



Dr. Vinay C MD (Pathology Chairman & Co		robiology) MD (Pathology)		
NAME	: Mrs. HASI SUJAN			
AGE/ GENDER	: 75 YRS/FEMALE	l	PATIENT ID	: 1550586
COLLECTED BY	: SURJESH	1	REG. NO./LAB NO.	: 012407160025
REFERRED BY	:	1	REGISTRATION DATE	: 16/Jul/2024 10:06 AM
BARCODE NO.	: 01513238	(COLLECTION DATE	: 16/Jul/2024 10:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Jul/2024 10:33AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WEL	LNESS PANEL: 1.0	
	COM	MPLETE BLO	OD COUNT (CBC)	
RED BLOOD CELLS (R	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		12.7	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RE		4.61	Millions/cr	nm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUN	NE (PCV) UTOMATED HEMATOLOGY ANALYZER	39.5	%	37.0 - 50.0
MEAN CORPUSCULA		85.8	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	27.5	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER	27.5	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC)	32	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER ION WIDTH (RDW-CV)	16	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER	54.4		
	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	51.4	fL	35.0 - 56.0
MENTZERS INDEX		18.61	RATIO	BETA THALASSEMIA TRAIT: < 13.
by CALCULATED GREEN & KING INDE	v	29.73	RATIO	IRON DEFICIENCY ANEMIA: >13.0 BETA THALASSEMIA TRAIT: < =
by CALCULATED	٨	29.13	KATIO	65.0
				IRON DEFICIENCY ANEMIA: > 65.
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE C	OUNT (TLC) y by sf cube & microscopy	9740	/cmm	4000 - 11000
NUCLEATED RED BLC		NIL		0.00 - 20.00
	UTOMATED HEMATOLOGY ANALYZER &			
NUCLEATED RED BLC	DOD CELLS (nRBCS) %	NIL	%	< 10 %
by CALCULATED BY A MICROSCOPY	UTOMATED HEMATOLOGY ANALYZER &			



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.







Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. HASI SUJAN **AGE/ GENDER** : 75 YRS/FEMALE **PATIENT ID** :1550586 **COLLECTED BY** : SURJESH :012407160025 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 16/Jul/2024 10:06 AM : **BARCODE NO.** :01513238 **COLLECTION DATE** : 16/Jul/2024 10:14AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 16/Jul/2024 10:33AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 55 50 - 70 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 37 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % EOSINOPHILS 3 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 % 0 - 1 BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 5357 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 800 - 4900 3604 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 292 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 487 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT Ω /cmm 0 - 110by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 284000 150000 - 450000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.34 % PLATELETCRIT (PCT) 0.10 - 0.36by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 /cmm 115000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 40.4 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) % 15.0 - 17.0 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



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Test Name		Value	Unit	Biological Reference interval
	ERYT	HROCYTE SEDI	MENTATION RATE (ES	٤)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	20	mm/1st h	
(polycythaemia), sigi as sickle cells in sick NOTE: 1. ESR and C - reactiv	nificantly high white blood cell c le cell anaemia) also lower the E re protein (C-RP) are both marker	ount (leucocytosi SR. s of inflammatior CRP, either at the	s) , and some protein abno n.	uch as a high red blood cell count rmalities. Some changes in red cell shape (such
 CRP is not affected If the ESR is elevat Women tend to hat Drugs such as dexit 	l by as many other factors as is ES ed, it is typically a result of two ave a higher ESR, and menstruation	types of proteins, on and pregnancy	tter marker of inflammatior globulins or fibrinogen. can cause temporary eleva	l.



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est Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY/BIOC		ł –
		GLUCOSE FASTING ((F)	
GLUCOSE FASTING (by glucose oxidas	F): PLASMA SE - PEROXIDASE (GOD-POD)	GLUCOSE FASTING (120.97 ^H	ר) mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTA	AL: SERUM	163.21	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL O	XIDASE PAP			BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SEF by GLYCEROL PHOSE	RUM PHATE OXIDASE (ENZYMATIC)	141.37	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL by SELECTIVE INHIBIT		40.66	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0
LDL CHOLESTEROL: by CALCULATED, SPI	SERUM ECTROPHOTOMETRY	94.28	mg/dL	HIGH HDL: > OR = 60.0 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
NON HDL CHOLESTE by CALCULATED, SPL	EROL: SERUM ECTROPHOTOMETRY	122.55	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
	: SERUM ectrophotometry	28.27	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU		467.79	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL		4.01	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: SEF by CALCULATED, SPL	RUM <i>ECTROPHOTOMETRY</i>	2.32	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
na <u>nan</u> an		0		

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDL by CALCULATED, SPE		3.48	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 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
	LIV		I TEST (COMPLETE)	
BILIRUBIN TOTAL: S by DIAZOTIZATION, SI	ERUM PECTROPHOTOMETRY	0.59	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.21	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	C (UNCONJUGATED): SERUM	0.38	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	23.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	30.4	U/L	0.00 - 49.00
AST/ALT RATIO: SER	UM	0.78	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		68.08	U/L	40.0 - 130.0
	TRANSFERASE (GGT): SERUM	27.04	U/L	0.00 - 55.0
TOTAL PROTEINS: SE	ERUM	6.65	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		3.96	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		2.69	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.47	RATIO	1.00 - 2.00

A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

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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INTERPRETATION





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)	
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Test Name		Value	Unit	Biological Reference interv	al
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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Test Name		Value	Unit	Biological Reference interval
	KI	DNEY FUNCT	ION TEST (COMPLETE)	
UREA: SERUM		30.88	mg/dL	10.00 - 50.00
by UREASE - GLUTAM CREATININE: SERUN	IATE DEHYDROGENASE (GLDH)	1.08	ma/dl	0.40 - 1.20
by ENZYMATIC, SPEC		1.00	mg/dL	0.40 - 1.20
BLOOD UREA NITRO		14.43	mg/dL	7.0 - 25.0
by CALCULATED, SPE		13.36	RATIO	10.0 - 20.0
RATIO: SERUM	GEN (BUN)/CREATININE	13.30	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININE F		28.59	RATIO	
by CALCULATED, SPE	ECTROPHOTOMETRY	8.73 ^H	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	SE PEROXIDASE		ilig/ uL	2.30 - 0.00
CALCIUM: SERUM		10.12	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SER		3.94	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	5.74	Thy/ dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		141	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV		4 47		
POTASSIUM: SERUM by ISE (ION SELECTIV		4.47	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		105.75	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV				
ESTIMATED GLOME	RULAR FILTERATION RATE			

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.

4. High protein intake.

5. Impaired renal function plus



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 Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (Acute tubular necr 	a (e.g. ureter colostomy) hass (subnormal creatinine proc tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately superimposed on renal disease 10:1) WITH DECREASED BUN : rosis.	IE LEVELS: more than creatinine) (e.g. ob	ostructive uropa	athy).
2. Low protein diet a				
 Severe liver diseas Other causes of de 	e. ecreased urea synthesis.			
5. Repeated dialysis	(urea rather than creatinine dif		d).	
	monemias (urea is virtually abs			
7. SIADH (syndrome (8. Pregnancy.	of inappropiate antidiuretic har	none) due to tubular secretio	n of urea.	

DECREASED RATIO (<10:1) WITH INCREASED CREATININE:

1. Phenacimide therapy (accelerates conversion of creatine to creatinine).

2. Rhabdomyolysis (releases muscle creatinine).

3. Muscular patients who develop renal failure.

INAPPROPIATE RATIO:

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement). ESTIMATED GLOMERULAR FILTERATION RATE:

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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	Dr. Vinay Chopra MD (Pathology & Microt Chairman & Consultant	piology) ME	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. HASI SUJAN		
AGE/ GENDER	: 75 YRS/FEMALE	PATIENT ID	: 1550586
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407160025
REFERRED BY	:	REGISTRATION DATE	: 16/Jul/2024 10:06 AM
BARCODE NO.	: 01513238	COLLECTION DATE	: 16/Jul/2024 10:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Jul/2024 11:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	V	/alue 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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	Dr. Vinay Ch e MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD EO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. HASI SUJAN : 75 YRS/FEMALE : SURJESH : : 01513238 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REGISTR COLLECT REPORT	T ID /LAB NO. EATION DATE TON DATE ING DATE	: 1550586 : 012407160025 : 16/Jul/2024 10:06 AM : 16/Jul/2024 10:14AM : 16/Jul/2024 05:40PM
Test Name		Value	Unit	Biological Reference interval
PHYSICAL EXAMINA		CLINICAL PATHO DUTINE & MICROSCOF		TION
QUANTITY RECIEVEI by DIP STICK/REFLEC COLOUR by DIP STICK/REFLEC TRANSPARANCY by DIP STICK/REFLEC SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	10 AMBER YELLOW HAZY 1.01	ml	PALE YELLOW CLEAR 1.002 - 1.030
PROTEIN by DIP STICK/REFLEC SUGAR by DIP STICK/REFLEC PH by DIP STICK/REFLEC BILIRUBIN	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	ACIDIC Negative Negative 5.5 Negative		NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5 NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLEC KETONE BODIES by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY. TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	Negative Normal Negative	EU/dL	NEGATIVE (-ve) 0.2 - 1.0 NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	Negative NEGATIVE (-ve)		NEGATIVE (-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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REFERRED BY :		REGISTRATION DATE		: 16/Jul/2024 10:06 AM	
BARCODE NO.	RCODE NO. : 01513238		ION DATE	: 16/Jul/2024 10:14AM	
CLIENT CODE. : KOS DIAGNOSTIC LAB		REPORTING DATE		: 16/Jul/2024 05:40PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	Value NEGATIVE (-ve)	Unit /HPF	Biological Reference interval 0 - 3	
RED BLOOD CELLS (F by MICROSCOPY ON C PUS CELLS					
RED BLOOD CELLS (F by MICROSCOPY ON C PUS CELLS by MICROSCOPY ON C EPITHELIAL CELLS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT

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

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NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT

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		Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
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REFERRED BY	:		REGIS	TRATION DATE	: 16/Jul/2024 10:06 AM	
BARCODE NO.	:01513238		COLLI	ECTION DATE	: 16/Jul/2024 10:14AM	
CLIENT CODE.	: KOS DIAGNOS	ΓIC LAB	REPO	RTING DATE	: 16/Jul/2024 05:55PM	
CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, A	MBALA CANTT			
Test Name			Value	Unit	Biological Reference inte	erva
		MICROALBU	MIN/CREATININE R	ATIO - RANDOM	URINE	
MICROALBUMIN: RA			21.1	mg/L	0 - 25	
CREATININE: RANDO			96.04	mg/dL	20 - 320	
by SPECTROPHOTON			01.07		0 - 30	
•	REATININE RATIO		21.97	mg/g	0 - 30	
MICROALBUMIN/CF			21.97	mg/g	0-30	
MICROALBUMIN/CF RANDOM URINE by spectrophotom INTERPRETATION:-	IETRY		21.97		0 - 30	
MICROALBUMIN/CF RANDOM URINE by SPECTROPHOTOM INTERPRETATION:- PHYSIOLOGICALLY	NORMAL:	mg/L	21.97	0 - 30	0-30	
MICROALBUMIN/CF RANDOM URINE by SPECTROPHOTOM INTERPRETATION:-	NORMAL:		21.97			

Long standing un-treated Diabetes and Hypertension can lead to renal dysfunction. 2. Diabetic nephropathy or kidney disease is the most common cause of end stage renal disease(ERSD) or kidney failure. 3. Presence of Microalbuminuria is an early indicator of onset of compromised renal function in these patients. 4. Microalbuminuria is the condition when urinary albumin excre tion is between 30-300 mg & above this it is called as macroalbuminuria, the

4.Microalbuminulia is the condition when unary albuminescretion is between 30-300 mg & above this it is called as macroalbuminulia, the presence of which indicates serious kidney disease.
5.Microalbuminuria is not only associated with kidney disease but of cardiovascular disease in patients with dibetes & hypertension.
6.Microalbuminuria reflects vascular damage & appear to be a marker of of early arterial disease & endothelial dysfunction.
NOTE:- IF A PATIENT HAS = 1+ PROTEINURIA (30 mg/dl OR 300 mg/L) BY URINE DIPSTICK (URINEANALYSIS), OVERT PROTEINURIA IS PRESENT AND TESTING FOR MICROALBUMIN IS INAPPROPIATE. IN SUCH A CASE, URINE PROTEIN:CREATININE RATIO OR 24 HOURS TOTAL URINE MICROPROTEIN IS APPROPIATE. APPROPIATE

*** End Of Report ***





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