR</b> n with conditions that inhibit the r	er exactly where flammation. Fo y and response t normal sediment int (leucocytosis R. of inflammation. P, either at the making it a bett	e the inflammation is in the r this reason, the ESR is typ to therapy in both of the ab tation of red blood cells, su ) , and some protein abnor start of inflammation or as <b>ter marker of inflammation</b> .	ically used in conjunction with other test such pove diseases as well as some others, such as ich as a high red blood cell count malities. Some changes in red cell shape (such it resolves.
<ol><li>Drugs such as dext</li></ol>	ve a higher ESR, and menstruation ran, methyldopa, oral contracepti d quinine may decrease it	and pregnancy ( ves, penicillamir	can cause temporary elevat ne procainamide, theophyll	ine, and vitamin A can increase ESR, while





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	:04/Oct/2024 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			//BIOCHEMISTR	v
	CLIN	ICAL CITLIVIISTA	DIOOTILIWIIJIK	
	CLIN	GLUCOSE FAS		

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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0 9001 : 2008 CERTIFIED LAB			EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS
М	<b>Pr. Vinay Chopra</b> D (Pathology & Micro hairman & Consultan	obiology)		(Pathology)
NAME : Mr. RANJIT SI AGE/ GENDER : 53 YRS/MALE COLLECTED BY :	NGH		PATIENT ID REG. NO./LAB NO.	: 1634020 : <b>012410040014</b>
REFERRED BY:BARCODE NO.: 01518270CLIENT CODE.: KOS DIAGNOS	TIC LAB OLSON ROAD, AMBA	LA CANTT	REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 04/Oct/2024 09:15 AM : 04/Oct/2024 09:21AM : 04/Oct/2024 11:21AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PR	OFILE : BASIC	
CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP		210.24 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (EN	IZYMATIC)	176.94 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION		45.56	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETR	1	129.29	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 CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETR	Y	164.68 <sup>H</sup>	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: SERUM by calculated, spectrophotometry	(	35.39	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by calculated, spectrophotometry		597.42	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETR		4.61 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SERUM by Calculated, spectrophotometr	Ý	2.84	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
	1	(	shopra	

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	3.88	RATIO	3.00 - 5.00

by CALCULATED, SPECTROPHOTOMETRY

#### **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 recommended.

3. 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. 4. 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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**EXCELLENCE IN HEALTHCARE & DIAGNOSTICS** Dr. Yugam Chopra MD (Pathology) **CEO & Consultant Pathologist** 

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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	Biological Reference interval
LIV	/ER FUNCTION TES	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.97	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	0.73	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	32.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	27.4	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.2	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHY PROPANOL	124.65 L	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	89.97 <sup>H</sup>	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.69	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.9	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.79	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.4	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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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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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Test Name		Value	Unit	Biological Reference interva
	KI	DNEY FUNCTION T	EST (COMPLETE)	
UREA: SERUM		23.55	mg/dL	10.00 - 50.00
	MATE DEHYDROGENASE (GLDH)	20.00	ing, de	10.00 00.00
CREATININE: SERUN		1.19	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC		11	ma (dl	7.0. 25.0
by CALCULATED, SPE	GEN (BUN): SERUM	11	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	9.24 <sup>L</sup>	RATIO	10.0 - 20.0
RATIO: SERUM		,. <b>_</b> .		
-		10.70	DATIO	
UREA/CREATININE F by CALCULATED, SPE		19.79	RATIO	
URIC ACID: SERUM		6.27	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE			
CALCIUM: SERUM		9.63	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SER		2.7	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	2.1	Thy/uL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		145.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	/E ELECTRODE)			
POTASSIUM: SERUM		4.25	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	/E ELECTRODE)	100.2		00.0 110.0
CHLORIDE: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	109.2	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	73		
(eGFR): SERUM		10		
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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<ol> <li>Other causes of de</li> </ol>	creased urea synthesis.				
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome o 8. Pregnancy. <b>DECREASED RATIO (</b> < 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients <b>INAPPROPIATE RATIO</b> 1. Diabetic ketoacido	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr IO:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in	ent in blood). none) due to tubular se NE: reatine to creatinine).	cretion of urea.	ogies,resulting in normal	ratio when dehydratic
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. <b>DECREASED RATIO (</b> < 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thei	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr <b>10:1) WITH INCREASED CREATINI</b> py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio). rapy (interferes with creatinine r	ent in blood). none) due to tubular se NE: reatine to creatinine). ncrease in creatinine wi	cretion of urea.	ogies,resulting in normal	ratio when dehydratic
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thei	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr IO:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio).	ent in blood). none) due to tubular se NE: reatine to creatinine). ncrease in creatinine wi	cretion of urea.	ogies,resulting in normal SOCIATED FINDINGS	ratio when dehydratic
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio). apy (interferes with creatinine r JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund	ent in blood). mone) due to tubular se NE: reatine to creatinine). ncrease in creatinine wi measurement). GFR (mL/mi ction >9	cretion of urea. th certain methodolo n/1.73m2 ) AS	SOCIATED FINDINGS	ratio when dehydratic
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio). apy (interferes with creatinine r JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund Kidney damage w	ent in blood). mone) due to tubular se NE: reatine to creatinine). ncrease in creatinine wi measurement). GFR (mL/mi ction >9 rith >9	cretion of urea. th certain methodolo h/1.73m2 )AS	SOCIATED FINDINGS No proteinuria resence of Protein ,	ratio when dehydratic
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. <b>DECREASED RATIO (</b> < 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1 G2	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio). apy (interferes with creatinine r JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund Kidney damage w normal or high G	ent in blood). mone) due to tubular se NE: reatine to creatinine). ncrease in creatinine wi measurement). GFR (mL/mi ction >9 rith >9 FR	tretion of urea.	SOCIATED FINDINGS	ratio when dehydratic
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1	urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio). apy (interferes with creatinine r JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund Kidney damage w	ent in blood). mone) due to tubular se NE: reatine to creatinine). ncrease in creatinine wi measurement). <u>GFR ( mL/mi</u> ction <u>&gt;9</u> rith >9 FR	th certain methodolo h/1.73m2 ) AS ) Pr Alb 39	SOCIATED FINDINGS No proteinuria resence of Protein ,	ratio when dehydratic

G4 G5

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

Severe decrease in GFR

Kidney failure

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

15-29

<15

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	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mr. RANJIT SINGH		
AGE/ GENDER	: 53 YRS/MALE	PATIENT ID	: 1634020
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012410040014
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 04/Oct/2024 09:15 AM
BARCODE NO.	: 01518270	<b>COLLECTION DATE</b>	: 04/Oct/2024 09:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 04/Oct/2024 11:21AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
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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<b>Dr. Vinay Ch</b> MD (Pathology & Chairman & Con				m Chopra D (Pathology) nt Pathologist	
NAME	: Mr. RANJIT SINGH				
AGE/ GENDER	: 53 YRS/MALE	PATIH	ENT ID	: 1634020	
COLLECTED BY	:	REG. N	IO./LAB NO.	: 012410040014	
<b>REFERRED BY</b> : <b>BARCODE NO.</b> : 01518270		REGISTRATION DATE COLLECTION DATE		:04/Oct/2024 09:15 AM	
				:04/Oct/2024 09:21AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 04/Oct/2024 09:50AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATH	IOLOGY		
	URINE RO	OUTINE & MICROSC	OPIC EXAMINAT	TION	
PHYSICAL EXAMINA	TION				
QUANTITY RECIEVED	)	10	ml		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY					
		PALE YELLOW		PALE YELLOW	
		CLEAR		CLEAR	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY		1.02		1.002 - 1.030	
	TANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030	
CHEMICAL EXAMINA	ATION				
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		ACIDIC			
		Negative		NEGATIVE (-ve)	
		Negative			
SUGAR		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN		5.5		5.0 - 7.5	
		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.					
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
•	TANCE SPECTROPHOTOMETRY	Nogativo			
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)	
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				

MICROSCOPIC EXAMINATION



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 MD (Pathology & Microbiology) Chairman & Consultant Pathologist

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

NAME	: Mr. RANJIT SINGH				
AGE/ GENDER	: 53 YRS/MALE	PATIENT	ID	: 1634020	
COLLECTED BY	:	REG. NO./LAB NO.		:012410040014	
REFERRED BY         :           BARCODE NO.         :01518270		REGISTRATION DATE COLLECTION DATE		: 04/Oct/2024 09:15 AM : 04/Oct/2024 09:21AM	
					CLIENT CODE.
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM				
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)	/HPF	0 - 3	
PUS CELLS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		0-2	/HPF	ABSENT	
CRYSTALS		NEGATIVE (-ve)		NEGATIVE (-ve)	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS 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)

NEGATIVE (-ve)

ABSENT





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

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NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT