



	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. NEETA SHARMA : 72 YRS/FEMALE : SURJESH : : 01516429 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AM		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1603945 : 012409060046 : 06/Sep/2024 12:05 PM : 06/Sep/2024 12:12PM : 06/Sep/2024 12:43PM
Test Name		Value	Unit	Biological Reference interval
	SWA	STHYA WE	LLNESS PANEL: 1.0	
	CO	MPLETE BLC	DOD COUNT (CBC)	
RED BLOOD CELLS (RI	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.2 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RBC	C) COUNT	3.89	Millions/cr	mm 3.50 - 5.00
by HYDRO DYNAMIC FO	CUSING, ELECTRICAL IMPEDENCE	o 4 7	%	37.0 - 50.0
	UTOMATED HEMATOLOGY ANALYZER			
MEAN CORPUSCULAR	VOLUME (MCV)	89.3	fL	80.0 - 100.0
MEAN CORPUSCULAR	R HAEMOGLOBIN (MCH)	28.7	pg	27.0 - 34.0
-	HEMOGLOBIN CONC. (MCHC)	32.2	g/dL	32.0 - 36.0
by CALCULATED BY AU	ITOMATED HEMATOLOGY ANALYZER			
	ON WIDTH (RDW-CV)	14.4	%	11.00 - 16.00
RED CELL DISTRIBUTI	ON WIDTH (RDW-SD)	47.9	fL	35.0 - 56.0
by CALCULATED BY AU MENTZERS INDEX	ITOMATED HEMATOLOGY ANALYZER	22.96	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED		22.70	KATIO	IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX		32.95	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
by CALCULATED WHITE BLOOD CELLS	(WBCS)			IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE CO		5600	/cmm	4000 - 11000
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY			
NUCLEATED RED BLO by AUTOMATED 6 PAR	OD CELLS (nRBCS) <i>T HEMATOLOGY ANALYZER</i>	NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) %	NIL	%	< 10 %
by CALCULATED BY AU DIFFERENTIAL LEUCO	ITOMATED HEMATOLOGY ANALYZER CYTE COUNT (DLC)			
NEUTROPHILS		67	%	50 - 70
	BY SF CUBE & MICROSCOPY			



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

Page 1 of 14





Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. NEETA SHARMA AGE/ GENDER : 72 YRS/FEMALE **PATIENT ID** :1603945 **COLLECTED BY** : SURJESH :012409060046 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :06/Sep/2024 12:05 PM **BARCODE NO.** :01516429 **COLLECTION DATE** :06/Sep/2024 12:12PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :06/Sep/2024 12:43PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 20 - 40 24 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 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 3752 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT 1344 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 112 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 392 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. 292000 150000 - 450000 PLATELET COUNT (PLT) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.33 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 11 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 105000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 35.8 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) % 15.0 - 17.0 16.4 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		Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mrs. NEETA SHARMA			
AGE/ GENDER	: 72 YRS/FEMALE	PAT	IENT ID	: 1603945
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012409060046
REFERRED BY	:	REG	STRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429	COLL	LECTION DATE	:06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	DRTING DATE	: 06/Sep/2024 12:55PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMEN	TATION RATE (ESR	2)
by MODIFIED WESTE	MENTATION RATE (ESR)	29 ^H	mm/1st h	r 0-20
INTERPRETATION:		Charles the all states a discussion	coconco of inflammativ	on associated with infection, cancer and auto

CONDITION WITH LOW ESR

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

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.

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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







		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. NEETA SHARMA			
AGE/ GENDER	: 72 YRS/FEMALE	PAT	IENT ID	: 1603945
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012409060046
REFERRED BY	:	REG	ISTRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429	COL	LECTION DATE	:06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	:06/Sep/202401:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CL	INICAL CHEMISTRY	/BIOCHEMISTRY	Y
		GLUCOSE FAS	TING (F)	
GLUCOSE FASTING (F by glucose oxidas): PLASMA e - peroxidase (god-pod)	89.02	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
 A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients.
 A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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 4 of 14





	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. NEETA SHARMA			
AGE/ GENDER	: 72 YRS/FEMALE	РАТ	TENT ID	: 1603945
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	: 012409060046
REFERRED BY	:	REG	ISTRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429	COL	LECTION DATE	: 06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 06/Sep/2024 01:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E : BASIC	
CHOLESTEROL TOTA	L: SERUM	185.43	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	(IDASE PAP		Ĵ	BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSP	'UM HATE OXIDASE (ENZYMATIC)	75.14	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (by SELECTIVE INHIBIT		73.52	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0
		0/ 00		HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL: S by CALCULATED, SPE		96.88	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		111.91	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: by CALCULATED, SPE		15.03	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUI	N	446	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL I by CALCULATED, SPE	ratio: serum	2.52	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		1.32	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)

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, HaryanaKOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Chopra y & Microbiology) consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. NEETA SHARMA			
AGE/ GENDER	: 72 YRS/FEMALE	PATI	ENT ID	: 1603945
COLLECTED BY	: SURJESH	REG. I	NO./LAB NO.	: 012409060046
REFERRED BY	:	REGIS	TRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429	COLL	ECTION DATE	:06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 06/Sep/2024 01:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	1.02 ^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.

 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 Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. NEETA SHARMA AGE/ GENDER : 72 YRS/FEMALE **PATIENT ID** :1603945 **COLLECTED BY** : SURJESH :012409060046 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :06/Sep/2024 12:05 PM **BARCODE NO.** :01516429 **COLLECTION DATE** :06/Sep/2024 12:12PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :06/Sep/2024 01:11PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.63 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.17 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.46 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 19.1 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 10.2 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 1.87 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY ALKALINE PHOSPHATASE: SERUM U/L 40.0 - 130.0 82.64 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL U/L GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 16.08 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 6.46 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 4.21 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** gm/dL 2.30 - 3.50 2.25^L by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.87 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)





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

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





	Dr. Vinay Ch MD (Pathology & Chairman & Cons	Microbiology)	gam Chopra MD (Pathology) Itant Pathologist
NAME	: Mrs. NEETA SHARMA		
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT ID	: 1603945
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012409060046
REFERRED BY	:	REGISTRATION DAT	E : 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429	COLLECTION DATE	:06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:06/Sep/202401:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	
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 Ch MD (Pathology & Chairman & Con			(Pathology)
NAME	: Mrs. NEETA SHARMA			
AGE/ GENDER	: 72 YRS/FEMALE		PATIENT ID	: 1603945
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012409060046
REFERRED BY	:		REGISTRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429		COLLECTION DATE	:06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 06/Sep/2024 01:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
				/
Test Name		Value	Unit	Biological Reference interval
	кі	DNEY FUNCTIO	ON TEST (COMPLETE)	
UREA: SERUM		25.91	mg/dL	10.00 - 50.00
-	ATE DEHYDROGENASE (GLDH)	0.74		
CREATININE: SERUN by ENZYMATIC, SPEC		0.71	mg/dL	0.40 - 1.20
BLOOD UREA NITRO	GEN (BUN): SERUM	12.11	mg/dL	7.0 - 25.0
by CALCULATED, SPE		17.0/	DATIO	10.0. 20.0
RATIO: SERUM	GEN (BUN)/CREATININE	17.06	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
		36.49	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	CIROPHOIOMEIRY	3.63	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	E PEROXIDASE		ing, at	2.00 0.00
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	9.5	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER		3.16	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
SODIUM: SERUM		138.2	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERUM		4.52	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				
CHLORIDE: SERUM by ISE (ION SELECTIV		103.65	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	90.3		
(eGFR): SERUM				
by CALCULATED				

by CALCULATED **INTERPRETATION:**

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.



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

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

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







	Dr. Vinay Chopi MD (Pathology & Mic Chairman & Consulta	crobiology)	fugam Chopra MD (Pathology) sultant Pathologist	
NAME	: Mrs. NEETA SHARMA			
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT ID	: 1603945	
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	:012409060046	
REFERRED BY	:	REGISTRATION D	ATE : 06/Sep/2024 12:05	5 PM
BARCODE NO.	: 01516429	COLLECTION DAT	E : 06/Sep/2024 12:12	2PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 06/Sep/2024 01:20)PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value Uni	t Biological	Reference interval
1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin the ESTIMATED GLOMERI G1 G1	nd starvation. e. creased urea synthesis. (urea rather than creatinine diffuses imonemias (urea is virtually absent in of inappropiate antidiuretic harmone 10:1) WITH INCREASED CREATININE: upy (accelerates conversion of creatir eleases muscle creatinine). who develop renal failure.	than creatinine) (e.g. obstructive out of extracellular fluid). n blood).) due to tubular secretion of urea ne to creatinine). use in creatinine with certain meth urement). GFR (mL/min/1.73m2) >90 >90	· · ·	l ratio when dehydratio
G3a G3b	Mild decrease in GFR Moderate decrease in GFR	60 -89 R 30-59		
G35 G4	Severe decrease in GFR	15-29		
C		15		1

G5





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

Kidney failure

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

<15

 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 & Microbiolo Chairman & Consultant Path	C/ /	(Pathology)
NAME	: Mrs. NEETA SHARMA		
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT ID	: 1603945
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012409060046
REFERRED BY	:	REGISTRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	: 01516429	COLLECTION DATE	:06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 06/Sep/2024 01:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	ANTT	
Test Name	Value	e 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





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







NAME	: Mrs. NEETA SHARMA	nsultant Pathologist	CEO & Consultant	o
AGE/ GENDER	: 72 YRS/FEMALE	PATI	ENT ID	: 1603945
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012409060046
REFERRED BY	:	REGI	STRATION DATE	: 06/Sep/2024 12:05 PM
BARCODE NO.	:01516429	COLI	ECTION DATE	: 06/Sep/2024 12:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	:06/Sep/202401:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	IN	IMUNOPATHOLO	31/ JLKOLOGI	
	IN	C-REACTIVE PRO		
C-REACTIVE PROTEI	IN (CRP) QUANTITATIVE:			0.0 - 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant rejection, and to monitor these inflammatory processes.

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)



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





Dr. Vinay Ch MD (Pathology & Chairman & Cons		Microbiology) MI		m Chopra D (Pathology) nt Pathologist		
NAME	: Mrs. NEETA SHARMA					
AGE/ GENDER	: 72 YRS/FEMALE	PATI	ENT ID	: 1603945		
COLLECTED BY	: SURJESH	REG. NO./LAB NO.		: 012409060046		
REFERRED BY	:	REGISTRATION DATE		: 06/Sep/2024 12:05 PM		
BARCODE NO.	:01516429		ECTION DATE	: 06/Sep/2024 12:12PM		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE		: 06/Sep/2024 12:54PM		
CLIENT CODE. : ROS DIAGNOSTIC LAI CLIENT ADDRESS : 6349/1, NICHOLSON						
Test Name		Value	Unit	Biological Reference interval		
		CLINICAL PATH	HOLOGY			
	URINE R	OUTINE & MICROS	OPIC EXAMINAT	ΓΙΟΝ		
PHYSICAL EXAMINA						
QUANTITY RECIEVE		10	ml			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		10				
COLOUR		PALE YELLOW		PALE YELLOW		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		HAZY		CLEAR		
SPECIFIC GRAVITY		>=1.030		1.002 - 1.030		
	TANCE SPECTROPHOTOMETRY					
CHEMICAL EXAMINA	ATION					
REACTION		ACIDIC				
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
PROTEIN		Negative		NEGATIVE (-ve)		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR		Negative		NEGATIVE (-ve)		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		regativo				
рН		<=5.0		5.0 - 7.5		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Nogethie				
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)		
NITRITE		Negative		NEGATIVE (-ve)		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		, i i i i i i i i i i i i i i i i i i i				
		Normal	EU/dL	0.2 - 1.0		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES		Negative		NEGATIVE (-ve)		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		riegative				
BLOOD		Negative		NEGATIVE (-ve)		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	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

NAME	: Mrs. NEETA SHARMA					
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT ID		: 1603945		
COLLECTED BY : SURJESH		REG. NO./LAB NO.		: 012409060046		
REFERRED BY	:	REGISTRATION DATE		: 06/Sep/2024 12:05 PM		
BARCODE NO. : 01516429		COLLECTION DATE		:06/Sep/2024 12:12PM		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE		: 06/Sep/2024 12:54PM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT					
Test Name		Value	Unit	Biological Reference interval		
RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)	/HPF	0 - 3		
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		2-4	/HPF	0 - 5		
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		3-5	/HPF	ABSENT		
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)		
CASTS		NEGATIVE (-ve)		NEGATIVE (-ve)		

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)

ABSENT





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



NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT