



	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta	crobiology)		(Pathology)
NAME	: Mr. RANJIT SINGH			
AGE/ GENDER	: 74 YRS/MALE		PATIENT ID	: 1600279
COLLECTED BY	:		REG. NO./LAB NO.	: 012409030005
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 03/Sep/2024 08:16 AM
BARCODE NO.	:01516210		COLLECTION DATE	: 03/Sep/2024 09:31AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 03/Sep/2024 09:10AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			· · · · · ·
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA WE	LLNESS PANEL: 1.0	
	CO	MPI FTF BI (	DOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.1 <sup>L</sup>	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB	C) COUNT OCUSING, ELECTRICAL IMPEDENCE	3.99	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUN	IE (PCV) UTOMATED HEMATOLOGY ANALYZER	34.8 <sup>L</sup>	%	40.0 - 54.0
MEAN CORPUSCULAI	R VOLUME (MCV)	87.4	fL	80.0 - 100.0
MEAN CORPUSCULA	utomated hematology analyzer R HAEMOGLOBIN (MCH)	27.8	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC)	31.9 <sup>L</sup>	g/dL	32.0 - 36.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER ION WIDTH (RDW-CV)	14.6	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	47.8	fL	35.0 - 56.0
MENTZERS INDEX		21.9	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	31.96	RATIO	BETA THALASSEMIA TRAIT:<= 65. IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	(WBCS)			
TOTAL LEUCOCYTE C	DUNT (TLC) ' by sf cube & microscopy	6030	/cmm	4000 - 11000
NUCLEATED RED BLC	OOD CELLS (nRBCS) 27 HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED BLC	OOD CELLS (nRBCS) %	NIL	%	< 10 %
•	UTOMATED HEMATOLOGY ANALYZER			
DIFFERENTIAL LEUCO	<u>ICTTE COUNT (DLC)</u>			
NEUTROPHILS		59	%	50 - 70



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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Yugam Chopra

MD (Pathology)

**Biological Reference interval** 

20 - 40

1-6

2 - 12

0 - 1

2000 - 7500

800 - 4900

40 - 440

80 - 880

0 - 110

150000 - 450000

0.10 - 0.36

6.50 - 12.0

11.0 - 45.0

15.0 - 17.0

30000 - 90000

MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. RANJIT SINGH AGE/ GENDER : 74 YRS/MALE **PATIENT ID** :1600279 **COLLECTED BY** :012409030005 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :03/Sep/2024 08:16 AM **BARCODE NO.** :01516210 **COLLECTION DATE** :03/Sep/2024 09:31AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :03/Sep/2024 09:10AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit LYMPHOCYTES 28 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 3558 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1688 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 302 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 482 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 156000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.2 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 13<sup>H</sup> **MEAN PLATELET VOLUME (MPV)** fL by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 75000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

48.1<sup>H</sup>

16.5

Dr. Vinay Chopra

PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

% %





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 03/Sep/2024 09:27AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTI	Г	
Test Name		Value	Unit	Biological Reference interval
			IMENTATION DATE (ESE	
	MENTATION RATE (ESR)	8 8	IMENTATION RATE (ESF mm/1st h	
(polycythaemia), sigr as sickle cells in sick <b>NOTE:</b> 1. ESR and C - reactiv 2. Generally, ESR doe 3. <b>CRP is not affected</b> 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dexi	n with conditions that inhibit the non ificantly high white blood cell coun- e cell anaemia) also lower the ESR. e protein (C-RP) are both markers of es not change as rapidly as does CRP, by as many other factors as is ESR, n ed, it is typically a result of two type we a higher ESR, and menstruation a	t (leucocytos inflammatio , either at the <b>naking it a be</b> s of proteins nd pregnancy	is), and some protein abnor n. e start of inflammation or as etter marker of inflammation s, globulins or fibrinogen. y can cause temporary elevat	rmalities. Šome changes in red cell shape (such it resolves.
	ch.		Ghopra	





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 03/Sep/2024 09:52AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIF	Value		-
	CLIM		/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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Page 4 of 14





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 03/Sep/2024 09:59AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTA	AL: SERUM	130.59	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL O	XIDASE PAP			BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SEF	RUM PHATE OXIDASE (ENZYMATIC)	92.93	mg/dL	OPTIMAL: < 150.0
by GLICEROL PHOSE	HATE UNIDASE (ENZTMATIC)			BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
HDL CHOLESTEROL		56.63	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBIT	TION			BORDERLINE HIGH HDL: 30.0 - 60.0
				HIGH HDL: > OR = 60.0
DL CHOLESTEROL:	SERUM	55.37	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	ECTROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 - 159. HIGH: 160.0 - 189.0
				VERY HIGH: > OR = 190.0
NON HDL CHOLESTE	EROL: SERUM	73.96	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	ECTROPHOTOMETRY			ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 - 189. HIGH: 190.0 - 219.0
				VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL		18.59	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU		354.11	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HDL	ECTROPHOTOMETRY RATIO: SERIIM	2.31	RATIO	LOW RISK: 3.30 - 4.40
	ECTROPHOTOMETRY	2.01	KATIO	AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0
				HIGH RISK: > 11.0
LDL/HDL RATIO: SEF	RUM ectrophotometry	0.98	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0
Sy GREGOLATED, OFL				HIGH RISK: $> 6.0$
an a sub-taile that the				

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.64 <sup>L</sup>	RATIO	3.00 - 5.00

## INTERPRETATION:

1. Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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

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Dr. Vinay Chopra

Test Name	Value	Unit	Biological Reference interval
u	VER FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.32	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.14	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by calculated, spectrophotometry	0.18	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	16.4	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	1.1	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHY PROPANOL	62.34 /L	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	8.91	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.74	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.69	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	1.21	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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Test Name		Value	Unit	Biological Reference interva
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

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	ONEY FUNCTION T	EST (COMPLETE)	
UREA: SERUM		80.49 <sup>H</sup>	mg/dL	10.00 - 50.00
	MATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN	Л CTROPHOTOMETERY	2.89 <sup>H</sup>	mg/dL	0.40 - 1.40
BLOOD UREA NITRO	OGEN (BUN): SERUM	37.61 <sup>H</sup>	mg/dL	7.0 - 25.0
-	ectrophotometry DGEN (BUN)/CREATININE	13.01	RATIO	10.0 - 20.0
RATIO: SERUM	JOEN (DON)/ CREATININE	13.01	KATIO	10.0 - 20.0
	ECTROPHOTOMETRY			
UREA/CREATININE F by CALCULATED, SPE		27.85	RATIO	
URIC ACID: SERUM		6.96	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE			
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	9.37	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER		3.91	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE	DATE, SPECTROPHOTOMETRY		3	
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV		141.2	mmol/L	135.0 - 150.0
POTASSIUM: SERUM		4.57	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				
CHLORIDE: SERUM by ISE (ION SELECTIV		105.9	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	22.1		
(eGFR): SERUM				
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 RĂTIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver diseaso	tetracycline, glucocortico 0:1) WITH ELEVATED CREA (BUN rises disproportion superimposed on renal di 0:1) WITH DECREASED BU osis. ad starvation.	TININE LEVELS: ately more than creatinir sease.	e) (e.g. obstructive urop	pathy).	
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 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	tetracycline, glucocortico 0:1) WITH ELEVATED CREA (BUN rises disproportion superimposed on renal di 0:1) WITH DECREASED BU osis. Ind starvation. 2. creased urea synthesis. urea rather than creatinir monemias (urea is virtual of inappropiate antidiureti 10:1) WITH INCREASED CRE py (accelerates conversion eleases muscle creatinine who develop renal failure :	ids) <b>TININE LEVELS:</b> ately more than creatinin sease. N: N: he diffuses out of extrace ly absent in blood). c harmone) due to tubula <b>ATININE:</b> n of creatine to creatinine ).	llular fluid). Ir secretion of urea. e).		
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 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	tetracycline, glucocortico 0:1) WITH ELEVATED CREA (BUN rises disproportion superimposed on renal di 0:1) WITH DECREASED BU osis. Ind starvation. 2. creased urea synthesis. urea rather than creatinir monemias (urea is virtual of inappropiate antidiureti 10:1) WITH INCREASED CRE py (accelerates conversion eleases muscle creatinine who develop renal failure sis (acetoacetate causes f creased BUN/creatinine ra apy (interferes with creat	ids) <b>TININE LEVELS:</b> ately more than creatinin sease. N : N : N absent in blood). c harmone) due to tubulation <b>ATININE:</b> n of creatine to creatining ). alse increase in creatining atio).	llular fluid). Ir secretion of urea. e).		al ratio when dehydratic
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther	tetracycline, glucocortico 0:1) WITH ELEVATED CREA (BUN rises disproportion superimposed on renal di 0:1) WITH DECREASED BU osis. Ind starvation. 2. creased urea synthesis. urea rather than creatinir monemias (urea is virtual of inappropiate antidiureti 10:1) WITH INCREASED CRE py (accelerates conversion eleases muscle creatinine who develop renal failure sis (acetoacetate causes f creased BUN/creatinine rational sectors and sectors a	ids) TININE LEVELS: ately more than creatinin sease. N : M : M diffuses out of extrace ly absent in blood). c harmone) due to tubula ATININE: n of creatine to creatining alse increase in creatining atio). Inine measurement).	llular fluid). Ir secretion of urea. e). e with certain methodo		al ratio when dehydratic
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1	tetracycline, glucocortico 0:1) WITH ELEVATED CREA (BUN rises disproportion superimposed on renal di 0:1) WITH DECREASED BU osis. ad starvation. b. creased urea synthesis. urea rather than creatinir monemias (urea is virtual of inappropiate antidiureti 10:1) WITH INCREASED CRE py (accelerates conversion eleases muscle creatinine who develop renal failure sis (acetoacetate causes fi creased BUN/creatinine ra apy (interferes with creati JLAR FILTERATION RATE:	ids) TININE LEVELS: ately more than creatinin sease. N : M : M diffuses out of extrace by absent in blood). c harmone) due to tubula ATININE: n of creatine to creatining alse increase in creatining tion. GFR ( m	Ilular fluid). Ir secretion of urea. P). e with certain methodo //min/1.73m2 ) A >90	logies,resulting in norma SSOCIATED FINDINGS No proteinuria	al ratio when dehydratic
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL OKD STAGE	tetracycline, glucocortico <b>0:1) WITH ELEVATED CREA</b> (BUN rises disproportion, superimposed on renal di <b>10:1) WITH DECREASED BU</b> osis. ad starvation. b. creased urea synthesis. urea rather than creatinir monemias (urea is virtual of inappropiate antidiureti <b>10:1) WITH INCREASED CRE</b> py (accelerates conversion eleases muscle creatinine who develop renal failure times and the creatinine of sis (acetoacetate causes for creased BUN/creatinine ration apy (interferes with creatinine <b>ULAR FILTERATION RATE:</b> <b>DESCRIP</b> Normal kidne Kidney dam	ids) TININE LEVELS: ately more than creatinin sease. N: M: Mediffuses out of extrace by absent in blood). c harmone) due to tubula ATININE: n of creatine to creatinine to creatine to creatinine to). Minine measurement). TION GFR (minine age with	Ilular fluid). Ir secretion of urea. e). e with certain methodo //min/1.73m2 ) A >90 >90	logies,resulting in norma SSOCIATED FINDINGS No proteinuria Presence of Protein ,	al ratio when dehydratic
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0.77.57.68

G4 G5

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

Severe decrease in GFR

Kidney failure

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

15-29

<15









	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	biology) MD	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. RANJIT SINGH		
AGE/ GENDER	: 74 YRS/MALE	PATIENT ID	: 1600279
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012409030005
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 03/Sep/2024 08:16 AM
BARCODE NO.	:01516210	COLLECTION DATE	: 03/Sep/2024 09:31AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 03/Sep/2024 10:52AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAI	LA CANTT	
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

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

MBBS, MD (PATHOLOGY)







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Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINE R	OUTINE & MICRO	SCOPIC EXAMINAT	ION
PHYSICAL EXAMINA	TION			
QUANTITY RECIEVE	C	10	ml	
-	TANCE SPECTROPHOTOMETRY		NA/	
COLOUR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	AMBER YELLC	700	PALE YELLOW
TRANSPARANCY		CLEAR		CLEAR
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY	1.01		1.002 1.000
CHEMICAL EXAMINA	ATION			
REACTION		ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRY	1+		NEGATIVE (-ve)
	CTANCE SPECTROPHOTOMETRY			
SUGAR by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	2+		NEGATIVE (-ve)
рН		6.5		5.0 - 7.5
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
-	TANCE SPECTROPHOTOMETRY			
KETONE BODIES by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	INLUATIVE (-VE	=)	NEGATIVE (-VE)

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



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

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS		2-4	/HPF	0 - 5

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	0-2	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT



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	MD (Pathology	Dr. Vinay Chopra Dr. Yugan MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant		) (Pathology)	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	PROTE	IN/CREATININE RAT	IO: RANDOM UR	INE	
PROTEINS: RANDOM URINE			mg/dL	5 - 25	
		62.91 <sup>H</sup>	···· <b>j</b> · ··-	5-25	
by SPECTROPHOTOL by SPECTROPHOTOL CREATININE: RANDO by SPECTROPHOTON	<i>Metry</i> Om URINE	<b>62.91"</b> 75.95	mg/dL	20 - 320	
by SPECTROPHOTOI CREATININE: RAND by SPECTROPHOTON PROTEIN/CREATINII RANDOM URINE by SPECTROPHOTOI	METRY OM URINE METRY NE RATIO:				
by SPECTROPHOTO/ CREATININE: RANDO by SPECTROPHOTO/ PROTEIN/CREATINII RANDOM URINE by SPECTROPHOTO/ INTERPRETATION:	METRY OM URINE METRY NE RATIO:	75.95		20 - 320	
by SPECTROPHOTO/ CREATININE: RANDO by SPECTROPHOTO/ PROTEIN/CREATINII RANDOM URINE by SPECTROPHOTO/ INTERPRETATION:	METRY OM URINE METRY NE RATIO: METRY EIN/CREATININE RATIO < 0.20	75.95 <b>0.83<sup>H</sup></b>	mg/dL REMARKS NORMAL	20 - 320 < <b>0.20</b>	
by SPECTROPHOTO/ CREATININE: RANDO by SPECTROPHOTO/ PROTEIN/CREATINII RANDOM URINE by SPECTROPHOTO/ INTERPRETATION:	METRY OM URINE METRY NE RATIO: METRY EIN/CREATININE RATIO	75.95 <b>0.83<sup>H</sup></b>	mg/dL REMARKS	20 - 320 < <b>0.20</b>	

Urinary total proteins are nearly negligible in healthy adults. The Protein Creatinine ratio is a simple and convenient method to quantitate and monitor proteinuria in adults with chronic kidney disease. Patients with 2 or more positive results within a period of 1-2 weeks should be labeled as having persistent proteinuria and investigated further

\* \* \* End Of Report \* \* \*





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

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