

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Microbic Chairman & Consultant Pa		Dr. Yugam C MD (Pa EO & Consultant Pa	ithology)
NAME : Mr. NEERA	JKALRA			
AGE/ GENDER : 60 YRS/MAI	LE	PATIENT	' ID	: 1708219
COLLECTED BY : SURJESH		REG. NO.	/LAB NO.	: 012412250019
REFERRED BY		REGISTR	ATION DATE	: 25/Dec/2024 10:03 AM
BARCODE NO. : 01522968		COLLECT	ION DATE	: 25/Dec/2024 10:11AM
CLIENT CODE. : KOS DIAGN			ING DATE	: 25/Dec/2024 10:49AM
CLIENT ADDRESS : 6349/1, NIC	CHOLSON ROAD, AMBALA	CANTT		
Test Name	Va	due	Unit	Biological Reference interval
	SWASTHV	A WELLNESS	DANEL · 1 O	
		TE BLOOD CO		
RED BLOOD CELLS (RBCS) COU		TE BLOOD CO	UNI (CBC)	
HAEMOGLOBIN (HB)		3.8	gm/dL	12.0 - 17.0
by CALORIMETRIC			Ũ	
RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECT		.87	Millions/cm	nm 3.50 - 5.00
PACKED CELL VOLUME (PCV)	4	4	%	40.0 - 54.0
by CALCULATED BY AUTOMATED HEM MEAN CORPUSCULAR VOLUME (1		0.4	fL	80.0 - 100.0
by CALCULATED BY AUTOMATED HEM MEAN CORPUSCULAR HAEMOGI		8.3	nd	27.0 - 34.0
by CALCULATED BY AUTOMATED HEM		0.3	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLC by calculated by automated hem	BIN CONC. (MCHC) 3	1.3 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH	H (RDW-CV) 1	4.7	%	11.00 - 16.00
by CALCULATED BY AUTOMATED HEM RED CELL DISTRIBUTION WIDTH		9.7	fL	35.0 - 56.0
by CALCULATED BY AUTOMATED HEM	ATOLOGY ANALYZER			
MENTZERS INDEX by CALCULATED	1	8.56	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
GREEN & KING INDEX	9	7.25	RATIO	>13.0 BETA THALASSEMIA TRAIT:<=
by CALCULATED	۵.	1.20	MATIO	65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)				00.0
TOTAL LEUCOCYTE COUNT (TLC		680	/cmm	4000 - 11000
by FLOW CYTOMETRY BY SF CUBE & M NUCLEATED RED BLOOD CELLS		IL		0.00 - 20.00
by AUTOMATED 6 PART HEMATOLOGY	ANALYZER			
NUCLEATED RED BLOOD CELLS by calculated by automated hem		IL	%	< 10 %
by CALCULATED BY AUTOMATED HEM				





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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. NEERAJ KALRA AGE/ GENDER : 60 YRS/MALE **PATIENT ID** :1708219 **COLLECTED BY** : SURJESH REG. NO./LAB NO. :012412250019 **REFERRED BY REGISTRATION DATE** : 25/Dec/2024 10:03 AM : **BARCODE NO.** :01522968 **COLLECTION DATE** : 25/Dec/2024 10:11AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 25/Dec/2024 10:49AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 52 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 4 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 3474 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2538 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 267 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 401 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 237000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.27 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 93000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 39.4 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.6%

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



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Test Name	Val	lue Unit	Biological Reference interval



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LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
mmune disease, but 2. An ESR can be affe as C-reactive proteir	ected by other conditions besid		eason, the ESR is typi	cally used in conjunction with other test such
An ESR can be affe s C-reactive proteir . This test may also ystemic lupus eryth ONDITION WITH LO low ESR can be see polycythaemia), sig s sickle cells in sick IOTE: . ESR and C - reactive	be used to monitor disease ac ematosus W ESR en with conditions that inhibit t	tivity and response to ther the normal sedimentation count (leucocytosis), and ESR. ers of inflammation.	apy in both of the abo of red blood cells, suc some protein abnorr	cally used in conjunction with other test such ove diseases as well as some others, such as th as a high red blood cell count nalities. Some changes in red cell shape (such t resolves.





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	CLINI	CAL CHEMISTR GLUCOSE FAS		'nY
GLUCOSE FASTING by GLUCOSE OXIDAS	e (F): PLASMA e - peroxidase (god-pod)	86.43	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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. 3. 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 PROFII	F · BASIC	
CHOLESTEROL TO	TAL SERIM	183.22	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL O		103.22	ing/ uL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	167.86 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTERO	L (DIRECT): SERUM Jon	59.41	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		90.24	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLEST by Calculated, spe	TEROL: SERUM ECTROPHOTOMETRY	123.81	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER(33.57	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF		534.3	mg/dL	350.00 - 700.00
CHOLESTEROL/HI by CALCULATED, SPE	DL RATIO: SERUM ECTROPHOTOMETRY	3.08	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.52	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H	IDL RATIO: SERUM	2.83 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

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

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

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

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





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Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT by DIAZO MODIFIED, S BILIRUBIN INDIRE by CALCULATED, SPE SGOT/AST: SERUM by IFCC, WITHOUT PY	SERUM PECTROPHOTOMETRY (CONJUGATED): SERUM SPECTROPHOTOMETRY CT (UNCONJUGATED): SERUM SCTROPHOTOMETRY RIDOXAL PHOSPHATE	0.37 0.12 0.25 27.5	FEST (COMPLETE) mg/dL mg/dL mg/dL U/L	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40 0.10 - 1.00 7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	36.3	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE	ERUM	0.76	RATIO	0.00 - 46.00
ALKALINE PHOSPH by para nitrophen propanol	IATASE: SERUM yl phosphatase by amino methyl	77.56	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	42.45	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.88	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.73	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	1	2.15 ^L	gm/dL	2.30 - 3.50
A : G RATIO: SERUN	M	2.2 ^H	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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 int

DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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Test Name		Value	Unit	Biological Reference interval
	KIDNI	EY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		24.6	mg/dL	10.00 - 50.00
CREATININE: SER	IATE DEHYDROGENASE (GLDH)	1.1	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC	TROPHOTOMETERY			
	ROGEN (BUN): SERUM	11.5	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	10.45	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININ		22.36	RATIO	
by CALCULATED, SPE	ECTROPHOTOMETRY		()1	0.00 7.70
URIC ACID: SERUM		4.94	mg/dL	3.60 - 7.70
CALCIUM: SERUM		10.47	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		2.72	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBL	DATE, SPECTROPHOTOMETRY	2.12	ilig/ uL	2.00 - 4.70
<u>ELECTROLYTES</u>				
SODIUM: SERUM by ISE (ION SELECTIV	/F ELECTRODE)	139.6	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4.47	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		1047	1/1	00.0 110.0
CHLORIDE: SERUN by ISE (ION SELECTIV		104.7	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	76.9		
(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.

3. GI haemorrhage.



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Test Name		Value	Uni	Biological Ref	èrence interval
 Acute tubular neci 		:			
 Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome disease) Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido should produce an ir Cephalosporin the ESTIMATED GLOMERI G1 	nd starvation. e. ecreased urea synthesis. (urea rather than creatinine) monemias (urea is virtually of inappropiate antidiuretic 10:1) WITH INCREASED CREA apy (accelerates conversion releases muscle creatinine). who develop renal failure. bis (acetoacetate causes fa icreased BUN/creatinine rat rapy (interferes with creatin JLAR FILTERATION RATE: DESCRIPT Normal kidney	e diffuses out of extracell absent in blood). harmone) due to tubular TININE: of creatine to creatinine) lse increase in creatinine tio). ine measurement). ION GFR (mL/ function	secretion of urea. with certain meth min/1.73m2) >90	odologies,resulting in normal rati	io when dehydrat
 Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome disease) Pregnancy. PCCREASED RATIO (Rhabdomyolysis (r Muscular patients MAPPROPIATE RATIC Diabetic ketoacido Should produce an ir Cephalosporin the ESTIMATED GLOMERI CKD STAGE 	nd starvation. e. ecreased urea synthesis. (urea rather than creatinine imonemias (urea is virtually of inappropiate antidiuretic 10:1) WITH INCREASED CREA apy (accelerates conversion releases muscle creatinine). who develop renal failure. bis (acetoacetate causes fa icreased BUN/creatinine rat rapy (interferes with creatin JLAR FILTERATION RATE: DESCRIPT Normal kidney Kidney dama	e diffuses out of extracell vabsent in blood). harmone) due to tubular (TININE: of creatine to creatinine) lse increase in creatinine tio). ine measurement). ION GFR (mL/ function GFR (mL/	secretion of urea.	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	io when dehydrat
 Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome disease) Pregnancy. PCREASED RATIO (Rhabdomyolysis (r Muscular patients Mapproplate RATIO Diabetic ketoacido Should produce an ir Cephalosporin the CKD STAGE G1 	nd starvation. e. ecreased urea synthesis. (urea rather than creatinine) monemias (urea is virtually of inappropiate antidiuretic 10:1) WITH INCREASED CREA apy (accelerates conversion releases muscle creatinine). who develop renal failure. bis (acetoacetate causes fa icreased BUN/creatinine rat rapy (interferes with creatin JLAR FILTERATION RATE: DESCRIPT Normal kidney	e diffuses out of extracell vabsent in blood). harmone) due to tubular (TININE: of creatine to creatinine) lse increase in creatinine tio). line measurement). ION GFR (mL/ function ge with gh GFR	secretion of urea. with certain meth min/1.73m2) >90	ASSOCIATED FINDINGS No proteinuria	io when dehydrat
 Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an ir Cephalosporin the ESTIMATED GLOMERI G1 G2 G3a G3b 	nd starvation. e. ecreased urea synthesis. (urea rather than creatinine imonemias (urea is virtually of inappropiate antidiuretic 10:1) WITH INCREASED CREA apy (accelerates conversion releases muscle creatinine). who develop renal failure. bis (acetoacetate causes fa acreased BUN/creatinine rat rapy (interferes with creatin <u>JLAR FILTERATION RATE:</u> <u>DESCRIPT</u> <u>Normal kidney</u> <u>Kidney dama</u> <u>normal or his</u> <u>Moderate decre</u>	e diffuses out of extracell absent in blood). harmone) due to tubular (TININE: of creatine to creatinine) lse increase in creatinine io). ine measurement). ION GFR (mL/ function ge with gh GFR ase in GFR 3	secretion of urea. with certain meth min/1.73m2) >90 >90 0 -89 30-59	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	io when dehydrat
2. Low protein diet a 3. Severe liver diseas 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 ir 2. Cephalosporin the ESTIMATED GLOMERI G1 G2 G3a	nd starvation. e. ecreased urea synthesis. (urea rather than creatinine imonemias (urea is virtually of inappropiate antidiuretic 10:1) WITH INCREASED CREA apy (accelerates conversion releases muscle creatinine). who develop renal failure. bis (acetoacetate causes fail acreased BUN/creatinine ratination <u>JLAR FILTERATION RATE: DESCRIPT</u> Normal kidney Kidney dama normal or his Mild decreased	e diffuses out of extracell absent in blood). harmone) due to tubular TININE: of creatine to creatinine) lse increase in creatinine tio). ine measurement). ION GFR (mL/ function ge with gh GFR ase in GFR 6 ase in GFR 6 ase in GFR 6	secretion of urea. with certain meth min/1.73m2) >90 >90 0 -89	ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	io when dehydrat





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









	Dr. Vinay Chopra MD (Pathology & Microbiology Chairman & Consultant Pathol		(Pathology)
NAME	: Mr. NEERAJ KALRA		
AGE/ GENDER	: 60 YRS/MALE	PATIENT ID	: 1708219
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012412250019
REFERRED BY	:	REGISTRATION DATE	: 25/Dec/2024 10:03 AM
BARCODE NO.	: 01522968	COLLECTION DATE	: 25/Dec/2024 10:11AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 25/Dec/2024 12:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	JTT	
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)







		MD (Pathology & N	Dr. Vinay Chopra D (Pathology & Microbiology) hairman & Consultant Pathologist D (Pathology) CEO & Consultant Pathologist		(Pathology)
NAME	: Mr. NEER	AJ KALRA			
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CLIENT CODE.	: KOS DIAGN	NOSTIC LAB		REPORTING DATE	: 25/Dec/2024 11:50AM
CLIENT ADDRESS		ICHOLSON ROAD, A	MBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
			TUMOU	R MARKER	
		PROSTAT		ANTIGEN (PSA) - TO	TAL
2. False negative / po 3. PSA levels may app 4. Immediate PSA tes needle biopsy of pros 5. PSA values regardle correlated with clinic 6. Sites of Non-prosta 7. Physiological decre sexual activity 8. The concentration of in assay methods, cal RECOMMENDED TEST 1. Preoperatively (Bas 2. 2-4 Days Post oper 3. Prior to discharge for the second second second second second second second second second second second second second second second second second second second second se	ESCENCE IMMU aded test for d isitive results a ear consisten- ting following tate is not rec ess of levels sh al findings an atic PSA produ- ease in PSA levels of PSA in a giv ibration, and ING INTERVAL seline) atively from hospital	NOASSAY) letection of prostate are observed in pati- tly elevated / depres digital rectal exami commended as they f hould not be interpre d results of other in uction are breast epi vel by 18% has been en specimen, detern reagent specificity. S	ents receiving n ssed due to the nation, ejaculat falsely elevate le eted as absolute vestigations thelium, salivar observed in hos nined with assay	nouse monoclonal antibod interference by heterophili ion, prostatic massage, ind evels e evidence of the presence y glands, peri-urethral & a spitalized / sedentary patie	0.0 - 4.0 ion (DRE) in males above 50 years of age. lies for diagnosis or therapy ic antibodies & nonspecific protein binding dwelling catheterization, ultrasonography and or absence of disease. All values should be anal glands, cells of male urethra & breast milk ents either due to supine position or suspended urers, may not be comparable due to differences
4. Monthly Follow Up	POST SURGER			FREQUENCY OF TESTIN	G
	1st Year			Every 3 Months	
	2 nd Year			Every 4 Months	
	rd Year Onwai	rds		Every 6 Months	
CLINICAL USE: 1. An aid in the early and in those with two	or more affect	cted first degree rela	tives.	nction with Digital rectal ex	amination in males more than 50 years of age

2. Followup and management of Prostate cancer patients.

3. Detect metastatic or persistent disease in patients following surgical or medical treatment of Prostate cancer

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INCREASED LEVEL:

1. Prostate cancer

2. Benign Prostatic Hyperplasia

3. Prostatitis

4. Genitourinary infections

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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.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	NTT	
Test Name	Value	Unit	Biological Reference interval



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







		r Chopra ogy & Microbiology) Consultant Pathologist		
NAME	: Mr. NEERAJ KALRA			
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CLIENT ADDRESS	. 0349/1, MCHOLSON KC	JAD, AMDALA CANT I		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINH	ROUTINE & MICRO		ATION
PHYSICAL EXAMI				
QUANTITY RECIEV		10	ml	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR	Y PALE YELLO	147	PALE YELLOW
	TANCE SPECTROPHOTOMETR		vv	
TRANSPARANCY	TANCE SPECTROPHOTOMETR	CLEAR		CLEAR
SPECIFIC GRAVITY		>=1.030		1.002 - 1.030
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR	Y		
REACTION	MATION	ACIDIC		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR	Y		
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR	Negative Y		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETR	<=5.0		5.0 - 7.5
,	TANCE SPECTROPHOTOMETR			
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR	Negative Y		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETR	Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR			NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR			
BLOOD by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR	Negative Y		NEGATIVE (-ve)
ASCORBIC ACID		NEGATIVE (-	ve)	NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETR AMINATION	Y		
RED BLOOD CELLS		NEGATIVE (-	ve) /HPF	0 - 3
			,	





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
by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		3-4	/HPF	0 - 5

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	5-4	/ III F	0-5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/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 ***



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

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