

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		Pathology)
NAME	: Mr. KIRAN PAL			
AGE/ GENDER	: 45 YRS/MALE		PATIENT ID	: 1649941
COLLECTED BY	:		REG. NO./LAB NO.	: 012410220004
REFERRED BY	:		REGISTRATION DATE	: 22/Oct/2024 07:25 AM
BARCODE NO.	: 01519330		COLLECTION DATE	: 22/Oct/2024 07:30AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Oct/2024 09:02AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	SALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.0	
	CON		OOD COUNT (CBC)	
RED BLOOD CELLS (RE	CS) COUNT AND INDICES		(,	
HAEMOGLOBIN (HB)		13.7	gm/dL	12.0 - 17.0
RED BLOOD CELL (RBC) COUNT		4.63	Millions/cm	am 3.50 - 5.00
PACKED CELL VOLUME	CUSING, ELECTRICAL IMPEDENCE E (PCV)	42.5	%	40.0 - 54.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER				
		91.8	fL	80.0 - 100.0
MEAN CORPUSCULAR	HAEMOGLOBIN (MCH) TOMATED HEMATOLOGY ANALYZER	29.5	pg	27.0 - 34.0
	HEMOGLOBIN CONC. (MCHC)	32.2	g/dL	32.0 - 36.0
RED CELL DISTRIBUTIO		14	%	11.00 - 16.00
RED CELL DISTRIBUTIO		47.8	fL	35.0 - 56.0
MENTZERS INDEX	TOMATED HEMATOLOGY ANALYZER	19.83	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED GREEN & KING INDEX by CALCULATED		27.67	RATIO	IRON DEFICIENCY ANEMIA: >13.0 BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	(WBCS)			
TOTAL LEUCOCYTE CO	UNT (TLC) By SF CUBE & MICROSCOPY	3870 ^L	/cmm	4000 - 11000
NUCLEATED RED BLOO		NIL		0.00 - 20.00
NUCLEATED RED BLOO by CALCULATED BY AU	DD CELLS (nRBCS) % <i>TOMATED HEMATOLOGY ANALYZER</i>	NIL	%	< 10 %
DIFFERENTIAL LEUCO	<u>STIE COUNT (DLC)</u>	40 ^L	%	50 - 70
	BY SF CUBE & MICROSCOPY	40-	70	30 - 70



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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. KIRAN PAL **AGE/ GENDER** : 45 YRS/MALE **PATIENT ID** :1649941 **COLLECTED BY** :012410220004 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 22/Oct/2024 07:25 AM **BARCODE NO.** :01519330 **COLLECTION DATE** : 22/Oct/2024 07:30AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 22/Oct/2024 09:02AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 45^H % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 10^H % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % 0 BASOPHILS 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT **ABSOLUTE NEUTROPHIL COUNT** 2000 - 7500 1548^L /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1742 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 387 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 194 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 0 - 110 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 300000 150000 - 450000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) % 0.29 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 10 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 70000 /cmm 30000 - 90000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 23.2 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 16 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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Test Name		Value	Unit	Biological Reference interval
	ERYTHR	OCYTE SEDIMENT	ATION RATE (ESR)	
by RED CELL AGGREG INTERPRETATION: 1. ESR is a non-specifimmune 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), sigras sickle cells in sickl NOTE: 1. ESR and C - reactive 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 practitioner cted by other conditions besides inf be used to monitor disease activity ematosus W ESR 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 s not change as rapidly as does CRP by as many other factors as is ESR, r ed, it is typically a result of two type we a higher ESR, and menstruation a	r exactly where the in flammation. For this re- and response to thera ormal sedimentation on the (leucocytosis), and finflammation. P, either at the start of making it a better mar es of proteins, globuli and pregnancy can cau	flammation is in the bo eason, the ESR is typica apy in both of the abov of red blood cells, such some protein abnorma inflammation or as it ker of inflammation. ns or fibrinogen. ise temporary elevation	allý used in conjunction with other test such ve diseases as well as some others, such as a as a high red blood cell count alities. Some changes in red cell shape (such resolves.



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Test Name		Value	Unit	Biological Reference interval
	CLIN	NICAL CHEMIST	XY/BIOCHEMISTR	Y
		GLUCOSE F	ASTING (F)	
	F): PLASMA	90.01	mg/dL	NORMAL: < 100.0

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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NAME : Mr. KIRAN : AGE/ GENDER : 45 YRS/MAI COLLECTED BY : REFERRED BY : BARCODE NO. : 01519330 CLIENT CODE. : KOS DIAGNO CLIENT CODE. : 6349/1, NIC Test Name : CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (HDL CHOLESTEROL (DIRECT): SERUI by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	E DSTIC LAB CHOLSON ROAD, AMBALA CANT Value	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE TT Unit ROFILE : BASIC mg/dL	: 1649941 : 012410220004 : 22/Oct/2024 07:25 AM : 22/Oct/2024 07:30AM : 22/Oct/2024 10:41AM Biological Reference interval OPTIMAL: < 200.0
BARCODE NO. : 01519330 CLIENT CODE. : KOS DIAGNO CLIENT ADDRESS : 6349/1, NIO Test Name CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (HDL CHOLESTEROL (DIRECT): SERUN by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET NON HDL CHOLESTEROL: SERUM	CHOLSON ROAD, AMBALA CANT Value LIPID P 177.76	COLLECTION DATE REPORTING DATE	: 22/Oct/2024 07:30AM : 22/Oct/2024 10:41AM Biological Reference interval
CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (HDL CHOLESTEROL (DIRECT): SERUN by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	LIPID P 177.76	ROFILE : BASIC	
by CHOLESTEROL OXIDASE PAP TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (HDL CHOLESTEROL (DIRECT): SERUE by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	177.76		OPTIMAL: < 200.0
by CHOLESTEROL OXIDASE PAP TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (HDL CHOLESTEROL (DIRECT): SERUE by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	177.76		OPTIMAL: < 200.0
by GLYCEROL PHOSPHATE OXIDASE (HDL CHOLESTEROL (DIRECT): SERUE by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	210 20H		BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
by SELECTIVE INHIBITION LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET	ENZYMATIC)	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
by CALCULATED, SPECTROPHOTOMET	M 48.56	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
	65.52	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
	129.2 TRY	mg/dL	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 CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOME	63.68 ^H	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMET	673.9	mg/dL	350.00 - 700.00
by CALCOLATED, SPECTROPHOTOMET CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMET	3.66	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, SPECTROPHOTOMET	1.35 TRY	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0



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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM ECTROPHOTOMETRY	6.56 ^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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Test Name		Value	Unit	Biological Reference interval	
	u	VER FUNCTION 1	TEST (COMPLETE)		
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY		0.57	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		0.43	mg/dL	0.10 - 1.00	
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	24.85	U/L	7.00 - 45.00	
SGPT/ALT: SERUM		35.44	U/L	0.00 - 49.00	

LI	VER FUNCTION T	EST (COMPLETE)		
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.57	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	0.43	mg/dL	0.10 - 1.00	
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	24.85	U/L	7.00 - 45.00	
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	35.44	U/L	0.00 - 49.00	
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.7	RATIO	0.00 - 46.00	
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methy propanol	76.87 /L	U/L	40.0 - 130.0	
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	51.59	U/L	0.00 - 55.0	
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.96	gm/dL	6.20 - 8.00	
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.17	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	1.49	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



am

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HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

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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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

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	ки	ONEY FUNCTION TES	ST (COMPLETE)	
UREA: SERUM		18.99	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)		, in the second s	
CREATININE: SERUN by ENZYMATIC, SPEC		1.05	mg/dL	0.40 - 1.40
	DGEN (BUN): SERUM	8.87	mg/dL	7.0 - 25.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
BLOOD UREA NITRO RATIO: SERUM	DGEN (BUN)/CREATININE	8.45 ^L	RATIO	10.0 - 20.0
	ECTROPHOTOMETRY			
UREA/CREATININE F	RATIO: SERUM	18.09	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	ECTROPHOTOMETRY	7.07	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE	1.07	Thy/uL	3.00 - 1.10
CALCIUM: SERUM		9.51	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SEF		2.92	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	2.72	ing/ dE	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		140.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERUM		3.99	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		3.77	THITION/L	5.50 - 5.00
CHLORIDE: SERUM		105.38	mmol/L	90.0 - 110.0
by ISE (ION SELECTIN				
	RULAR FILTERATION RATE	00.0		
(eGFR): SERUM	RULAR FILTERATION RATE	89.2		
by CALCULATED				

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



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		
JAME	: Mr. KIRAN PAL				
AGE/ GENDER	: 45 YRS/MALE	P	TIENT ID	: 1649941	
COLLECTED BY	:	R	EG. NO./LAB NO.	: 012410220004	
REFERRED BY		R	EGISTRATION DATE	: 22/Oct/2024 07:25 AM	
BARCODE NO.	: 01519330		DLLECTION DATE	: 22/Oct/2024 07:30AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE		
			LPURTING DATE	: 22/Oct/2024 10:41AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
7. Urine reabsorptior 8. Reduced muscle n 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia	exia, high fever). n (e.g. ureter colostomy) nass (subnormal creatinine pr tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionate	I INE LEVELS: Iy more than creatinine		osis, Cushing's syndrome, high protein diet, thy).	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular nect 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	n (e.g. ureter colostomy) nass (subnormal creatinine pr tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionate superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine comonemias (urea is virtually a of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATI apy (accelerates conversion of releases muscle creatinine). who develop renal failure.	JINE LEVELS: ly more than creatinine ise. diffuses out of extracell ibsent in blood). armone) due to tubular) (e.g. obstructive uropa ular fluid). secretion of urea.		

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS	
G1	Normal kidney function	>90	No proteinuria	
G2	Kidney damage with normal or high GFR	>90	Presence of Protein , Albumin or cast in urine	
G3a	Mild decrease in GFR	60 -89		
G3b	Moderate decrease in GFR	30-59		
G4	Severe decrease in GFR	15-29		
G5	Kidney failure	<15		



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Test Name	Val	ue 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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CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, A	AD, AMBALA CANTT				
Test Name			Value	Unit	Biological Reference interval		
	CLINICAL PATHOLOGY						
		URINE RC	DUTINE & MICRO	SCOPIC EXAMINAT	ION		
PHYSICAL EXAMINA	TION						
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			10	ml			
		HOTOMETRY					
		IOTOMETRY	PALE YELLOW		PALE YELLOW		
TRANSPARANCY	TANCE SPECTROPP	HUTUMETRY	CLEAR		CLEAR		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		HOTOMETRY	0127.111		0.22		
SPECIFIC GRAVITY			1.02		1.002 - 1.030		
by DIP STICK/REFLEC		HOTOMETRY					
REACTION			ACIDIC				
by DIP STICK/REFLEC	TANCE SPECTROPH	HOTOMETRY	ACIDIC				
PROTEIN			Negative		NEGATIVE (-ve)		
by DIP STICK/REFLEC SUGAR	TANCE SPECTROPH	HOTOMETRY	Negativo				
by DIP STICK/REFLEC	TANCE SPECTROPH	HOTOMETRY	Negative		NEGATIVE (-ve)		
рН			<=5.0		5.0 - 7.5		
by DIP STICK/REFLEC	TANCE SPECTROPH	HOTOMETRY	Negotive				
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPH	HOTOMETRY	Negative		NEGATIVE (-ve)		
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		Negative		NEGATIVE (-ve)			
		HOTOMETRY.	Nie wys a l		0.2 1.0		
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPH	HOTOMETRY	Normal	EU/dL	0.2 - 1.0		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES			Negative		NEGATIVE (-ve)		
by DIP STICK/REFLEC	TANCE SPECTROPH	HOTOMETRY					
BLOOD by DIP STICK/REFLEC	TANCE SPECTROP	HOTOMETRY	Negative		NEGATIVE (-ve)		
ASCORBIC ACID			NEGATIVE (-ve)	NEGATIVE (-ve)		
by DIP STICK/REFLEC		HOTOMETRY	·				
	71NIA TI7NNI						

MICROSCOPIC EXAMINATION



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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	2-3	/HPF	0 - 5	
EPITHELIAL CELLS		0-2	/HPF	ABSENT	

EPITHELIAL CELLS	0-2	/HPF	ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
CRYSTALS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
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	ADJLINI		ADJLINI
by WICHOSCOFT ON CLIVINIFUGED URINART SEDIMENT			

*** End Of Report ***





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