

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		Pathology)
NAME	: Mr. HARJIT SINGH			
AGE/ GENDER	: 49 YRS/MALE		PATIENT ID	: 1621411
COLLECTED BY	:		REG. NO./LAB NO.	: 012409220038
REFERRED BY	:		REGISTRATION DATE	: 22/Sep/2024 09:36 AM
BARCODE NO.	:01517473		COLLECTION DATE	: 22/Sep/2024 09:42AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AN		REPORTING DATE	: 22/Sep/2024 09:58AM
Test Name		Value	Unit	Biological Reference interval
	SWA		LLNESS PANEL: 1.0	
	CC	OMPLETE BLC	OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RB	C) COUNT	4.57	Millions/cr	nm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUN	IE (PCV) UTOMATED HEMATOLOGY ANALYZER	40.2	%	40.0 - 54.0
MEAN CORPUSCULA	R VOLUME (MCV)	88	fL	80.0 - 100.0
	<i>utomated hematology analyzer</i> R HAEMOGLOBIN (MCH)	28.3	pg	27.0 - 34.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	2		
	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.2	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	ION WIDTH (RDW-CV)	13.4	%	11.00 - 16.00
-	utomated hematology analyzer ION WIDTH (RDW-SD)	44.1	fL	35.0 - 56.0
	UTOMATED HEMATOLOGY ANALYZER		11	33.0 - 30.0
MENTZERS INDEX		19.26	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	25.67	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
by CALCULATED				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE CO	OUNT (TLC) BY SF CUBE & MICROSCOPY	8500	/cmm	4000 - 11000
NUCLEATED RED BLC	OOD CELLS (nRBCS)	NIL		0.00 - 20.00
by AUTOMATED 6 PAR NUCLEATED RED BLC	RT HEMATOLOGY ANALYZER	NIL	%	< 10 %
by CALCULATED BY A	UTOMATED HEMATÓLOGY ANALYZER		70	~ 10 /0
DIFFERENTIAL LEUCO	<u> DCYTE COUNT (DLC)</u>			
NEUTROPHILS	BY SF CUBE & MICROSCOPY	61	%	50 - 70





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

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





Dr. Vinay Chopra



Dr. Yugam Chopra

MD (Pathology & Mic Chairman & Consulta			MD CEO & Consultant	(Pathology) Pathologist		
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	Test Name		Value	Unit	Biological Reference interval	٦
				%	-	
	LYMPHOCYTES by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	32	%	20 - 40	
	EOSINOPHILS		2	%	1 - 6	
	by FLOW CYTOMETRY MONOCYTES	BY SF CUBE & MICROSCOPY	5	%	2 - 12	
		BY SF CUBE & MICROSCOPY	5	70	2 - 12	
	BASOPHILS		0	%	0 - 1	
	by FLOW CYTOMETRY ABSOLUTE LEUKOCY	BY SF CUBE & MICROSCOPY				
			E10E	lamm	2000 - 7500	
	ABSOLUTE NEUTROP by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	5185	/cmm	2000 - 7500	
	ABSOLUTE LYMPHOC		2720	/cmm	800 - 4900	
	-	BY SF CUBE & MICROSCOPY	170	lamm	10 110	
	ABSOLUTE EOSINOPH by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	170	/cmm	40 - 440	
	ABSOLUTE MONOCYT		425	/cmm	80 - 880	
	by FLOW CYTOMETRY ABSOLUTE BASOPHIL	BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110	
		BY SF CUBE & MICROSCOPY	0	7 CITILIT	0-110	
	PLATELETS AND OTH	ER PLATELET PREDICTIVE MARKER	RS.			
	PLATELET COUNT (PL		256000	/cmm	150000 - 450000	
	by HYDRO DYNAMIC FO PLATELETCRIT (PCT)	OCUSING, ELECTRICAL IMPEDENCE	0.31	%	0.10 - 0.36	
		OCUSING, ELECTRICAL IMPEDENCE	0.51	70	0.10-0.30	
	MEAN PLATELET VOL by hydro dynamic fo	UME (MPV) DCUSING, ELECTRICAL IMPEDENCE	12 ^H	fL	6.50 - 12.0	
		L COUNT (P-LCC)	103000 ^H	/cmm	30000 - 90000	
	PLATELET LARGE CEL		40.4	%	11.0 - 45.0	
					15.0.47.0	
	PLATELET DISTRIBUT	ION WIDTH (PDW) DCUSING, ELECTRICAL IMPEDENCE	16.5	%	15.0 - 17.0	
	•	CTED ON EDTA WHOLE BLOOD				



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHR	OCYTE SEDIMENTAT	ON RATE (ESR)	
by RED CELL AGGREG INTERPRETATION: 1. ESR is a non-specifi 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 - reactive 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 practitione cted by other conditions besides inf be used to monitor disease activity ematosus W ESR n with conditions that inhibit the no- ificantly high white blood cell cour e cell anaemia) also lower the ESR. e protein (C-RP) are both markers o s not change as rapidly as does CRF by as many other factors as is ESR , ed, it is typically a result of two typ- ve a higher ESR, and menstruation a	er exactly where the inflar flammation. For this reas and response to therapy ormal sedimentation of r nt (leucocytosis) , and sor finflammation. P, either at the start of ini making it a better marker es of proteins, globulins of and pregnancy can cause	nmation is in the b on, the ESR is typic in both of the abc ed blood cells, suc ne protein abnorn flammation or as it of inflammation. or fibrinogen. temporary elevatio	cally used in conjunction with other test such ove diseases as well as some others, such as h as a high red blood cell count nalities. Some changes in red cell shape (such t resolves.





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Test Name		Value Unit	Biological Reference interval
	CLINICA	AL CHEMISTRY/BIOCHEMIS	STRY
		GLUCOSE FASTING (F)	
-	F): PLASMA SE - PEROXIDASE (GOD-POD)	101.53 ^H mg/o	dL NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
1. A fasting plasma g 2. A fasting plasma g test (after consumpti 3. A fasting plasma g	ion of 75 gms of glucose) is recomme	sidered normal. dl is considered as glucose intolerar ended for all such patients. ighly suggestive of diabetic state. A	nt or prediabetic. A fasting and post-prandial blood repeat post-prandial is strongly recommended for all nfirmatory for diabetic state.





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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP		201.52 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDA	NSE (ENZYMATIC)	285.74 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SE by SELECTIVE INHIBITION	RUM	43.51	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTO	DMETRY	100.86	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: SERUE by CALCULATED, SPECTROPHOTO		158.01 ^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: SERUM by CALCULATED, SPECTROPHOTO	OMETRY	57.15 ^H	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTO		688.78	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SER by CALCULATED, SPECTROPHOTO	UM	4.63 ^H	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, SPECTROPHOTO	DMETRY	2.32	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
	~	Ghe	spra	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		6.57 ^H	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.

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

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Dr. Vinay Chopra

: Mr. HARIT SINGH

Test Name	Value	Unit	Biological Reference interval
L	IVER FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	1.01	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.25	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.76	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	21.31	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	28.54	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.75	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METH PROPANOL	99.92 YL	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	23.61	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	5.86 ^L	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.72	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.14 ^L	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.74	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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NAME





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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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	KID	NEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		22.05	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN		0.94	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC BLOOD UREA NITRC		10.3	mg/dL	7.0 - 25.0
by CALCULATED, SPE		10.5	Thy/uL	7.0 - 23.0
	GEN (BUN)/CREATININE	10.96	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE		00.44	DATIO	
UREA/CREATININE F by CALCULATED, SPE		23.46	RATIO	
URIC ACID: SERUM		5.56	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE	0.00		
CALCIUM: SERUM		9.37	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE		2.00	ree er (ell	2.20 4.70
PHOSPHOROUS: SEF	OATE, SPECTROPHOTOMETRY	2.88	mg/dL	2.30 - 4.70
ELECTROLYTES				
Sodium: Serum		141.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	/E ELECTRODE)	141.5	TITION L	133.0 - 130.0
POTASSIUM: SERUM	1	4.21	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	/E ELECTRODE)	10/ 10		
CHLORIDE: SERUM by ISE (ION SELECTIV		106.13	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	99.4		
(eGFR): SERUM		77.4		
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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7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr	ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed c 0:1) WITH DECR osis.	ostomy) creatinine production) ucocorticoids) ATED CREATININE LEVEI proportionately more th on renal disease.	S:) (e.g. obstructive u		s syndrome, high	p
A. Urine reabsorption Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Acute tubular necr Severe liver disease Other causes of de Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome of SIADH (synd	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. b creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr apy (interferes ULAR FILTERATIO	ostomy) creatinine production) ucocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In thesis. In creatinine diffuses of a is virtually absent in the antidiuretic harmone) of EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION	S: han creatinine ut of extracell blood). due to tubular to creatinine) in creatinine ement).	ular fluid). secretion of urea. with certain metho min/1.73m2)	uropathy). odologies,resulting ASSOCIATED FINE	in normal ratio v	
Urine reabsorption Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEMDATED GLOMERL CKD STAGE G1	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. b creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr apy (interferes DLAR FILTERATIO	ostomy) creatinine production) ucocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In thesis. In creatinine diffuses of a is virtually absent in the antidiuretic harmone) of EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function	S: han creatinine ut of extracell blood). due to tubular to creatinine) in creatinine ement).	ular fluid). secretion of urea. with certain metho <u>min/1.73m2)</u> >90	pdologies,resulting	in normal ratio v DINGS	
. Urine reabsorption . Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia DECREASED RATIO (< . Acute tubular necr . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome of . Pregnancy. DECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin ther STIMATED GLOMERL CKD STAGE	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes DIAR FILTERATIO	ostomy) creatinine production) ucocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In thesis. In creatinine diffuses of a si virtually absent in the antidiuretic harmone) of EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with	S: han creatinine ut of extracell blood). due to tubular to creatinine) in creatinine ement).	ular fluid). secretion of urea. with certain metho min/1.73m2)	uropathy). odologies,resulting <u>ASSOCIATED FINE</u> No proteinur Presence of Prot	in normal ratio v DINGS Tia tein ,	
. Urine reabsorption . Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia DECREASED RATIO (< . Acute tubular necr . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome of . Pregnancy. DECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin ther <u>STIMATED GLOMERU</u> <u>G1</u> <u>G2</u>	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes DIAR FILTERATIO	ostomy) creatinine production) ucocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In thesis. In creatinine diffuses of a is virtually absent in the antidiuretic harmone) of EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	S: han creatinine ut of extracell blood). due to tubular to creatinine) in creatinine ement). GFR (mL/	ular fluid). secretion of urea. with certain metho <u>min/1.73m2)</u> >90 >90	pdologies,resulting	in normal ratio v DINGS Tia tein ,	
. Urine reabsorption . Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia DECREASED RATIO (< . Acute tubular necr . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome of . Pregnancy. DECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes but filter filter filter in an an an an an an an an an an creased BUN/cr apy (interferes) in an an creased BUN/cr apy (interferes) in an	ostomy) creatinine production) ucocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In thesis. In creatinine diffuses of a si virtually absent in the antidiuretic harmone) of EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with	S: han creatinine ut of extracell blood). due to tubular to creatinine) e in creatinine ement). GFR (mL/	ular fluid). secretion of urea. with certain metho <u>min/1.73m2)</u> >90	uropathy). odologies,resulting <u>ASSOCIATED FINE</u> No proteinur Presence of Prot	in normal ratio v DINGS Tia tein ,	

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 & Micro Chairman & Consultant	biology) MI	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. HARJIT SINGH		
AGE/ GENDER	: 49 YRS/MALE	PATIENT ID	: 1621411
COLLECTED BY	:	REG. NO./LAB NO.	: 012409220038
REFERRED BY	:	REGISTRATION DATE	: 22/Sep/2024 09:36 AM
BARCODE NO.	:01517473	COLLECTION DATE	: 22/Sep/2024 09:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Sep/2024 10:38AM
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



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MBBS, MD (PATHOLOGY)

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	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(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 RECIEVED		10	ml	
	TANCE SPECTROPHOTOMETRY			
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELLO	W	PALE YELLOW
TRANSPARANCY	TANGE SPECIFICITION CIMETRI	CLEAR		CLEAR
-	TANCE SPECTROPHOTOMETRY	/		
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		ACIDIC		
	TANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
•	TANCE SPECTROPHOTOMETRY	5.0		
pH by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY	Negativo		
	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Negative		
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve	2)	NEGATIVE (-ve)
	TANCE 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 CEC

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 by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	0-2	/HPF	ABSENT	
CRYSTALS		NEGATIVE (-ve)		NEGATIVE (-ve)	

CRYSTALS 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