



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE		PATIENT ID	: 1393430
COLLECTED BY	:		REG. NO./LAB NO.	: 042409120002
REFERRED BY	:		REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465479		COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 12/Sep/2024 11:34AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	BALA CANTT		
Test Nome		Value	llait	Dialogical Deference interval
Test Name		Value	Unit	Biological Reference interval
	MEDITE	ST HEAL	THY INDIA PACKAGE	-
			OOD COUNT (CBC)	
	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		12.4	gm/dL	12.0 - 16.0
by CALORIMETRIC		12.4	gni/dL	12.0 - 10.0
RED BLOOD CELL (RB		4.4	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUM	DCUSING, ELECTRICAL IMPEDENCE F (PC.V)	38.8	%	37.0 - 50.0
by CALCULATED BY AU	JTOMATED HEMATOLOGY ANALYZER			
		88.2	fL	80.0 - 100.0
	JTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	28.2	pg	27.0 - 34.0
by CALCULATED BY AU	JTOMATED HEMATOLOGY ANALYZER	2012		2.10 0.10
MEAN CORPUSCULAR	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	31.9 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI	ON WIDTH (RDW-CV)	15.1	%	11.00 - 16.00
	JTOMATED HEMATOLOGY ANALYZER ON WIDTH (RDW-SD)	49.7	fL	35.0 - 56.0
	JTOMATED HEMATOLOGY ANALYZER	47.7		33.0 - 30.0
MENTZERS INDEX		20.05	RATIO	BETA THALASSEMIA TRAIT: < 13.
	1	20.20	DATIO	IRON DEFICIENCY ANEMIA: >13.
GREEN & KING INDE> by CALCULATED		30.29	RATIO	BETA THALASSEMIA TRAIT:<= 65 IRON DEFICIENCY ANEMIA: > 65.
WHITE BLOOD CELLS	<u>(WBCS)</u>			
TOTAL LEUCOCYTE CO	DUNT (TLC)	10300	/cmm	4000 - 11000
	BY SF CUBE & MICROSCOPY			
NUCLEATED RED BLO by AUTOMATED 6 PAR	OD CELLS (NRBCS) T HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) %	NIL	%	< 10 %
	JTOMATED HEMATOLOGY ANALYZER			
DIFFERENTIAL LEUCO		(0)	0/	5070
NEUTROPHILS by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	60	%	50 - 70
,				

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







Dr. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. RENU WADHWA AGE/ GENDER : 63 YRS/FEMALE **PATIENT ID** :1393430 **COLLECTED BY** :042409120002 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 12/Sep/2024 10:47 AM : A0465479 **BARCODE NO. COLLECTION DATE** :12/Sep/2024 11:22AM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** :12/Sep/2024 11:34AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 33 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **EOSINOPHILS** 2 % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 5 MONOCYTES % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 6180 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 3399 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 206 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 515 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 - 110 0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 265000 150000 - 450000 PLATELET COUNT (PLT) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.36 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 14^H **MEAN PLATELET VOLUME (MPV)** fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 /cmm 135000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) % 11.0 - 45.0 51.1^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 16.1 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

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



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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt - 133 001, Haryana

 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Che MD (Pathology & Chairman & Cons	Microbiology)	gam Chopra MD (Pathology) tant Pathologist
NAME	: Mrs. RENU WADHWA		
AGE/ GENDER	: 63 YRS/FEMALE	PATIENT ID	: 1393430
COLLECTED BY	:	REG. NO./LAB NO.	: 042409120002
REFERRED BY	:	REGISTRATION DAT	E : 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465479	COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 12/Sep/2024 12:06PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTATION RATE	(ESR)
	MENTATION RATE (ESR)	21 ^H mm/ [*]	1st hr 0 - 20
1. ESR is a non-specifimmune disease, but 2. An ESR can be affe as C-reactive protein	c does not tell the health practition ected by other conditions besides be used to monitor disease activi ematosus	ner exactly where the inflammation is ir inflammation. For this reason, the ESR i	mation associated with infection, cancer and auto- n the body or what is causing it. s typically used in conjunction with other test such ne above diseases as well as some others, such as
A low ESR can be see (polycythaemia), sign	en with conditions that inhibit the	normal sedimentation of red blood cel unt (leucocytosis) , and some protein a SR.	ls, such as a high red blood cell count bnormalities. Some changes in red cell shape (suc

NOTE:

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.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it



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

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



Page 3 of 19



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugam MD (CEO & Consultant F	Pathology)
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE	PATI	ENT ID	: 1393430
COLLECTED BY	:	REG.	NO./LAB NO.	: 042409120002
REFERRED BY	:	REGI	STRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465477	COLL	ECTION DATE	: 12/Sep/2024 11:21AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBA	D REPO	RTING DATE	: 12/Sep/2024 12:13PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMISTRY	BIOCHEMISTRY	
		GLUCOSE FAS	TING (F)	
		OLOUUSE I AS		

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.



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







		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. RENU WADHWA : 63 YRS/FEMALE : : : A0465478 : KOS DIAGNOSTIC SHAHBA : 6349/1, NICHOLSON ROAD	REG. REGE COLL D REPO	ENT ID NO./LAB NO. STRATION DATE ECTION DATE ORTING DATE	: 1393430 : 042409120002 : 12/Sep/2024 10:47 AM : 12/Sep/2024 11:22AM : 12/Sep/2024 12:23PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTAL		171.7	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	125.11	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I by SELECTIVE INHIBITI		60.64	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		86.04	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
NON HDL CHOLESTER by CALCULATED, SPEC		111.06	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: by CALCULATED, SPE		25.02	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN by CALCULATED, SPEC	Л	468.51	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPEC	RATIO: SERUM	2.83	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, spec		1.42	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

57 ອັດວາ

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

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 Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE	PATI	ENT ID	: 1393430
COLLECTED BY	:	REG.	NO./LAB NO.	: 042409120002
REFERRED BY	:	REGIS	STRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478	COLL	ECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPO	RTING DATE	: 12/Sep/2024 12:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	2.06 ^L	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.

 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





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

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







	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	1icrobiology)		(Pathology)
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE		PATIENT ID	: 1393430
COLLECTED BY	:		REG. NO./LAB NO.	: 042409120002
REFERRED BY	:		REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478		COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 12/Sep/2024 12:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			N TEST (COMPLETE)	
BILIRUBIN TOTAL: SI by diazotization, sf	ERUM <i>pectrophotometry</i>	0.34	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.22	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	22.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	28.9	U/L	0.00 - 49.00
AST/ALT RATIO: SER	UM	0.78	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		149.45 ^H	U/L	40.0 - 130.0
	TRANSFERASE (GGT): SERUM	23.82	U/L	0.00 - 55.0
TOTAL PROTEINS: SE	RUM	7.04	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.22	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE	CTROPHOTOMETRY	2.82	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.5	RATIO	1.00 - 2.00

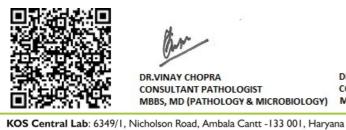
by CALCULATED, SPECTROPHOTOMETRY

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)



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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F		(Pathology)
NAME	: Mrs. RENU WADHWA		
AGE/ GENDER	: 63 YRS/FEMALE	PATIENT ID	: 1393430
COLLECTED BY	:	REG. NO./LAB NO.	: 042409120002
REFERRED BY	:	REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478	COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 12/Sep/2024 12:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Tost Namo	V	aluo Unit	Biological Peference interval

Test Name	Value	Unit	Biological Reference interval

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).

PROGNOSTIC	SIGNIFICANCE:

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



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







	Dr. Vinay Che MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)	
NAME	: Mrs. RENU WADHWA				
AGE/ GENDER	: 63 YRS/FEMALE		PATIENT ID	: 1393430	
COLLECTED BY	:		REG. NO./LAB NO.	: 042409120002	
REFERRED BY	:		REGISTRATION DATE	: 12/Sep/2024 10:47 AM	
BARCODE NO.	: A0465478		COLLECTION DATE	: 12/Sep/2024 11:22AM	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 12/Sep/2024 12:23PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A				
Test Name		Value	Unit	Biological Reference interva	
	KIE	ONEY FUNCTIO	ON TEST (COMPLETE)		
UREA: SERUM		29.93	mg/dL	10.00 - 50.00	
-	NATE DEHYDROGENASE (GLDH)				
		0.87	mg/dL	0.40 - 1.20	
by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		13.99	mg/dL	7.0 - 25.0	
by CALCULATED, SPECTROPHOTOMETRY					
	OGEN (BUN)/CREATININE	16.08	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED. SPE	ECTROPHOTOMETRY				
UREA/CREATININE F		34.4	RATIO		
-	ECTROPHOTOMETRY			0.50 (00	
URIC ACID: SERUM by URICASE - OXIDAS	SE PEROXIDASE	3.64	mg/dL	2.50 - 6.80	
CALCIUM: SERUM		9.33	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE					
PHOSPHOROUS: SER	{UM DATE, SPECTROPHOTOMETRY	3.75	mg/dL	2.30 - 4.70	
ELECTROLYTES	site, of contor noromenti				
sodium: serum		138.3	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV					
POTASSIUM: SERUM by ISE (ION SELECTIV		4.58	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM		103.73	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV					
	RULAR FILTERATION RATE	74.0			
egfr): Serum	RULAR FILTERATION RATE	74.8			
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.



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

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







		Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology)		m Chopra D (Pathology) nt Pathologist	
IAME	: Mrs. RENU	J WADHWA				
GE/ GENDER	: 63 YRS/FE		РАТ	TIENT ID	: 1393430	
OLLECTED BY	:			. NO./LAB NO.	:042409120002	
EFERRED BY	:			SISTRATION DATE	: 12/Sep/2024 10:4	
ARCODE NO.	: A0465478		COI	LECTION DATE	: 12/Sep/2024 11:22	2AM
LIENT CODE.	: KOS DIAGN	NOSTIC SHAHBAD	REI	ORTING DATE	: 12/Sep/2024 12:23	3PM
LIENT ADDRESS	: 6349/1, N	ICHOLSON ROAD, AMBA	LA CANTT			
est Name			Value	Unit	Biological	Reference interval
 Inherited hyperam SIADH (syndrome of Beregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE 	rosis. nd starvation. e. ecreased ureas (urea rather the imonemias (ur of inappropiate 10:1) WITH INC apy (accelerate eleases muscl who develop b; sis (acetoacet icreased BUN/ rapy (interfere JLAR FILTERAT	synthesis. an creatinine diffuses ou ea is virtually absent in k e antidiuretic harmone) c REASED CREATININE: is conversion of creatine e creatinine). renal failure. ate causes false increase creatinine ratio). s with creatinine measur ION RATE: DESCRIPTION	blood). due to tubular si to creatinine). e in creatinine w ement). GFR (mL/m	ecretion of urea. with certain methodo	SSOCIATED FINDINGS	al ratio when dehydratio
G1		ormal kidney function		90	No proteinuria	4
G2		Kidney damage with normal or high GFR	>		Presence of Protein , bumin or cast in urine	
G3a		Vild decrease in GFR	60	-89	Dumini of Cast III ULITE	1
G3b		oderate decrease in GFR		-59		1
		avera degrages in CED		20		1

0.136	
te de la	197.19
法自己的	960 B
円の口	300
14 Linn	- 2 S m
Hintania Hintania	C2262
	17 1 1 7

G4

G5

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

Severe decrease in GFR

Kidney failure

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

15-29

<15









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholo		(Pathology)
NAME	: Mrs. RENU WADHWA		
AGE/ GENDER	: 63 YRS/FEMALE	PATIENT ID	: 1393430
COLLECTED BY	:	REG. NO./LAB NO.	: 042409120002
REFERRED BY	:	REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478	COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 12/Sep/2024 12:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	TT	
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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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)

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







	Chairman & Consulta	ant Pathologis	st CEO & Consultant	Pathologist
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE		PATIENT ID	: 1393430
COLLECTED BY	:		REG. NO./LAB NO.	: 042409120002
REFERRED BY	:		REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478		COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 12/Sep/2024 12:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		ENDO	RINOLOGY	
	THY	ROID FUN	CTION TEST: TOTAL	
TRIIODOTHYRONIN by CMIA (CHEMILUMII	E (T3): SERUM Nescent microparticle immunoassay	1.201 1	ng/mL	0.35 - 1.93
	RUM NESCENT MICROPARTICLE IMMUNOASSAY	8.56 1	μgm/dL	4.87 - 12.60
THYROXINE (T4): SE by CMIA (CHEMILUMII	ING HORMONE (TSH): SERUM	1.985	μlU/mL	0.35 - 5.50

overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (eg: phenytoin , salicylates).

3. Serum T4 levies in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHY	(RONINE (T3)	THYROX	NE (T4)	THYROID STIMULATING HORMONE (TSH)		
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (μIU/mL)	
0-7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3	
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00	
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40	





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

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







	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mrs. RENU WADHWA		
AGE/ GENDER	: 63 YRS/FEMALE	PATIENT ID	: 1393430
COLLECTED BY	:	REG. NO./LAB NO.	: 042409120002
REFERRED BY	:	REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478	COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 12/Sep/2024 12:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
Test Name	Value	Unit	Biological Reference interval

Test Name			Value	Unit		Biological Reference inter
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35- 5.50	
	RECO	VIMENDATIONS OF TSH LI	EVELS DURING PREC	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

INCREASED TSH LEVELS:

1. Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, idonie containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4.Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester



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







NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE	PAT	IENT ID	: 1393430
COLLECTED BY	:	REG.	NO./LAB NO.	: 042409120002
REFERRED BY	:	REG	STRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478	COLL	LECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REP	DRTING DATE	: 12/Sep/2024 12:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	IN	IMUNOPATHOLO	GY/SEROLOGY	
		C-REACTIVE PRO	TEIN (CRP)	
	N (CRP) QUANTITATIVE:	5.75	mg/L	0.0 - 6.0

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.





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

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







		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE	PATI	ENT ID	: 1393430
COLLECTED BY	:	REG.	NO./LAB NO.	: 042409120002
REFERRED BY	:	REGI	STRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478	COLL	ECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHE	BAD Rep (DRTING DATE	: 12/Sep/2024 11:42AM
	· 6349/1 NICHOLSON RO	AD AMBALA CANTT		
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT Value	Unit	Biological Reference interva
CLIENT ADDRESS	: 6349/1, NICHOLSON RO.			Biological Reference interva
CLIENT ADDRESS	10	Value		Biological Reference interva 1 : 80
CLIENT ADDRESS Test Name SALMONELLA TYPH by SLIDE AGGLUTINA	10 атіол 1 Н	Value WIDAL SLIDE AGGLU	TINATION TEST	
CLIENT ADDRESS Test Name SALMONELLA TYPH by SLIDE AGGLUTINA SALMONELLA TYPH	I О атіол I Н атіол ТҮРНІ АН	Value WIDAL SLIDE AGGLU 1 : 40	TINATION TEST TITRE	1 : 80

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION:

1. Titres of 1:80 or more for "O" agglutinin is considered significant.

2. Titres of 1:160 or more for "H" agglutinin is considered significant.

LIMITATIONS:

1.Agglutinins usually appear by 5th to 6th day of illness of enteric fever, hence a negative result in early stage is inconclusive. The titre then rises till 3rd or 4th week, after which it declines gradually.

2.Lower titres may be found in normal individuals.

3.A single positive result has less significance than the rising agglutination titre, since demonstration of rising titre four or more in 1st and 3rd week is considered as a definite evidence of infection.

4.A simultaneous rise in H agglutinins is suggestive of paratyphoid infection.

NOTE:

1. Individuals with prior infection or immunization with TAB vaccine may develop an ANAMNESTIC RESPONSE (False-Positive) during an unrelated fever i.e High titres of antibodies to various antigens. This may be differentiated by repitition of the test after a week.

2. The anamnestic response shows only a transient rise, while in enteric fever rise is sustained.

3.H agglutinins tend to persist for many months after vaccination but O agglutinins tend to disappear sooner i.e within 6 months. Therefore rise in Oagglutinins indicate recent infection.





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Chairman & Cons	ultant Pathologi	st CEO & Consultant	Pathologist
NAME	: Mrs. RENU WADHWA			
GE/ GENDER	: 63 YRS/FEMALE		PATIENT ID	: 1393430
COLLECTED BY	:		REG. NO./LAB NO.	: 042409120002
REFERRED BY	:		REGISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465478		COLLECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 12/Sep/2024 12:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	Г	
Test Name		Value	Unit	Biological Reference interval
		VI	TAMINS	
	VIT		IYDROXY VITAMIN D3	
/ITAMIN D (25-HYDI	ROXY VITAMIN D3): SERUM	57.7	ng/mL	DEFICIENCY: < 20.0
	ESCENCE IMMUNOASSAY)	07.7	rig/ rite	INSUFFICIENCY: 20.0 - 30.0
				SUFFICIENCY: 30.0 - 100.0
				TOXICITY: > 100.0
<u>NTERPRETATION:</u> DEFI	CIENT:	< 20	n	g/mL
INSUF	FICIENT:	21 - 29	n	g/mL
	ED RANGE: CATION:	30 - 100 > 100		g/mLg/mL
conversion of 7- dihy 2.25-OHVitamin D re sissue and tightly bou	drocholecalciferol to Vitamin D3 epresents the main body resevoir and by a transport protein while rimary role in the maintenance c ion, skeletal calcium deposition,	in the skin upor and transport in circulation. of calcium home calcium mobiliz	n Ultraviolet exposure. form of Vitamin D and trans costatis. It promotes calciur ation, mainly regulated by	lecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults.





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

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







NAME : N	Chairman & Consulta	a robiology) nt Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
	Irs. RENU WADHWA			
AGE/ GENDER : 6	3 YRS/FEMALE	PATI	ENT ID	: 1393430
COLLECTED BY :		REG.	NO./LAB NO.	: 042409120002
REFERRED BY :		REGI	STRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO. : A	0465478	COLL	ECTION DATE	: 12/Sep/2024 11:22AM
CLIENT CODE. : K	OS DIAGNOSTIC SHAHBAD	REPO	RTING DATE	: 12/Sep/2024 12:49PM
	349/1, NICHOLSON ROAD, AME			
CLIENT ADDRESS . 0	5457 1, MCHOLSON ROAD, AML			
Test Name		Value	Unit	Biological Reference interval
VITAMIN B12/COBALAM by CMIA (CHEMILUMINESC IMMUNOASSAY) INTERPRETATION:-		> 2000 ^H	pg/mL	190.0 - 890.0
INCREASED V	ITAMIN B12		DECREASED VITAMIN	NB12
1.Ingestion of Vitamin C		1.Pregnancy		
2.Ingestion of Estrogen		2.DRUGS:Aspir	, Colchicine	
3.Ingestion of Vitamin A		3.Ethanol Igestion		
			e Harmones	
4.Hepatocellular injury		5.Haemodialysis		
	order	6. Multiple My		

5. Vitamin B12 deficiency frequently causes macrocytic anemia, glossitis, peripheral neuropathy, weakness, hyperreflexia, ataxia, loss of proprioception, poor coordination, and affective behavioral changes. These manifestations may occur in any combination; many patients have the neurologic defects without macrocytic anemia.

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states.

7. Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. NOTE: A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.



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

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 Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mrs. RENU WADHWA			
AGE/ GENDER	: 63 YRS/FEMALE	PA	TIENT ID	: 1393430
COLLECTED BY	:	REG. NO./LAB NO.		: 042409120002
REFERRED BY			GISTRATION DATE	: 12/Sep/2024 10:47 AM
BARCODE NO.	: A0465480		LLECTION DATE	: 12/Sep/2024 11:27AM
				-
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, A	REPORTING DATE : 12/Sep/2024 12:01PM MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINE RO	DUTINE & MICRO	SCOPIC EXAMINAT	ΓΙΟΝ
PHYSICAL EXAMINA				
		10	ml	
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
TRANSPARANCY		CLEAR		CLEAR
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY		1.02		1.002 - 1.030
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1.02		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
PROTEIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Nogotivo		
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
pH		<=5.0		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
BILIRUBIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		Negative		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		N		
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
ASCORBIC ACID		NEGATIVE (-ve	e)	NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				

MICROSCOPIC EXAMINATION



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

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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME : Mrs. RENU WADHWA AGE/ GENDER **PATIENT ID** :1393430 : 63 YRS/FEMALE **COLLECTED BY** :042409120002 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 12/Sep/2024 10:47 AM : **BARCODE NO.** : A0465480 **COLLECTION DATE** :12/Sep/2024 11:27AM **CLIENT CODE.** : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** :12/Sep/2024 12:01PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval**

Dr. Vinay Chopra MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/HPF	0 - 3
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	1-3	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS	2-4	/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			
OTHERS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			

*** End Of Report ***





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

