

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra		Dr. Yugam	
	MD (Pathology & Micr Chairman & Consultar			(Pathology) Pathologist
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE		PATIENT ID	: 1665112
COLLECTED BY	:		REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN		REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334		COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 08/Nov/2024 08:45AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	HVA WF	LLNESS PANEL: 1.0	
			DOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	9.8 ^L	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RBC) COUNT	3.71	Millions/	/cmm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLU	JME (PCV) UTOMATED HEMATOLOGY ANALYZER	31.5 ^L	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	84.9	fL	80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	26.4 ^L	pg	27.0 - 34.0
MEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	31.1 ^L	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	16.4 ^H	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	51.9	fL	35.0 - 56.0
MENTZERS INDEX		22.88	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING IND by CALCULATED	DEX	37.51	RATIO	BETA THALASSEMIA TRAIT:< 65.0
.,				IRON DEFICIENCY ANEMIA: >
WILLITE DI AAN «Е				65.0
WHITE BLOOD CE TOTAL LEUCOCYTE		8350	/cmm	4000 - 11000
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY		/ ciniff	
	SLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
		NIL	%	< 10 %
NUCLEATED RED B	UTOMATED HEMATOLOGY ANALYZER	IVIL	10	10/0





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







Dr. Yugam Chopra

MD (Pathology)

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. SHYMA SHARMA NAME AGE/ GENDER : 68 YRS/MALE **PATIENT ID** :1665112 **COLLECTED BY** :012411080004 REG. NO./LAB NO. : **REFERRED BY** : DR.HIMANSHU JAIN **REGISTRATION DATE** :08/Nov/2024 07:49 AM **BARCODE NO.** :01520334 **COLLECTION DATE** :08/Nov/2024 07:55AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :08/Nov/2024 08:45AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 67 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 20% 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 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 5595 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1670 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 418 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 668 /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 84 0.0 - 999.0/cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 315000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.32 PLATELETCRIT (PCT) % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 10 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 87000 /cmm 30000 - 90000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 27.6% 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.2% 15.0 - 17.0

Dr. Vinay Chopra

MD (Pathology & Microbiology)

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE



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 Chop MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE	PATIEN	ГID	: 1665112
COLLECTED BY	:	REG. NO	./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN	REGIST	RATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334	COLLEC	FION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 08/Nov/2024 08:45AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	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







Dr. Vinay C MD (Pathology Chairman & Co				(Pathology)
AME	: Mr. SHYMA SHARMA			
GE/ GENDER	: 68 YRS/MALE	I	PATIENT ID	: 1665112
OLLECTED BY	:	l	REG. NO./LAB NO.	: 012411080004
EFERRED BY	: DR.HIMANSHU JAIN	l	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
ARCODE NO.	: 01520334	(COLLECTION DATE	: 08/Nov/2024 07:55AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	l	REPORTING DATE	: 08/Nov/2024 09:04AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
'est Name		Value	Unit	Biological Reference interval
An ESR can be affe s C-reactive protein This test may also stemic lupus erythh ONDITION WITH LO Iow ESR can be see oolycythaemia), sig s sickle cells in sickl OTE: ESR and C - reactiv Generally, ESR doe CRP is not affected If the ESR is elevat Women tend to ha Drugs such as dexl	be used to monitor disease activity ematosus W ESR en with conditions that inhibit the no- nificantly high white blood cell coun le cell anaemia) also lower the ESR. re protein (C-RP) are both markers of es not change as rapidly as does CRP I by as many other factors as is ESR, i red, it is typically a result of two type ave a higher ESR, and menstruation a	flammation. For and response to prmal sediment it (leucocytosis) f inflammation. P, either at the s making it a betto es of proteins, g and pregnancy c	this reason, the ESR is ty o therapy in both of the a ation of red blood cells, s , and some protein abno tart of inflammation or a er marker of inflammation lobulins or fibrinogen. an cause temporary eleva	picallý used in conjunctión with other test such above diseases as well as some others, such as such as a high red blood cell count ormalities. Some changes in red cell shape (such s it resolves. n .

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, 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 15





		& Microbiology) onsultant Pathologist	MD CEO & Consultant	(Pathology) t Pathologist
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE	PA	TIENT ID	: 1665112
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN	RE	GISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	:01520334	CO	LLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 08/Nov/2024 09:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTR GLUCOSE FA	Y/BIOCHEMIST STING (F)	TRY
GLUCOSE FASTING	(F): PLASMA E - PEROXIDASE (GOD-POD)	340.77 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION IN ACCORDANCE 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.





	Dr. Vinay Cl MD (Pathology Chairman & Co		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE	I	PATIENT ID	: 1665112
COLLECTED BY	:	F	REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN	F	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	:01520334	(COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	I	REPORTING DATE	:08/Nov/2024 10:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		I IDIN PRO	FILE : BASIC	
CHOLESTEROL TO	TAL · SEDIM	104.71		OPTIMAL: < 200.0
by CHOLESTEROL O		104.71	mg/dL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	67.23	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO	L (DIRECT): SERUM	51.82	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
by SELECTIVE IN INDI				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		39.44	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 CHOLEST by CALCULATED, SPE		52.89	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 CHOLESTERO		13.45	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE		276.65 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HE by CALCULATED, SPE		2.02	RATIO	LOW RISK: 3.30 - 4.40 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: Ilnd 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) nsultant Patholog		(Pathology)
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE		PATIENT ID	: 1665112
COLLECTED BY	:		REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN		REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334		COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:08/Nov/2024 10:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANT	TT	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		0.76	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 ECTROPHOTOMETRY	1.3 ^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 Chopi MD (Pathology & Mic Chairman & Consulta	crobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE]	PATIENT ID	: 1665112
COLLECTED BY	:]	REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN]	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334	(COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	J	REPORTING DATE	: 08/Nov/2024 10:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT		FUNCTION 0.32 0.13 0.19	TEST (COMPLETE) mg/dL mg/dL mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40 0.10 - 1.00
by CALCULATED, SPE SGOT/AST: SERUM	ECTROPHOTOMETRY	24.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM	/RIDOXAL PHOSPHATE [/RIDOXAL PHOSPHATE	36.2	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM	0.69	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	298.98 ^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	112.06 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.07	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		3.65	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	3.42	gm/dL	2.30 - 3.50
A : G RATIO: SERUI	M	1.07	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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



INTERPRETATION





Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	IBALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:08/Nov/2024 10:14AM
BARCODE NO.	: 01520334	COLLECTION DATE	:08/Nov/202407:55AM
REFERRED BY	: DR.HIMANSHU JAIN	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
COLLECTED BY	:	REG. NO./LAB NO.	: 012411080004
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1665112
NAME	: Mr. SHYMA SHARMA		
	MD (Pathology & M Chairman & Consul	licrobiology) M	ID (Pathology)
	Dr. Vinay Chor	ora I Dr. Yuga	am Chopra

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).

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



Page 9 of 15





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)		(Pathology)
NAME	: Mr. SHYMA SHARMA			
AGE/ GENDER	: 68 YRS/MALE]	PATIENT ID	: 1665112
COLLECTED BY	:]	REG. NO./LAB NO.	:012411080004
REFERRED BY	: DR.HIMANSHU JAIN]	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334		COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 08/Nov/2024 11:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTION	N TEST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)	107.66 ^H	mg/dL	10.00 - 50.00
CREATININE: SERU		4.5 ^H	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	50.31 ^H	mg/dL	7.0 - 25.0
BLOOD UREA NITH RATIO: SERUM	ROGEN (BUN)/CREATININE	11.18	RATIO	10.0 - 20.0
by CALCULATED, SPE UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	23.92	RATIO	
URIC ACID: SERUM	Ĩ	4.18	mg/dL	3.60 - 7.70
by URICASE - OXIDAS CALCIUM: SERUM by ARSENAZO III, SPE		11.02 ^H	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE		4.77 ^H	mg/dL	2.30 - 4.70
<u>ELECTROLYTES</u>				
SODIUM: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	134.2 ^L	mmol/L	135.0 - 150.0
POTASSIUM: SERU by ISE (ION SELECTIV	M /e electrode)	5.23 ^H	mmol/L	3.50 - 5.00
	IERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	13.5		

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



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 10 of 15





	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	licrobiology) MD	n Chopra 9 (Pathology) t Pathologist
NAME	: Mr. SHYMA SHARMA		
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1665112
COLLECTED BY	:	REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334	COLLECTION DATE	:08/Nov/202407:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:08/Nov/2024 11:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval
6. Excess protein inta	ke or production or tissue breakdo xia, high fever). (e.g. ureter colostomy)	own (e.g. infection, GI bleeding, thyrotoxi	cosis, Cushing's syndrome, high protein diet,

2. Low protein diet and starvation.

3. Severe liver disease.

- 4. Other causes of decreased urea synthesis.
- 5. Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid).
- 6. Inherited hyperammonemias (urea is virtually absent in blood).
- 7. SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea.

8. Pregnancy.

DECREASED RATIO (<10:1) WITH INCREASED CREATININE:

1. Phenacimide therapy (accelerates conversion of creatine to creatinine).

- 2. Rhabdomyolysis (releases muscle creatinine).
- 3. Muscular patients who develop renal failure.

INAPPROPIATE RATIO:

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement). ESTIMATED GLOMERULAR FILTERATION RATE:

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	





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 & Microbiology) Chairman & Consultant Patholo		(Pathology)
NAME	: Mr. SHYMA SHARMA		
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1665112
COLLECTED BY	:	REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334	COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 08/Nov/2024 11:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ГТ	
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

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







: Mr. SHYMA SHARMA				
: 68 YRS/MALE		PATIENT ID	: 1665112	
:		REG. NO./LAB NO.	: 012411080004	
: DR.HIMANSHU JAIN : 01520334 : KOS DIAGNOSTIC LAB		REGISTRATION DATE	: 08/Nov/2024 07:49 AM : 08/Nov/2024 07:55AM : 08/Nov/2024 10:15AM	
		COLLECTION DATE		
		REPORTING DATE		
: 6349/1, NICHOLSON ROAD, A	MBALA CANT	T		
	Value	Unit	Biological Reference interval	
	: 68 YRS/MALE : : DR.HIMANSHU JAIN : 01520334 : KOS DIAGNOSTIC LAB	: 68 YRS/MALE : : DR.HIMANSHU JAIN : 01520334 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANT Value	 : 68 YRS/MALE : 68 YRS/MALE : 68 YRS/MALE : 01520334 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT 	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

Intrepretation:-

Parathyroid hormone (PTH) is produced and secreted by the parathyroid glands, which are located along the posterior aspect of the thyroid gland. The serum calcium level regulates PTH secretion via negative feedback through the parathyroid calcium sensing receptor (CASR). Decreased calcium levels stimulate PTH release. Secreted PTH interacts with its specific type II G-protein receptor, causing rapid increases in renal tubular reabsorption of calcium and decreased phosphorus reabsorption. It also participates in long-term calciostatic functions by enhancing mobilization of calcium from bone and increasing renal synthesis of 1,25-dihydroxy vitamin D, which, in turn, increases intestinal calcium absorption.

The assay is useful for:

- Differential diagnosis of hypercalcemia
- Diagnosis of primary, secondary, and tertiary hyperparathyroidism
- Diagnosis of hypoparathyroidism
- Monitoring end-stage renal failure patients for possible renal osteodystrophy

Interpretation of results:

- An (appropriately) low PTH level and high phosphorus level in a hypercalcemic patient suggests that the hypercalcemia is not caused by PTH or PTH-like substances.
- An (appropriately) low PTH level with a low phosphorus level in a hypercalcemic patient suggests the diagnosis of paraneoplastic hypercalcemia.
- A low or normal PTH in a patient with hypocalcemia suggests hypoparathyroidism.

Low serum calcium and high PTH levels in a patient with normal renal function suggest resistance to PTH action (pseudohypoparathyroidism type 1a, 1b, 1c, or 2) or, very rarely, bio-ineffective PTH.

Elevated PTH value with a normal serum calcium in many cases in India is due to secondary hyperparathyroidism, primary cause being Vitamin D deficiency.





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 Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist			
NAME	: Mr. SHYMA SHARMA					
AGE/ GENDER	: 68 YRS/MALE	PA	TIENT ID	: 1665112		
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012411080004		
REFERRED BY	: DR.HIMANSHU JAIN		GISTRATION DATE	: 08/Nov/2024 07:49 AM		
BARCODE NO.	: 01520334		LLECTION DATE	: 08/Nov/2024 07:55AM		
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB		PORTING DATE	: 08/Nov/2024 11:18AM		
CLIENI ADDRESS	: 6349/1, NICHOLSON ROAD, Al	WIDALA CAN I I				
Test Name		Value	Unit	Biological Reference interval		
CLINICAL PATHOLOGY						
	URINE ROU	TINE & MICRO	SCOPIC EXAMINA	ATION		
PHYSICAL EXAMIN	NATION					
QUANTITY RECIEV		10	ml			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR		PALE YELLO	w	PALE YELLOW		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY		CLEAR		CLEAR		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1.01		1.002 - 1.030		
<u>CHEMICAL EXAMI</u>	NATION					
REACTION	TANCE SPECTROPHOTOMETRY	NEUTRAL				
PROTEIN		3+		NEGATIVE (-ve)		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	3+		NEGATIVE (-ve)		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	7		5.0 - 7.5		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Number				
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)		
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)		
BLOOD		1+		NEGATIVE (-ve)		
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-	ve)	NEGATIVE (-ve)		
by DIP STICK/REFLEC MICROSCOPIC EXA	TANCE SPECTROPHOTOMETRY					
RED BLOOD CELLS		NEGATIVE (-	ve) /HPF	0 - 3		
	CENTRIFUGED URINARY SEDIMENT	·				





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 & Microbiology) Chairman & Consultant Pathologist

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

NAME	: Mr. SHYMA SHARMA		
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1665112
COLLECTED BY	:	REG. NO./LAB NO.	: 012411080004
REFERRED BY	: DR.HIMANSHU JAIN	REGISTRATION DATE	: 08/Nov/2024 07:49 AM
BARCODE NO.	: 01520334	COLLECTION DATE	: 08/Nov/2024 07:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:08/Nov/2024 11:18AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	e Unit	Biological Reference interval
PUS CELLS	Neg	ative /HPF	0 - 5

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	Negative	/HPF	0 - 5
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) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

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

