



	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F			Pathology)
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 65 YRS/FEMALE		PATIENT ID	: 1814875
COLLECTED BY	:		REG. NO./LAB NO.	: 042504020001
REFERRED BY	:		REGISTRATION DATE	: 02/Apr/2025 09:17 AM
BARCODE NO.	: A1260768		COLLECTION DATE	: 02/Apr/2025 03:09PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 02/Apr/2025 03:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT		
Test Name	V	alue	Unit	Biological Reference interval
	SWASTHY	A WE	LLNESS PANEL: 1.	0
			DOD COUNT (CBC)	
RED BLOOD CELI	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI		12.1	gm/dL	12.0 - 16.0
by CALORIMETRIC	(PPC) COUNT	4.35	Millions/c	2000 - 5.00 - 5.00
RED BLOOD CELL by HYDRO DYNAMIC F	COUNT COUSING, ELECTRICAL IMPEDENCE	4.55	IVIIIIIOIIS/C	3.30 - 3.00
PACKED CELL VOL	UME (PCV) UTOMATED HEMATOLOGY ANALYZER	37.8	%	37.0 - 50.0
•	AR VOLUME (MCV)	86.9	fL	80.0 - 100.0
	JTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	27.9	20	27.0 - 34.0
	JTOMATED HEMATOLOGY ANALYZER	21.9	pg	21.0 - 34.0
	LAR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	32.1	g/dL	32.0 - 36.0
-	BUTION WIDTH (RDW-CV)	16.4 ^H	%	11.00 - 16.00
-	UTOMATED HEMATOLOGY ANALYZER BUTION WIDTH (RDW-SD)	53.1	fL	35.0 - 56.0
	JTOMATED HEMATOLOGY ANALYZER	55.1	IL	35.0 - 50.0
MENTZERS INDEX by CALCULATED		19.98	RATIO	BETA THALASSEMIA TRAIT: -
by CALCOLATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING IN by calculated	DEX	102.35	RATIO	BETA THALASSEMIA TRAIT: <= 65.0
by CALCOLATED				<= 65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CI	ELLS (WBCS)			
FOTAL LEUCOCYT	E COUNT (TLC) by sf cube & microscopy	8560	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	T HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL	%	< 10 %





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	AUTOMATED HEMATOLOGY ANALYZER			
	<u>EUCOCYTE COUNT (DLC)</u>			
NEUTROPHILS	Y BY SF CUBE & MICROSCOPY	58	%	50 - 70
LYMPHOCYTES		32	%	20 - 40
-	Y BY SF CUBE & MICROSCOPY			
EOSINOPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES		6	%	2 - 12
by FLOW CYTOMETR BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY	0	70	0 - 1
ABSOLUTE LEUK	COCYTES (WBC) COUNT			
ABSOLUTE NEUT		4965	/cmm	2000 - 7500
by FLOW CYTOMETR ABSOLUTE LYMP	Y BY SF CUBE & MICROSCOPY	2739	/cmm	800 - 4900
	Y BY SF CUBE & MICROSCOPY	2139	/ciiiii	800 - 4900
ABSOLUTE EOSIN		342	/cmm	40 - 440
ABSOLUTE MONC	Y BY SF CUBE & MICROSCOPY	514	/cmm	80 - 880
	Y BY SF CUBE & MICROSCOPY	511	, chilli	
ABSOLUTE BASO	PHIL COUNT Y BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
-	OTHER PLATELET PREDICTIV	E MARKERS.		
PLATELET COUN	T (PLT)	314000	/cmm	150000 - 450000
	FOCUSING, ELECTRICAL IMPEDENCE			
PLATELETCRIT (I	PCT) FOCUSING, ELECTRICAL IMPEDENCE	0.4 ^H	%	0.10 - 0.36
MEAN PLATELET		13 ^H	fL	6.50 - 12.0
-	FOCUSING, ELECTRICAL IMPEDENCE		/	20000 00000
	E CELL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	145000 ^H	/cmm	30000 - 90000
PLATELET LARGE	E CELL RATIO (P-LCR)	46.3 ^H	%	11.0 - 45.0
	FOCUSING, ELECTRICAL IMPEDENCE IBUTION WIDTH (PDW)	16.1	%	15.0 - 17.0
TLAILLEI DISIK		10.1	70	13.0 - 17.0





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Test Name	Valu	e Unit	Biological Reference interval

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



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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BARCODE NO.	: A1260768		COLLECTION DATE	: 02/Apr/2025 03:09PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 02/Apr/2025 03:48PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
	ERYTHROO	CYTE SEDI	IMENTATION RATE	(ESR)
by RED CELL AGGREGA INTERPRETATION: 1. ESR is a non-specific immune disease, but do 2. An ESR can be affect as C-reactive protein 3. This test may also be systemic lupus erythem CONDITION WITH LOW A low ESR can be seen (polycythaemia), signifi as sickle cells in sickle NOTE: 1. ESR and C - reactive p 2. Generally, ESR does 3. CRP is not affected by 4. If the ESR is elevated 5. Women tend to have 6. Drugs such as dextra	oes not tell the health practitione ed by other conditions besides inf e used to monitor disease activity ESR with conditions that inhibit the no icantly high white blood cell coun cell anaemia) also lower the ESR. protein (C-RP) are both markers of not change as rapidly as does CRP y as many other factors as is ESR , in <i>J</i> , it is typically a result of two type e a higher ESR, and menstruation a	r exactly wher lammation. Fo and response prmal sedimer (t (leucocytosi f inflammation c), either at the making it a be es of proteins, and proteins,	re the inflammation is in the or this reason, the ESR is typ to therapy in both of the al ntation of red blood cells, su is) , and some protein abno n. e start of inflammation or as tter marker of inflammation , globulins or fibrinogen. y can cause temporary eleva	ion associated with infection, cancer and auto- body or what is causing it. bically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves.





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BARCODE NO.	: A1260766		COLLECTION DATE	: 02/Apr/2025 03:10PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBA	D	REPORTING DATE	: 02/Apr/2025 04:07PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINIC	CAL CHEMIS	STRY/BIOCHEMIS	STRY
		GLUCOSI	E FASTING (F)	
GLUCOSE FASTIN by GLUCOSE OXIDAS	G (F): PLASMA E - PEROXIDASE (GOD-POD)	69.38	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
INTERPRETATION				

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PR(OFILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	198.04	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP		U	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: S	SERUM	89.53	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTERC	DL (DIRECT): SERUM	63.03	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI	ON		-	BORDERLINE HIGH HDL: 30.0
				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO	I · SFRUM	117.1	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE		117.1	iiig/uL	ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES	TEROL: SERUM	135.01 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CTROPHOTOMETRY	155.01		ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: > OR = 220.0
VLDL CHOLESTER		17.91	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SEI		485.61	mg/dL	350.00 - 700.00
by CALCULATED, SPE		403.01	iiig/uL	550.00 - 700.00
CHOLESTEROL/HD		3.14	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	CTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0
I SAGE AN IN	2		Λ	

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Test Name		Value	Unit	Biological Reference interval
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: S by CALCULATED, SPE		1.86	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/I by CALCULATED, SPE	IDL RATIO: SERUM	1.42 ^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.

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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CLIENT ADDRESS	. 0349/ 1, NICHOLSON ROAD, AMD	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER F	UNCTION	N TEST (COMPLETE)	
BILIRUBIN TOTAL	: SERUM PECTROPHOTOMETRY	0.45	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
•	Γ (CONJUGATED): SERUM	0.12	ma/dI	0.00 - 0.40
	PECTROPHOTOMETRY	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.33	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	I RIDOXAL PHOSPHATE	30.55	U/L	7.00 - 45.00
SGPT/ALT: SERUM		28.94	U/L	0.00 - 49.00
by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	1.06	RATIO	0.00 - 46.00
by CALCULATED, SPE		1.00	KAIIO	0.00 - 40.00
ALKALINE PHOSPH by Para Nitrophen Propanol	HATASE: SERUM yl phosphatase by amino methyl	155.54 ^H	U/L	40.0 - 130.0
	YL TRANSFERASE (GGT): SERUM phtometry	21.36	U/L	0.00 - 55.0
TOTAL PROTEINS	SERUM	7.32	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.27	gm/dL	3.50 - 5.50
by BROMOCRESOL G		2.05	(17	2 20 2 50
GLOBULIN: SERUN by CALCULATED, SPE		3.05	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	М	1.4	RATIO	1.00 - 2.00

INTERPRETATION

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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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Test Name		Value Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Ir	ncreased)

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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	KIDNE	V FUNCTIO	ON TEST (COMPLETI	F)	
UREA: SERUM		29.99	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)	29.99	iiig/uL	10.00 - 50.00	
CREATININE: SER	-	0.95	mg/dL	0.40 - 1.20	
by ENZYMATIC, SPEC		14.01	mg/dL	7.0 - 25.0	
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY			ing/ull	1.0 25.0	
	ROGEN (BUN)/CREATININE	14.75	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY				
UREA/CREATININ	E RATIO: SERUM	31.57	RATIO		
by CALCULATED, SPE URIC ACID: SERUN		2 70	Ib/em	2.50 6.80	
by URICASE - OXIDAS		3.78	mg/dL	2.50 - 6.80	
CALCIUM: SERUM		9.11	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE PHOSPHOROUS: SI		4.23	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY	4.23	iiig/uL	2.30 - 7.70	
ELECTROLYTES					
SODIUM: SERUM		144.5	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV POTASSIUM: SERU		4.71	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV		7./1	minol/L	5.50 - 5.00	
CHLORIDE: SERUN by ISE (ION SELECTIV		108.38	mmol/L	90.0 - 110.0	
ESTIMATED GLO	MERULAR FILTERATION RAT	<u>TE</u>			
ESTIMATED GLON	MERULAR FILTERATION RATE	66.5			
(eGFR): SERUM					
by CALCULATED INTERPRETATION:					
	een pre- and post renal azotemia.				

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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Ch MD (Pathology & Chairman & Con	Microbiology)	gam Chopra MD (Pathology) Itant Pathologist		
IAME	: Mrs. RENU WADHWA				
AGE/ GENDER	: 65 YRS/FEMALE	PATIENT ID	: 1814875		
COLLECTED BY	ECTED BY : REG. NO./LAB NO.		: 042504020001		
REFERRED BY	:	REGISTRATION DAT	E : 02/Apr/2025 09:17 AM		
BARCODE NO.	: A1260767	COLLECTION DATE	: 02/Apr/2025 03:08PM		
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 02/Apr/2025 04:07PM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, J	AMBALA CANTT			
Test Name		Value Unit	Biological Reference interval		
2. Prerenal azotemia	superimposed on renal disease.	nore than creatinine) (e.g. obstructive u	ropathy).		
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of definition Repeated dialysis Inherited hyperam SIADH (syndrome of DECREASED RATIO (< Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients 	superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cre- eleases muscle creatinine). who develop renal failure. :	uses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. JE: eatine to creatinine).			
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of decision Repeated dialysis Inherited hyperam SIADH (syndrome of the syndrome of the synd	superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually absect of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of creatine). who develop renal failure. : sis (acetoacetate causes false inter creased BUN/creatinine ratio). apy (interferes with creatinine m	uses out of extracellular fluid). ent in blood). ione) due to tubular secretion of urea. JE: eatine to creatinine). crease in creatinine with certain metho	dologies,resulting in normal ratio when dehydratic		
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of decision Repeated dialysis Inherited hyperam SIADH (syndrome of the syndrome of the synd	superimposed on renal disease. IO:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually absect of inappropiate antidiuretic harm IO:1) WITH INCREASED CREATININ py (accelerates conversion of crea- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false into- creased BUN/creatinine ratio). apy (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION	uses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. JE: eatine to creatinine). crease in creatinine with certain metho neasurement). <u>GFR (mL/min/1.73m2)</u>			
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of definition Repeated dialysis Inherited hyperam SIADH (syndrome of the syndrome of the sy	superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually absect of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of crea- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false into creased BUN/creatinine ratio). apy (interferes with creatinine m JLAR FILTERATION RATE:	uses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. JE: eatine to creatinine). crease in creatinine with certain metho neasurement). <u>GFR (mL/min/1.73m2)</u> tion <u>>90</u>	dologies,resulting in normal ratio when dehydratio		

DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
Normal kidney function	>90	No proteinuria
Kidney damage with	>90	Presence of Protein,
normal or high GFR		Albumin or cast in urine
Mild decrease in GFR	60 -89	
Moderate decrease in GFR	30-59	
Severe decrease in GFR	15-29	
Kidney failure	<15	
	Normal kidney function Kidney damage with normal or high GFR Mild decrease in GFR Moderate decrease in GFR Severe decrease in GFR	Normal kidney function>90Kidney damage with normal or high GFR>90Mild decrease in GFR60 -89Moderate decrease in GFR30-59Severe decrease in GFR15-29



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	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	crobiology) MI	m Chopra D (Pathology) ht Pathologist
NAME	: Mrs. RENU WADHWA		
AGE/ GENDER	: 65 YRS/FEMALE	PATIENT ID	: 1814875
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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 FR category reported as per KDIGO guideline 2012

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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	Chairman & Consu	Itant Pathologis	t CEO & Consultant	Pathologist
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Test Name		Value	Unit	Biological Reference interval
Test Name	IMMU		Unit	
Test Name		NOPATHO		
		NOPATHO	DLOGY/SEROLOG	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. **NOTE:**

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.

2. Oral contraceptives may increase CRP levels.





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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTI	ING DATE	: 02/Apr/2025 03:20PM		
CLIENT ADDRESS : 6349/1, NICHOLSON ROA						
Test Name		Value	Unit	Biological Reference interv		
		CLINICAL PATHO	OLOGY			
	URINE ROU	TINE & MICROSCO	PIC EXAMI	NATION		
PHYSICAL EXAM	INATION					
QUANTITY RECIE		10	ml			
	TANCE SPECTROPHOTOMETRY					
COLOUR	TANCE SPECTROPHOTOMETRY	PALE YELLOW		PALE YELLOW		
TRANSPARANCY		CLEAR		CLEAR		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY					
SPECIFIC GRAVIT	Y CTANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030		
CHEMICAL EXAN						
REACTION		ALKALINE				
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY					
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)		
SUGAR	ARAGE OF LOTHOF HOTOMETRY	Negative		NEGATIVE (-ve)		
•	TANCE SPECTROPHOTOMETRY					
pH by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	7.5		5.0 - 7.5		
BILIRUBIN		Negative		NEGATIVE (-ve)		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY					
NITRITE by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0		
-	TANCE SPECTROPHOTOMETRY					
KETONE BODIES by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)		
BLOOD		Negative		NEGATIVE (-ve)		
•	TANCE SPECTROPHOTOMETRY					
ASCORBIC ACID by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)		
•						

MICROSCOPIC EXAMINATION



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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

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELL	S (RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS		2-3	/HPF	0 - 5

by MICROSCOLT ON CENTRI OCED ORMANT SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EPITHELIAL CELLS	3-4	/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	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT

End Of Report





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