



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam MD ( CEO & Consultant	Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE.	: Mrs. SHAMA CHALANA : 77 YRS/FEMALE : SURJESH : : 01523551 : KOS DIAGNOSTIC LAB	R C R	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1717960 <b>: 012501070005</b> : 07/Jan/2025 09:09 AM : 07/Jan/2025 09:39AM : 07/Jan/2025 09:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB			
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWAST	HYA WEL	LNESS PANEL: 1.0	
			OD COUNT (CBC)	
ED BLOOD CELLS	(RBCS) COUNT AND INDICES			
IAEMOGLOBIN (HB		12.4	gm/dL	12.0 - 16.0
by CALORIMETRIC CED BLOOD CELL (R	BC) COUNT	4.69	Millions/o	cmm 3.50 - 5.00
	CUSING, ELECTRICAL IMPEDENCE	40.5	%	37.0 - 50.0
by CALCULATED BY AU	TOMATED HEMATOLOGY ANALYZER			
IEAN CORPUSCULA by calculated by au	R VOLUME (MCV) ITOMATED HEMATOLOGY ANALYZER	86.3	fL	80.0 - 100.0
	R HAEMOGLOBIN (MCH)	26.4 <sup>L</sup>	pg	27.0 - 34.0
IEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC)	30.7 <sup>L</sup>	g/dL	32.0 - 36.0
RED CELL DISTRIBU	TOMATED HEMATOLOGY ANALYZER TION WIDTH (RDW-CV)	14.3	%	11.00 - 16.00
	TOMATED HEMATOLOGY ANALYZER TION WIDTH (RDW-SD)	46.1	fL	35.0 - 56.0
by CALCULATED BY AU	TOMATED HEMATOLOGY ANALYZER			
MENTZERS INDEX		18.4	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDI by calculated WHITE BLOOD CEL		26.27	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE		7060	/cmm	4000 - 11000
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY OOD CELLS (nRBCS)	NIL	,	0.00 - 20.00
		INIL		0.00 - 20.00
by AUTOMATED 6 PART	.OOD CELLS (nRBCS) %	NIL	%	< 10 %





**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. Yugam Chopra

MD (Pathology)

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SHAMA CHALANA AGE/ GENDER : 77 YRS/FEMALE **PATIENT ID** :1717960 **COLLECTED BY** :012501070005 : SURJESH REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :07/Jan/2025 09:09 AM : **BARCODE NO.** :01523551 **COLLECTION DATE** :07/Jan/2025 09:39AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :07/Jan/202509:51AM **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 24% 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 4 % 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** ABSOLUTE NEUTROPHIL COUNT 4660 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1694 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 282 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 424 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 200000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.27 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 14<sup>H</sup> fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 99000<sup>H</sup> 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 49.4<sup>H</sup> 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.6% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

Dr. Vinay Chopra

MD (Pathology & Microbiology)

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 2 of 14





	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiolo Chairman & Consultant Path		(Pathology)
NAME	: Mrs. SHAMA CHALANA		
AGE/ GENDER	: 77 YRS/FEMALE	PATIENT ID	: 1717960
<b>COLLECTED BY</b>	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012501070005
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 07/Jan/2025 09:09 AM
BARCODE NO.	: 01523551	<b>COLLECTION DATE</b>	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 07/Jan/2025 09:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	ie Unit	Biological Reference interval





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







	MD (Pathology a	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		n <b>Chopra</b> (Pathology) Pathologist
NAME	: Mrs. SHAMA CHALANA			
AGE/ GENDER	: 77 YRS/FEMALE	PA	TIENT ID	: 1717960
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012501070005
REFERRED BY	:	RE	GISTRATION DATE	: 07/Jan/2025 09:09 AM
BARCODE NO.	:01523551	CO	LLECTION DATE	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 07/Jan/2025 10:24AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIME	NTATION RATE (	ESR)
immune disease, but	does not tell the health practiti	oner exactly where th	e inflammation is in the	ion associated with infection, cancer and auto- e body or what is causing it.
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth <b>CONDITION WITH LO</b> A low ESR can be see (polycythaemia), sign as sickle cells in sick <b>NOTE:</b> 1. ESR and C - reactiv 2. Generally, ESR doc 3. <b>CRP is not affected</b>	does not tell the health practiti ected by other conditions beside be used to monitor disease acti ematosus W ESR en with conditions that inhibit th	oner exactly where the s inflammation. For the vity and response to the ne normal sedimentat count (leucocytosis), ESR. rs of inflammation. CRP, either at the sta SR, making it a better	e inflammation is in the his reason, the ESR is ty herapy in both of the a on of red blood cells, s and some protein abno rt of inflammation or a: <b>marker of inflammatior</b>	e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves.





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



Page 4 of 14





	М		& Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHAMA (	CHALANA			
AGE/ GENDER	: 77 YRS/FEMAI	LE	PA	TIENT ID	: 1717960
COLLECTED BY	: SURJESH		RE	G. NO./LAB NO.	: 012501070005
REFERRED BY	:		RE	GISTRATION DATE	: 07/Jan/2025 09:09 AM
BARCODE NO.	:01523551		CO	LLECTION DATE	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOS	TIC LAB	RE	PORTING DATE	: 07/Jan/2025 10:59AM
CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD,	AMBALA CANTT		
Test Name			Value	Unit	<b>Biological Reference interval</b>
		CLINIC	CAL CHEMISTR	Y/BIOCHEMIST	'RY
			<b>GLUCOSE FA</b>	STING (F)	
GLUCOSE FASTING	G (F): PLASMA Se - peroxidase (Go	0D-POD)	126.71 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

**IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:** 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



**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





		<b>hopra</b> & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHAMA CHALANA			
AGE/ GENDER	: 77 YRS/FEMALE	P	ATIENT ID	: 1717960
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012501070005
<b>REFERRED BY</b>	:	R	EGISTRATION DATE	: 07/Jan/2025 09:09 AM
BARCODE NO.	: 01523551	C	OLLECTION DATE	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 07/Jan/2025 11:06AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	), AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROF	TLE : BASIC	
CHOLESTEROL TO	TAL: SERUM	214.01 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		214.01-	ing, di	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM HATE OXIDASE (ENZYMATIC)	71.13	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM Ion	65.42	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		134.36 <sup>H</sup>	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLEST by calculated, spe		148.59 <sup>H</sup>	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER(		14.23	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	RUM	499.15	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE	DL RATIO: SERUM	3.27	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

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



Page 6 of 14





Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist					
NAME	: Mrs. SHAMA CHALANA				
AGE/ GENDER	: 77 YRS/FEMALE		PATIENT ID	: 1717960	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012501070005	
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 07/Jan/2025 09:09 AM	
BARCODE NO.	:01523551		COLLECTION DATE	: 07/Jan/2025 09:39AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 07/Jan/2025 11:06AM	
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		2.05	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	1.09 <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.

 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)







	<b>Dr. Vinay Chop</b> MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. SHAMA CHALANA			
AGE/ GENDER	: 77 YRS/FEMALE		PATIENT ID	: 1717960
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012501070005
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 07/Jan/2025 09:09 AM
BARCODE NO.	:01523551		COLLECTION DATE	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	:07/Jan/2025 11:06AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
BILIRUBIN TOTAL		FUNCTIO	<b>N TEST (COMPLETE)</b> mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY	0.50	ling/ uL	ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.24	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.74	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	24.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	24.5	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		1	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	HATASE: SERUM yl phosphatase by amino methyl	88.34	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	13.98	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.69	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.03	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	1	2.66	gm/dL	2.30 - 3.50
by CALCULATED, SPE		1.52	RATIO	1.00 - 2.00
	A : G RATIO: SERUM		KATIU	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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT	
CLIENT ADDRESS	· 6349/1 NICHOI SON ROAD AM	MBALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 07/Jan/2025 11:06AM
BARCODE NO.	:01523551	COLLECTION DATE	: 07/Jan/2025 09:39AM
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 07/Jan/2025 09:09 AM
<b>COLLECTED BY</b>	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012501070005
AGE/ GENDER	: 77 YRS/FEMALE	PATIENT ID	: 1717960
NAME	: Mrs. SHAMA CHALANA		
	MD (Pathology & N Chairman & Consu		(Pathology) t Pathologist
	Dr. Vinay Cho		

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







Dr. Vinay Cho MD (Pathology & I Chairman & Const		1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHAMA CHALANA			
AGE/ GENDER	: 77 YRS/FEMALE	I	PATIENT ID	: 1717960
COLLECTED BY	: SURJESH	I	REG. NO./LAB NO.	: 012501070005
<b>REFERRED BY</b>	:	I	REGISTRATION DATE	: 07/Jan/2025 09:09 AM
BARCODE NO.	:01523551	(	COLLECTION DATE	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	I	REPORTING DATE	: 07/Jan/2025 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	EY FUNCTION	N TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	31.63	mg/dL	10.00 - 50.00
CREATININE: SER	UM	0.75	mg/dL	0.40 - 1.20
	ROGEN (BUN): SERUM	14.78	mg/dL	7.0 - 25.0
RATIO: SERUM	ROGEN (BUN)/CREATININE	19.71	RATIO	10.0 - 20.0
UREA/CREATININ		42.17	RATIO	
URIC ACID: SERUM		4.43	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	10.1	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI by PHOSPHOMOLYBL	ERUM DATE, SPECTROPHOTOMETRY	3.34	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	141.7	mmol/L	135.0 - 150.0
POTASSIUM: SERU by ISE (ION SELECTIV	M	4.55	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		106.28	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

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

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

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

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

Page 10 of 14





		Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		m Chopra D (Pathology) nt Pathologist	
IAME	: Mrs. SHAM	A CHALANA				
GE/ GENDER	: 77 YRS/FEM	IALE	PATIE	NT ID	: 1717960	
OLLECTED BY	: SURJESH		REG. N	O./LAB NO.	:0125010700	05
EFERRED BY				<b>FRATION DATE</b>	:07/Jan/20250	
ARCODE NO.	: 01523551			CTION DATE	: 07/Jan/2025 0	
LIENT CODE.	: KOS DIAGN			TING DATE	: 07/Jan/2025 1	
				TING DATE	: 07/Jan/ 2025 1	1:19AM
LIENT ADDRESS	: 6349/1, NIC	CHOLSON ROAD, AMB	ALA CANTI			
Test Name			Value	Unit	Biolog	gical Reference interval
. Reduced muscle m . Certain drugs (e.g. <b>VCREASED RATIO (&gt;2</b> . Postrenal azotemia . Prerenal azotemia <b>DECREASED RATIO (</b> < . Acute tubular necr	tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis.	creatinine production ucocorticoids) <b>ATED CREATININE LEVE</b> proportionately more t on renal disease.	LS:	. obstructive urop	athy).	
Reduced muscle m     Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     Prerenal azotemia     DECREASED RATIO (<         Acute tubular necr     Low protein diet ar     Severe liver diseas     Other causes of de     Repeated dialysis     Inherited hyperam     SIADH (syndrome of     Pregnancy.     Pregnancy.     Phenacimide thera     Rhabdomyolysis (r     Muscular patients     NAPPROPIATE RATIO     Diabetic ketoacido     hould produce an in     CEphalosporin thei     STIMATED GLOMERL     OKD STAGE	ass (subnorma tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Id starvation. 2: creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCF oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes LAR FILTERATIC	ostomy) creatinine production ucocorticoids) ATED CREATININE LEVE proportionately more to on renal disease. REASED BUN : a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). enal failure. te causes false increas reatinine ratio). with creatinine measu DI RATE: DESCRIPTION	LS: han creatinine) (e.g ut of extracellular f blood). due to tubular secre to creatinine). e in creatinine with rement).	luid). etion of urea. certain methodol	logies,resulting in no	ormal ratio when dehydrati
Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE	ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Id starvation. 2: creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCF oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes LAR FILTERATIC	ostomy) creatinine production ucocorticoids) ATED CREATININE LEVE proportionately more to on renal disease. REASED BUN : a is virtually absent in antidiuretic harmone) (EASED CREATININE: conversion of creatine creatinine). enal failure. te causes false increas reatinine ratio). with creatinine measu ON RATE: DESCRIPTION rmal kidney function	LS: han creatinine) (e.g ut of extracellular f blood). due to tubular secre to creatinine). e in creatinine with rement). GFR (mL/min/ >90	luid). etion of urea. certain methodol 1.73m2 ) A	logies,resulting in no SSOCIATED FINDINGS	5
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Perenal azotemia PecREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. PECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients VAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Id starvation. 2: creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCF oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes LAR FILTERATIC	ostomy) creatinine production ucocorticoids) ATED CREATININE LEVE proportionately more to on renal disease. REASED BUN : (ATENER AND	LS: han creatinine) (e.g ut of extracellular f blood). due to tubular secre to creatinine). e in creatinine with rement).	luid). etion of urea. certain methodol 1.73m2 ) A	logies,resulting in no SSOCIATED FINDINGS No proteinuria Presence of Protein ,	<u>}</u>
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients VAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE G1 G2	ass (subnorma tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Id starvation. 2: creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCF oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes LAR FILTERATIC NC	ostomy) creatinine production ucocorticoids) ATED CREATININE LEVE proportionately more to on renal disease. REASED BUN : a is virtually absent in antidiuretic harmone) (EASED CREATININE: conversion of creatine creatinine). enal failure. te causes false increas reatinine ratio). with creatinine measu DESCRIPTION rmal kidney function_ idney damage with normal or high GFR_	LS: han creatinine) (e.g ut of extracellular t blood). due to tubular secre to creatinine). e in creatinine with rement). GFR (mL/min/ >90 >90	luid). etion of urea. certain methodol 1.73m2 ) Ai	logies,resulting in no SSOCIATED FINDINGS	<u>}</u>
. Reduced muscle m . Certain drugs (e.g. . VCREASED RATIO (>2 . Postrenal azotemia . Prerenal azotemia . Prerenal azotemia . ECREASED RATIO (< . Acute tubular necr . Low protein diet ar . Severe liver diseas . Other causes of de . Repeated dialysis ( . Inherited hyperam . SIADH (syndrome of . Pregnancy. . Pregnancy. . Phenacimide thera . Rhabdomyolysis (r . Muscular patients . NAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin ther STIMATED GLOMERI . CKD STAGE . G1	ass (subnorma tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Id starvation. 2: creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCF oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes LAR FILTERATIC NC	ostomy) creatinine production ucocorticoids) ATED CREATININE LEVE proportionately more to on renal disease. REASED BUN : (ATENER AND	LS: han creatinine) (e.g ut of extracellular f blood). due to tubular secre to creatinine). e in creatinine with rement). GFR (mL/min/ >90	luid). etion of urea. certain methodol	logies,resulting in no SSOCIATED FINDINGS No proteinuria Presence of Protein ,	<u>}</u>





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







	<b>Dr. Vinay Chopra</b> MD (Pathology & Microb Chairman & Consultant F	iology) MI	m <b>Chopra</b> D (Pathology) ht Pathologist
NAME	: Mrs. SHAMA CHALANA		
AGE/ GENDER	: 77 YRS/FEMALE	PATIENT ID	: 1717960
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012501070005
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 07/Jan/2025 09:09 AM
BARCODE NO.	: 01523551	<b>COLLECTION DATE</b>	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 07/Jan/2025 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	v	alue 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)







	<b>Dr. Vinay Cho</b> MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHAMA CHALANA			
AGE/ GENDER	: 77 YRS/FEMALE	PATIEN	NT ID	: 1717960
COLLECTED BY	: SURJESH	REG. N	0./LAB NO.	: 012501070005
<b>REFERRED BY</b>	:	REGIST	<b>TRATION DATE</b>	: 07/Jan/2025 09:09 AM
	:01523551		CTION DATE	: 07/Jan/2025 09:39AM
	: KOS DIAGNOSTIC LAB		TING DATE	: 07/Jan/2025 10:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL PATH	IOLOGY	
	URINE ROI	UTINE & MICROSC	OPIC EXAMINA	ATION
PHYSICAL EXAMINA				
QUANTITY RECIEVE	D	10	ml	
by DIP STICK/REFLECTA	ANCE SPECTROPHOTOMETRY	AMBER YELLOW	T	PALE YELLOW
by DIP STICK/REFLECTA	ANCE SPECTROPHOTOMETRY			
TRANSPARANCY	ANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY		<=1.005		1.002 - 1.030
by DIP STICK/REFLECTA	ANCE SPECTROPHOTOMETRY			
REACTION	MIION	ACIDIC		
by DIP STICK/REFLECTA	ANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLECTA	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
pH	ANCE SPECTROPHOTOMETRY	6		5.0 - 7.5
by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY			
BILIRUBIN by DIP STICK/REFLECTA	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
UROBILINOGEN	ANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	ANCE SPECTROPHOTOMETRY ANCE SPECTROPHOTOMETRY MINATION	NEGATIVE (-ve)		NEGATIVE (-ve)
RED BLOOD CELLS (		NEGATIVE (-ve)	/HPF	0 - 3



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
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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



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

NAME	: Mrs. SHAMA CHALANA			
AGE/ GENDER	: 77 YRS/FEMALE	PATIENT	ID	: 1717960
COLLECTED BY	: SURJESH	REG. NO./	LAB NO.	: 012501070005
<b>REFERRED BY</b>	:	REGISTR	ATION DATE	: 07/Jan/2025 09:09 AM
BARCODE NO.	: 01523551	COLLECT	ION DATE	: 07/Jan/2025 09:39AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTI	NG DATE	: 07/Jan/2025 10:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EPITHELIAL CELLS	S CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	ABSENT
CDVCTAIC		NECATIVE ( vo)		NECATIVE ( vo)

CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	NEGATIVE (-ve)
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)

