

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Mici Chairman & Consultai	robiology)		(Pathology)
NAME : N	Irs. SHOBHA RANI			
AGE/ GENDER : 5	9 YRS/FEMALE	]	PATIENT ID	: 1785134
COLLECTED BY :		]	REG. NO./LAB NO.	: 012503100005
<b>REFERRED BY</b> :		]	REGISTRATION DATE	: 10/Mar/2025 07:59 AM
	1526836		COLLECTION DATE	: 10/Mar/2025 08:51AM
	OS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 08:45AM
CLIENT ADDRESS : 6	349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWAST	HYA WEI	LNESS PANEL: 1.0	)
			OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES		(,	
HAEMOGLOBIN (HB)		10.5 <sup>L</sup>	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RBC	) COUNT	4.03	Millions/	cmm 3.50 - 5.00
by HYDRO DYNAMIC FOCU	SING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUME	(PCV) MATED HEMATOLOGY ANALYZER	33.2 <sup>L</sup>	%	37.0 - 50.0
MEAN CORPUSCULAR V		82.4	fL	80.0 - 100.0
MEAN CORPUSCULAR I		26.1 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCULAR I	HEMOGLOBIN CONC. (MCHC) MATED HEMATOLOGY ANALYZER	31.6 <sup>L</sup>	g/dL	32.0 - 36.0
RED CELL DISTRIBUTIO		15.9	%	11.00 - 16.00
RED CELL DISTRIBUTI		49.2	fL	35.0 - 56.0
MENTZERS INDEX		20.45	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED		32.57	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE CO by FLOW CYTOMETRY BY		6500	/cmm	4000 - 11000
NUCLEATED RED BLOO		NIL		0.00 - 20.00
by ALITOMATED & DADT III	IVIA I ULUG I ANAL IZEK			





**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. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SHOBHA RANI AGE/ GENDER : 59 YRS/FEMALE **PATIENT ID** :1785134 **COLLECTED BY** :012503100005 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 10/Mar/2025 07:59 AM **BARCODE NO.** :01526836 **COLLECTION DATE** : 10/Mar/2025 08:51AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 10/Mar/2025 08:45AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 66 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 23 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** 4290 ABSOLUTE NEUTROPHIL COUNT 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1495 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 325 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 390 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE IMMATURE GRANULOCYTE COUNT 0.0 - 999.00 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 182000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.24% 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 13<sup>H</sup> fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 90000 /cmm 30000 - 90000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) % 11.0 - 45.0 49.5<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 17 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

Dr. Vinay Chopra



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

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







	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiolo Chairman & Consultant Path	0,7	(Pathology)
NAME	: Mrs. SHOBHA RANI		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1785134
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012503100005
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 10/Mar/2025 07:59 AM
BARCODE NO.	: 01526836	<b>COLLECTION DATE</b>	: 10/Mar/2025 08:51AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 10/Mar/2025 08:45AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	e Unit	Biological Reference interval

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: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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







	<b>Dr. Vinay Chop</b> MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultan	(Pathology)
AME	: Mrs. SHOBHA RANI			
GE/ GENDER	: 59 YRS/FEMALE	РАТ	IENT ID	: 1785134
<b>OLLECTED BY</b>	:	REG	. NO./LAB NO.	: 012503100005
EFERRED BY	:	REG	ISTRATION DATE	: 10/Mar/2025 07:59 AM
ARCODE NO.	:01526836	COL	LECTION DATE	: 10/Mar/2025 08:51AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 10/Mar/2025 09:30AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Fest Name		Value	Unit	<b>Biological Reference interval</b>
. An ESR can be affe s C-reactive proteir . This test may also ystemic lupus eryth ONDITION WITH LO	be used to monitor disease activity ematosus	lammation. For thi and response to th ormal sedimentatio	s reason, the ESR is ty erapy in both of the a n of red blood cells, s	picallý used in conjunction with other test such above diseases as well as some others, such as





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

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







			& Microbiology) nsultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist
NAME	: Mrs. SHOBHA	RANI			
AGE/ GENDER	: 59 YRS/FEMA	LE	P	ATIENT ID	: 1785134
COLLECTED BY	:		F	EG. NO./LAB NO.	: 012503100005
REFERRED BY	:		F	EGISTRATION DATE	: 10/Mar/2025 07:59 AM
BARCODE NO.	:01526836		C	OLLECTION DATE	: 10/Mar/2025 08:51AM
CLIENT CODE.	: KOS DIAGNOS	TIC LAB	R	EPORTING DATE	: 10/Mar/2025 10:12AM
CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD,	AMBALA CANTT		
Test Name			Value	Unit	<b>Biological Reference interval</b>
		CLINIC	CAL CHEMIST	RY/BIOCHEMIST	'RY
			GLUCOSE H	ASTING (F)	
GLUCOSE FASTIN	G (F): PLASMA Se - peroxidase (G		111.58 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

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 text (after consumption of 75 gms of glucose) is recommended for all such patients.

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.





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



Page 5 of 14





		<b>Chopra</b> & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
IAME	: Mrs. SHOBHA RANI			
GE/ GENDER	: 59 YRS/FEMALE	I	PATIENT ID	: 1785134
COLLECTED BY	:	I	REG. NO./LAB NO.	: 012503100005
REFERRED BY	:	I	REGISTRATION DATE	: 10/Mar/2025 07:59 AM
BARCODE NO.	: 01526836	(	COLLECTION DATE	: 10/Mar/2025 08:51AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	I	REPORTING DATE	: 10/Mar/2025 11:02AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT	AL: SERUM	177.96	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		111.00	ing, all	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				HIGH CHOLESTEROL: > 0R = 240.0
TRIGLYCERIDES: SH		128.14	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
IDL CHOLESTEROI by SELECTIVE INHIBITI	L (DIRECT): SERUM	53.36	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
by delet in the intribition				60.0
				HIGH HDL: $> OR = 60.0$
DL CHOLESTEROL		98.97	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
», on 2002, n 20, or 2				BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
ION HDL CHOLEST	EROL: SERUM	124.6	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CTROPHOTOMETRY		Ű	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0
		95.00	TL / 1	VERY HIGH: $> OR = 220.0$
LDL CHOLESTERO		25.63	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER		484.06	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HD		3.34	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE		0.01		AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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.





		hopra & Microbiology) onsultant Patholog		(Pathology)
NAME	: Mrs. SHOBHA RANI			
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1785134
COLLECTED BY	:		REG. NO./LAB NO.	: 012503100005
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 10/Mar/2025 07:59 AM
BARCODE NO.	:01526836		COLLECTION DATE	: 10/Mar/2025 08:51AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 10/Mar/2025 11:02AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANT	Т	
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		1.85	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.4 <sup>L</sup>	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





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







	<b>Dr. Vinay Chop</b> MD (Pathology & Mid Chairman & Consulta	crobiology)		(Pathology)
NAME	: Mrs. SHOBHA RANI			
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1785134
COLLECTED BY	:		REG. NO./LAB NO.	: 012503100005
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 10/Mar/2025 07:59 AM
BARCODE NO.	: 01526836		COLLECTION DATE	: 10/Mar/2025 08:51AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 10/Mar/2025 10:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANT	Т	
Test Name		Value	Unit	<b>Biological Reference interval</b>
	: SERUM PECTROPHOTOMETRY	0.91	<b>DN TEST (COMPLETE)</b> mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.24	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.67	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[ /RIDOXAL PHOSPHATE	19.44	U/L	7.00 - 45.00
SGPT/ALT: SERUM		17.96	U/L	0.00 - 49.00
AST/ALT RATIO: S		1.08	RATIO	0.00 - 46.00
ALKALINE PHOSPI		77	U/L	40.0 - 150.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM PHTOMETRY	15	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.13	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.31	gm/dL	3.50 - 5.50
GLOBULIN: SERUN		2.82	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.53	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)

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 & Consultan	obiology) MD	(Pathology)
NAME	: Mrs. SHOBHA RANI		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1785134
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012503100005
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 10/Mar/2025 07:59 AM
BARCODE NO.	: 01526836	COLLECTION DATE	: 10/Mar/2025 08:51AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 10/Mar/2025 10:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	

#### 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

an

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 & Chairman & Const		Microbiology) MD (		Pathology)	
NAME	: Mrs. SHOBHA RANI				
AGE/ GENDER	: 59 YRS/FEMALE	Р	ATIENT ID	: 1785134	
COLLECTED BY	:	R	EG. NO./LAB NO.	: 012503100005	
<b>REFERRED BY</b>	:	R	EGISTRATION DATE	: 10/Mar/2025 07:59 AM	
BARCODE NO.	: 01526836	C	OLLECTION DATE	: 10/Mar/2025 08:51AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 10/Mar/2025 10:35AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
UREA: SERUM	KIDNE	EY FUNCTION 24.93	[ <b>TEST (COMPLETE</b> ) mg/dL	<b>)</b> 10.00 - 50.00	
	ATE DEHYDROGENASE (GLDH)	24.00	ing/ ull	10.00 00.00	
CREATININE: SERU		0.76	mg/dL	0.40 - 1.20	
BLOOD UREA NITR by CALCULATED, SPE	COGEN (BUN): SERUM	11.65	mg/dL	7.0 - 25.0	
BLOOD UREA NITE RATIO: SERUM by Calculated, spe	COGEN (BUN)/CREATININE	15.33	RATIO	10.0 - 20.0	
UREA/CREATININ		32.8	RATIO		
URIC ACID: SERUM		4.9	mg/dL	2.50 - 6.80	
CALCIUM: SERUM by ARSENAZO III, SPE		9.1	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE		3.47	mg/dL	2.30 - 4.70	
<u>ELECTROLYTES</u>					
SODIUM: SERUM by ISE (ION SELECTIV	'E ELECTRODE)	142.3	mmol/L	135.0 - 150.0	
POTASSIUM: SERUI		4.58	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM by ISE (ION SELECTIV		106.73	mmol/L	90.0 - 110.0	

# **ESTIMATED GLOMERULAR FILTERATION RATE**

## **INTERPRETATION:**

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.

4. High protein intake.

5. Impaired renal function plus

6. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet,



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

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

DR.YUGAM CHOPPA

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

Page 10 of 1

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					
NAME	: Mrs. SHOBHA RANI					
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1785134		
COLLECTED BY	:		REG. NO./LAB NO.	:012503100005		
REFERRED BY			REGISTRATION DAT		59 AM	
BARCODE NO.	: 01526836		COLLECTION DATE	: 10/Mar/2025 08:5		
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 10:3		
			REPORTING DATE	. 10/ Mai/ 2025 10.5	55AIM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT				
Test Name		Value	Unit	Biologica	l Reference interval	
5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 3. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in	sis (acetoacetate causes false i creased BUN/creatinine ratio).	sent in blood). mone) due to tubul INE: reatine to creatinin ncrease in creatinir	ar secretion of urea. e).	odologies,resulting in norma	al ratio when dehydratio	
2. Cephalosporin thei ESTIMATED GLOMERU	apy (interferes with creatinine <b>JLAR FILTERATION RATE</b> :	measurement).				
CKD STAGE	DESCRIPTION		L/min/1.73m2)	ASSOCIATED FINDINGS		
<u>G1</u>	Normal kidney fun		>90	No proteinuria	4	
G2	Kidney damage w normal or high G		>90	Presence of Protein , Albumin or cast in urine		
G3a	Mild decrease in		60 -89		-	
001			00 50			

KOS Diagnostic Lab (A Unit of KOS Healthcare)



G3b

G4

G5



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

Moderate decrease in GFR Severe decrease in GFR

Kidney failure

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

30-59

15-29

<15







: 01526836 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBAL4	COLLECTION DATE REPORTING DATE A CANTT	: 10/Mar/2025 08:51AM : 10/Mar/2025 10:35AM
: KOS DIAGNOSTIC LAB	REPORTING DATE	
: 01526836	COLLECTION DATE	: 10/Mar/2025 08:51AM
:	<b>REGISTRATION DATE</b>	: 10/Mar/2025 07:59 AM
:	<b>REG. NO./LAB NO.</b>	: 012503100005
: 59 YRS/FEMALE	PATIENT ID	: 1785134
: Mrs. SHOBHA RANI		
		0 (Pathology) t Pathologist
Dr. Vinay Chopra	Dr. Yugan	
	MD (Pathology & Microbi Chairman & Consultant P. : Mrs. SHOBHA RANI : 59 YRS/FEMALE : :	MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant : Mrs. SHOBHA RANI : 59 YRS/FEMALE PATIENT ID : REG. NO./LAB NO. : REGISTRATION DATE

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







	& Microbiology)	Dr. Yugan MD O & Consultant	(Pathology)
NAME : Mrs. SHOBHA RANI			
AGE/ GENDER : 59 YRS/FEMALE	PATIENT I	D	: 1785134
COLLECTED BY :	<b>REG. NO.</b> /1	LAB NO.	: 012503100005
REFERRED BY :	REGISTRA	TION DATE	: 10/Mar/2025 07:59 AM
<b>BARCODE NO.</b> : 01526836	COLLECTI	ON DATE	: 10/Mar/2025 08:51AM
<b>CLIENT CODE.</b> : KOS DIAGNOSTIC LAB	REPORTIN	IG DATE	: 10/Mar/2025 09:51AM
<b>CLIENT ADDRESS</b> : 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name	Value	Unit	<b>Biological Reference interval</b>
	CLINICAL PATHO	LOGY	
URINE R	OUTINE & MICROSCOP	IC EXAMIN	ATION
PHYSICAL EXAMINATION			
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 CHEMICAL EXAMINATION			
REACTION	ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
by DIP STICKREFECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EXAMINATION	NECATIVE ()	/HPF	0.2
RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/ ПРГ	0 - 3



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.



NANCE



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

CHODILA DANI

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

NAME	: Mrs. SHUBHA KANI			
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1785134
<b>COLLECTED BY</b>	:		<b>REG. NO./LAB NO.</b>	: 012503100005
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 10/Mar/2025 07:59 AM
BARCODE NO.	: 01526836		<b>COLLECTION DATE</b>	: 10/Mar/2025 08:51AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 10/Mar/2025 09:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		1-3	/HPF	0 - 5

by MICROSCOPY ON CEN	TRIFUGED URINARY SEDIMENT	10	/ 111 1	0 0
EPITHELIAL CELLS by MICROSCOPY ON CEN	TRIFUGED URINARY SEDIMENT	2-4	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CEN	TRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CEN	TRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CEN	TRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CEN	TRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGIN by MICROSCOPY ON CEN	VALIS (PROTOZOA) trifuged urinary sediment	ABSENT		ABSENT

\*\* End Of Report \*\*\*



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

