



	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa		Dr. Yugam MD (f CEO & Consultant F	Pathology)
	RCHANA 5/FEMALE 5H	R	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE	: 1624723 : 012409250032 : 25/Sep/2024 11:08 AM
	680 IAGNOSTIC LAB 1, NICHOLSON ROAD, AMBALA	C R	COLLECTION DATE REPORTING DATE	: 25/Sep/2024 11:14AM : 25/Sep/2024 11:26AM
Test Name	Va	alue	Unit	Biological Reference interval
	SWASTH	YA WEL	LNESS PANEL: 1.0	
			OD COUNT (CBC)	
RED BLOOD CELLS (RBCS) COL				
HAEMOGLOBIN (HB)	1'	1.9 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) COUN		.6	Millions/cm	nm 3.50 - 5.00
by HYDRO DYNAMIC FOCUSING, PACKED CELL VOLUME (PCV)	3	7.2	%	37.0 - 50.0
by CALCULATED BY AUTOMATE MEAN CORPUSCULAR VOLUM		0.8	fL	80.0 - 100.0
by CALCULATED BY AUTOMATER MEAN CORPUSCULAR HAEMO		5.9 ^L	pg	27.0 - 34.0
by CALCULATED BY AUTOMATE MEAN CORPUSCULAR HEMOO by CALCULATED BY AUTOMATE	D HEMATOLOGY ANALYZER GLOBIN CONC. (MCHC) 32		g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WID	TH (RDW-CV) 13	3.2	%	11.00 - 16.00
RED CELL DISTRIBUTION WID by CALCULATED BY AUTOMATER	TH (RDW-SD) 40	0.1	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		7.57	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by calculated	23	3.21	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)				
TOTAL LEUCOCYTE COUNT (TL by FLOW CYTOMETRY BY SF CU		610	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELL	S (nRBCS) N	IIL		0.00 - 20.00
by AUTOMATED 6 PART HEMATO NUCLEATED RED BLOOD CELL by CALCULATED BY AUTOMATED DIFFERENTIAL LEUCOCYTE CO	S (nRBCS) % N D HEMATOLOGY ANALYZER	IIL	%	< 10 %
NEUTROPHILS by flow cytometry by sf cu	54 BE & MICROSCOPY	4	%	50 - 70

57 57 S. G

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	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. ARCHANA			
AGE/ GENDER	: 62 YRS/FEMALE	P	ATIENT ID	: 1624723
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012409250032
REFERRED BY	:	R	EGISTRATION DATE	: 25/Sep/2024 11:08 AM
BARCODE NO.	: 01517680	C	OLLECTION DATE	: 25/Sep/2024 11:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 25/Sep/2024 11:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	Y BY SF CUBE & MICROSCOPY	38	%	20 - 40
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES		6	%	2 - 12
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE LEUKOCY		1100		0000 7500
ABSOLUTE NEUTROF	PHIL COUNT Y BY SF CUBE & MICROSCOPY	4109	/cmm	2000 - 7500
ABSOLUTE LYMPHO		2892	/cmm	800 - 4900
by FLOW CYTOMETRY ABSOLUTE EOSINOP	Y BY SF CUBE & MICROSCOPY HIL COUNT	152	/cmm	40 - 440
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY		/ chill	
	TE COUNT Y by sf cube & microscopy	457	/cmm	80 - 880
ABSOLUTE BASOPHIL		0	/cmm	0 - 110
-	Y BY SF CUBE & MICROSCOPY	DC		
PLATELET COUNT (PL	HER PLATELET PREDICTIVE MARKE		lamm	150000 450000
	ET) FOCUSING, ELECTRICAL IMPEDENCE	215000	/cmm	150000 - 450000
PLATELETCRIT (PCT)		0.25	%	0.10 - 0.36
MEAN PLATELET VOI	OCUSING, ELECTRICAL IMPEDENCE	12	fL	6.50 - 12.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PLATELET LARGE CEL	L COUNT (P-LCC)	81000	/cmm	30000 - 90000
PLATELET LARGE CEL		37.4	%	11.0 - 45.0
PLATELET DISTRIBUT by HYDRO DYNAMIC F		16.8	%	15.0 - 17.0



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 25/Sep/2024 11:32AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENT	ATION RATE (ESR)	
by RED CELL AGGRE INTERPRETATION:	MENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMET	32 ^H RY	mm/1st hr	0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sigr	does not tell the health practitic cted by other conditions besides be used to monitor disease activ ematosus W ESR n with conditions that inhibit the	oner exactly where the ir inflammation. For this r ity and response to ther e normal sedimentation bunt (leucocytosis), and	iflammation is in the bo eason, the ESR is typica apy in both of the abov of red blood cells, such	associated with infection, cancer and aut ody or what is causing it. ally used in conjunction with other test su- ve diseases as well as some others, such a as a high red blood cell count alities. Some changes in red cell shape (su

 ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while exprise contrace and quiping may decrease it. aspirin, cortisone, and quinine may decrease it





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
CLIENI ADDRESS				
Test Name		Value	Unit	Biological Reference interval
	CLIN	Value		
	CLIN		/BIOCHEMISTR	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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	MD (P	finay Chopra athology & Microbiology) nan & Consultant Pathologist	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY	: Mrs. ARCHANA : 62 YRS/FEMALE : SURJESH :	RE	TIENT ID G. NO./LAB NO. GISTRATION DATE	: 1624723 : 012409250032 : 25/Sep/2024 11:08 AM
BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: 01517680 : KOS DIAGNOSTIC I : 6349/1, NICHOLSC		LLECTION DATE PORTING DATE	: 25/Sep/2024 11:14AM : 25/Sep/2024 12:13PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI		
CHOLESTEROL TOTAL by CHOLESTEROL OX		154.59	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSE	UM HATE OXIDASE (ENZYM)	178.23 ^H 4 <i>tic</i>)	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (by SELECTIVE INHIBITI		54.21	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		64.73	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 CHOLESTE by CALCULATED, SPE		100.38	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:		35.65	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SERUN by CALCULATED, SPE	N	487.41	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE		2.85	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: SER by calculated, spe		1.19	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0

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		hopra & Microbiology) nsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. ARCHANA			
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CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AM		, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDI	L RATIO: SERUM	3.29	RATIO	3.00 - 5.00

by CALCULATED, SPECTROPHOTOMETRY

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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. ARCHANA AGE/ GENDER : 62 YRS/FEMALE **PATIENT ID** :1624723 **COLLECTED BY** : SURJESH :012409250032 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 25/Sep/2024 11:08 AM : **BARCODE NO.** :01517680 **COLLECTION DATE** :25/Sep/2024 11:14AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :25/Sep/2024 12:13PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.36 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.00 - 0.40 0.11 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.25 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 22 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 24.4 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.9 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY U/L ALKALINE PHOSPHATASE: SERUM 40.0 - 130.0 106.78 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL U/L GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 31.82 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 6.75 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY

by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.73 RATIO by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

ALBUMIN: SERUM

by BROMOCRESOL GREEN **GLOBULIN: SERUM**

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

4.28

2.47





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gm/dL

gm/dL

3.50 - 5.50

2.30 - 3.50

1.00 - 2.00



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT







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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

HEFATOCELEOLAR CARCINOWA & CHRONIC HEFATTIS	> 1.5 (Silyintiy increas
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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CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 25/Sep/2024 01:56PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interv	val
	к	DNEY FUNCTION 1	TEST (COMPLETE)		
UREA: SERUM		33.96	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)				
CREATININE: SERUN		1.04	mg/dL	0.40 - 1.20	
		15.87	mg/dL	7.0 - 25.0	
BLOOD UREA NITROGEN (BUN): SERUM by calculated, spectrophotometry BLOOD UREA NITROGEN (BUN)/CREATININE		15.07	ing/ac	7.0 - 23.0	
		15.26	RATIO	10.0 - 20.0	
RATIO: SERUM					
by CALCULATED, SPE UREA/CREATININE F		32.65	RATIO		
by CALCULATED, SPE		32.00	ivitio		
URIC ACID: SERUM		7.72 ^H	mg/dL	2.50 - 6.80	
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.7	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE	CTROPHOTOMETRY		ing, at		
PHOSPHOROUS: SER		3.49	mg/dL	2.30 - 4.70	
ELECTROLYTES	DATE, SPECTROPHOTOMETRY				
sodium: serum		137.2	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV	ELECTRODE)	137.2	THITIOI/L	135.0 - 150.0	
POTASSIUM: SERUM		4.73	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV	E ELECTRODE)	100.0			
CHLORIDE: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	102.9	mmol/L	90.0 - 110.0	
	RULAR FILTERATION RATE				
	RULAR FILTERATION RATE	60.8			
(eGFR): SERUM					
by CALCULATED					

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





GP C GENDER : 192 YRS/FEMALE PATIENT ID :: 1924723 COLLECTED BY : SURJESH REG. NO./LAB NO. : 012409250032 EFERRED BY : REGISTRATION DATE : 25/Sep/2024 11.08 AM ARCODE NO. :: 01517680 COLLECTION DATE :: 25/Sep/2024 11.04 AM ILENT CODE :: KOS DIAGNOSTIC LAB REPORTING DATE :: 25/Sep/2024 01:36PM LIENT ADDRESS :: 6349/1. NICHOLSON ROAD, AMBALA CANTT Biological Reference interval Ich normrhage.								
GE/ GENDER : £92 YRS/FEMALE PATIENT ID : 1624723 OLLECTED BY : SURJESH REG. NO./LAB NO. : 012409250032 EFERRED BY : REGISTRATION DATE : 25/Sep/2024 11.08 AM ARCODE NO. : 01517680 COLLECTION DATE : 25/Sep/2024 11.03 AM LIENT CODE : KOS DIAGNOSTIC LAB REPORTING DATE : 25/Sep/2024 01:36PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference interval est Name Value Unit Biological Reference interval .GI haemorthage.			MD (Pathology & Microbiology)		MD (Pathology)			
DILECTED BY SURJESH REG. NO./LAB NO. S12409250032 EFERRED BY F REGISTRATION DATE S25/Sep/2024 11:08 AM ARCODE NO. S1517680 COLLECTION DATE S25/Sep/2024 11:14AM LIENT ADDRESS KOS DIAGNOSTIC LAB REPORTING DATE S25/Sep/2024 01:56PM LIENT ADDRESS S349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference interval CI haemorrhage. High protein intake. Biological Reference interval Impaired renal function plus Sampaired renal function plus Sampaired renal function plus Instrum, surgery, cachexia, high fever). Urine cabsorption (e.g. ureter colostomy) Sampaired renal function plus Reduced muscle mass (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Pretranal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Pretranel azotemia superimposed or renal disease. Sampaire (renal function plus CREASED RATIO (<10:1) WITH DECREASED BUN : Sampaire (renal function plus Actuet Ubular necrosis Sampaire (renal function plus Low protein diet and starvation. Severe liver disease. Severe liver disease. Sampaire (renal function plus Satter andito (solo) (ware atter than creatinine diffuse	NAME	: Mrs. ARCH	ANA					
EFERRED BY E. ERGISTRATION DATE 25/Sep/2024 11:08 AM ARCODE NO. :01517680 COLLECTION DATE :25/Sep/2024 11:14AM LIENT CODE : KOS DIAGNOSTIC LAB REPORTING DATE :25/Sep/2024 01:56PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Est Name Value Unit Biological Reference interval CI haemorrhage.	AGE/ GENDER	: 62 YRS/FE	MALE	F	ATIENT ID	:	1624723	
EFERRED BY E. ERGISTRATION DATE 25/Sep/2024 11:08 AM ARCODE NO. :01517680 COLLECTION DATE :25/Sep/2024 11:14AM LIENT CODE : KOS DIAGNOSTIC LAB REPORTING DATE :25/Sep/2024 01:56PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Est Name Value Unit Biological Reference interval CI haemorrhage.	COLLECTED BY	: SURJESH		F	EG. NO./LAB NO.	. :	012409250032	
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LIENT CODE KOS DIAGNOSTIC LAB REPORTING DATE : 25/Sep/2024 01:56PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT GI haemorrhage. High protein intake. High protein intake.		· · 01517680					•	
LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTS est Name Value Unit Biological Reference interval GI haemorrhage. High protein intake. Impaired renal function plus Impaired renal function plus Impaired renal function plus Impaired renal function plus Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (Subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticoids) VGRASED RATIO (-20:1) WITH ELEVATED CREATININE LEVELSI: Postrenal azotemia superimposed on renal disease. CREASED RATIO (-10:10) WITH DECREASED BUN : Severe liver disease. Outor causes of decreased urea synthesis. Severe liver disease. Other causes of inappropiate antidiuretic harmone) due to tubular secretion of urea. Pregnancy. Program. Stabd (syndrome of inappropiate antidiuretic harmone) due to treatinine vith certain methodologies, resulting in normal ratio when dehydra audit real fully. Nuborlysis (releases muscle careatinine). Muscle rates for conversion of creatinine). Nuborlysis (releases muscle careatinine). Muscle rate ration of urea. Muscle rate ratio ratio ratio ratin when dehydra auditoratio ratio ratio ratio ratin methodologies,							•	
est Name Value Unit Biological Reference interval GI haemorrhage. High protein intake. Impaired renal function plus Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticoids) VGRASED RATIO (>20:1) WITH ELEVATED CREATININE LEVELS: Postranal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia superimposed on renal disease. ECREASED RATIO (>20:1) WITH DECREASED BUN : Acute tubular necrosis. Low protein diet and starvation. Severe liver disease. Control diet and starvation. Severe liver disease. Startic (10:1) WITH DECREASED BUN : Acute tubular necrosis. Low protein diet and starvation. Severe liver disease. Startic (10:1) WITH INCREASED CREATININE Pregnancy. ECREASED RATIO (<10:1) WITH INCREASED CREATININE					LEFURING DAI	E .	25/Sep/2024 01.50)r Ivi
Gl haemorrhage. High protein intake. Impaired renal function plus Excess protein intake or production or tissue breakdown (e.g. infection, Gl bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticoids) URCEASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS:	ULIEN I ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMBA	ALA CANTI				
High protein intake. Impaired renal function plus Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) • Certain drugs (e.g. tetracycline, glucocorticoids) UCREASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS:	Test Name			Value	Un	nit	Biological	Reference interval
Cephalosporin therapy (interferes with creatinine measurement).STIMATED GLOMERULAR FILTERATION RATE:CKD STAGEDESCRIPTIONGFR (mL/min/1.73m2)ASSOCIATED FINDINGSG1Normal kidney function>90No proteinuriaG2Kidney damage with>90Presence of Protein ,	DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 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	10:1) WITH DEC rosis. Ind starvation. e. ccreased ureas (urea rather th monemias (ur- of inappropiate 10:1) WITH INC apy (accelerate releases muscle who develop r o: osis (acetoaceta	REASED BUN : ynthesis. an creatinine diffuses c ea is virtually absent in e antidiuretic harmone) REASED CREATININE: s conversion of creatine e creatinine). enal failure. ate causes false increas	blood). due to tubula e to creatinine	r secretion of urea		resulting in norma,	Il ratio when dehydrati
CKD STAGEDESCRIPTIONGFR (mL/min/1.73m2)ASSOCIATED FINDINGSG1Normal kidney function>90No proteinuriaG2Kidney damage with>90Presence of Protein ,	2. Cephalosporin the	rapy (interferes	s with creatinine measu	rement).				
G1Normal kidney function>90No proteinuriaG2Kidney damage with>90Presence of Protein ,				GFR (mL	/min/1.73m2)	ASSOC	ATED FINDINGS]
]
normal or high GFR Albumin or cast in urine	G2		Kidney damage with normal or high GFR		>90			

G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		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	



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

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









	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mrs. ARCHANA		
AGE/ GENDER	: 62 YRS/FEMALE	PATIENT ID	: 1624723
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012409250032
REFERRED BY	:	REGISTRATION DATE	: 25/Sep/2024 11:08 AM
BARCODE NO.	: 01517680	COLLECTION DATE	: 25/Sep/2024 11:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 25/Sep/2024 01:56PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	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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	Dr. Vinay Ch MD (Pathology & Chairman & Con				
NAME	: Mrs. ARCHANA				
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	: KOS DIAGNOSTIC LAB		EPORTING DATE	•	
CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,		EPORTING DATE	: 25/Sep/2024 03:00PM	
Test Name		Value	Unit	Biological Reference interva	
		value	Unit	biological Reference interva	
		CLINICAL P	ATHOLOGY		
	URINE R	OUTINE & MICR	OSCOPIC EXAMINAT	ΓΙΟΝ	
PHYSICAL EXAMINA	TION				
QUANTITY RECIEVED)	10	ml		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
COLOUR		AMBER YELL	OW	PALE YELLOW	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY		HAZY		CLEAR	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
SPECIFIC GRAVITY		1.01		1.002 - 1.030	
CHEMICAL EXAMINA	TANCE SPECTROPHOTOMETRY				
REACTION		ACIDIC			
	TANCE SPECTROPHOTOMETRY	ACIDIC			
PROTEIN		Negative		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY				
SUGAR	TANCE SPECTROPHOTOMETRY	3+		NEGATIVE (-ve)	
оН		<=5.0		5.0 - 7.5	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY.	ingativo			
JROBILINOGEN		Normal	EU/dL	0.2 - 1.0	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY	negative		NEGATIVE (-VE)	
BLOOD		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
	TANCE SPECTROPHOTOMETRY	NEGATIVE (-	ve)	NEGATIVE (-ve)	
by DIP STICK/REFLEC					

MICROSCOPIC EXAMINATION



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MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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

NAME	: Mrs. ARCHANA				
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CLIENT CODE. : KOS DIAGNOSTIC LAB		REPORTING DATE		: 25/Sep/2024 03:00PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT			
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		1-3	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)	

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