



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
AGE/ GENDER: 22COLLECTED BY:REFERRED BY:BARCODE NO.: 015CLIENT CODE.: KOS	A MIT SHARMA YRS/MALE 518682 S DIAGNOSTIC LAB 19/1, NICHOLSON ROAD, AMB	ALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1640524 : 012410110011 : 11/Oct/2024 08:46 AM : 11/Oct/2024 08:47AM : 11/Oct/2024 09:25AM
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (RBCS) (COM		LLNESS PANEL: 1.0 OOD COUNT (CBC)	
HAEMOGLOBIN (HB)	SOULT AND INDICES	15.3	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RBC) CO	UNT NG, ELECTRICAL IMPEDENCE	5.33 ^H	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUME (PC)	-	47.7	%	40.0 - 54.0
MEAN CORPUSCULAR VOLU	JME (MCV)	89.5	fL	80.0 - 100.0
MEAN CORPUSCULAR HAE		28.7	pg	27.0 - 34.0
MEAN CORPUSCULAR HEM		32.1 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION W		14	%	11.00 - 16.00
RED CELL DISTRIBUTION W		46.9	fL	35.0 - 56.0
by CALCULATED BY AUTOMA MENTZERS INDEX by CALCULATED	ITED HEMATOLOGY ANALYZER	16.79	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED		23.5	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBC				
TOTAL LEUCOCYTE COUNT by FLOW CYTOMETRY BY SF		7550	/cmm	4000 - 11000
NUCLEATED RED BLOOD CI		NIL		0.00 - 20.00
NUCLEATED RED BLOOD CH	ELLS (nRBCS) % Ited hematology analyzer	NIL	%	< 10 %
NEUTROPHILS by flow cytometry by sf	CUBE & MICROSCOPY	62	%	50 - 70

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.





Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME : Mr. AMIT SHARMA			
AGE/ GENDER : 22 YRS/MALE	PATI	ENT ID	: 1640524
COLLECTED BY :	REG.	NO./LAB NO.	: 012410110011
REFERRED BY :		STRATION DATE	: 11/Oct/2024 08:46 AM
BARCODE NO. : 01518682		ECTION DATE	: 11/Oct/2024 08:47AM
CLIENT CODE. : KOS DIAGNOSTIC LAB		DRTING DATE	: 11/Oct/2024 09:25AM
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name	Value	Unit	Biological Reference interval
LYMPHOCYTES	33	%	20 - 40
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1 ^L	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	2 - 12
BASOPHILS	0	%	0 - 1
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT	4681	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2492	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	76	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	302	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT	0	/cmm	0 - 110
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKE	RS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	 115000 ^L	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.17	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	17 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by Hydro Dynamic Focusing, ELECTRICAL IMPEDENCE	73000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	72.1 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by Hydro Dynamic Focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.2	%	15.0 - 17.0

RECHECKED



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.



			& Microbiology) Isultant Pathologi	1	am Chopra 1D (Pathology) ant Pathologist)	
AME GE/ GENDER OLLECTED BY EFERRED BY ARCODE NO. LIENT CODE. LIENT ADDRESS	: Mr. AMIT S : 22 YRS/MAI : : : : 01518682 : KOS DIAGN : 6349/1, NIC	LE	AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	E : 11/Oct : 11/Oct	24 10110011 t/2024 08:52 AM t/2024 09:16AM t/2024 09:26AM	
Test Name			Value	Unit	/	Biological Refe	erence interval
		BLOOD	GROUP (ABO) AND RH FACTOR T	YPING		
ABO GROUP by slide agglutinat RH FACTOR TYPE by slide agglutinat			B POSITIVE				

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







	١	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)
NAME	: Mr. AMIT SH	ARMA			
AGE/ GENDER	: 22 YRS/MALE	2		PATIENT ID	: 1640524
COLLECTED BY	:			REG. NO./LAB NO.	:012410110011
REFERRED BY	:			REGISTRATION DATE	: 11/Oct/2024 08:46 AM
BARCODE NO.	:01518682			COLLECTION DATE	: 11/Oct/2024 08:47AM
CLIENT CODE.	: KOS DIAGNOS	STIC LAB		REPORTING DATE	: 11/Oct/2024 09:35AM
CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD,	AMBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
		FDVT			
				MENTATION RATE (ES	
RYTHROCYTE SEDIM by RED CELL AGGREGA		· · ·	8 אא	mm/1st	hr 0-20
as sickle cells in sickle NOTE: 1. ESR and C - reactive 2. Generally, ESR does 3. CRP is not affected b 4. If the ESR is elevated 5. Women tend to have	cell anaemia) a protein (C-RP) a not change as r by as many othe d, it is typically a e a higher ESR, a an, methyldopa	also lower the E are both marker rapidly as does r factors as is ES a result of two and menstruatio oral contraces	SR. CRP, either at the SR, making it a bei types of proteins, on and pregnancy	n. start of inflammation or a tter marker of inflammatio globulins or fibrinogen. can cause temporary elev	n.



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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



		C hopra v & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. AMIT SHARMA			
AGE/ GENDER	: 22 YRS/MALE	PA	TIENT ID	: 1640524
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012410110011
REFERRED BY	:	RE	GISTRATION DATE	: 11/Oct/2024 08:46 AM
BARCODE NO.	:01518682	CO	LLECTION DATE	: 11/Oct/2024 08:47AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 11/Oct/2024 10:03AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
L	CLI	NICAL CHEMISTR	Y/BIOCHEMISTR	Υ
L	CLI	NICAL CHEMISTR GLUCOSE F		Y

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







	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
	: Mr. AMIT SHARMA	D.4.777		1040204
AGE/ GENDER	: 22 YRS/MALE		ENT ID	: 1640524
COLLECTED BY	:		NO./LAB NO.	: 012410110011
REFERRED BY	:		STRATION DATE	: 11/Oct/2024 08:46 AM
BARCODE NO.	: 01518682		ECTION DATE	: 11/Oct/2024 08:47AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		RTING DATE	: 11/Oct/2024 10:03AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTA by CHOLESTEROL OX		157.94	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	104.83	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (by SELECTIVE INHIBITI		44.78	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		92.19	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 CHOLESTE by CALCULATED, SPE		113.16	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		20.97	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN	N	420.71	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE		3.53	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		2.06	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0



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







		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. AMIT SHARMA			
AGE/ GENDER	: 22 YRS/MALE	PATI	ENT ID	: 1640524
COLLECTED BY	:	REG.	NO./LAB NO.	: 012410110011
REFERRED BY	:	REGI	STRATION DATE	: 11/Oct/2024 08:46 AM
BARCODE NO.	: 01518682	COLL	ECTION DATE	: 11/Oct/2024 08:47AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 11/Oct/2024 10:03AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.34 ^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 Chop MD (Pathology & M Chairman & Consul			(Pathology)
NAME	: Mr. AMIT SHARMA			
AGE/ GENDER	: 22 YRS/MALE	1	PATIENT ID	: 1640524
COLLECTED BY	:]	REG. NO./LAB NO.	: 012410110011
REFERRED BY	:	1	REGISTRATION DATE	: 11/Oct/2024 08:46 AM
BARCODE NO.	:01518682		COLLECTION DATE	: 11/Oct/2024 08:47AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	1	REPORTING DATE	: 11/Oct/2024 10:03AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION	I TEST (COMPLETE)	
	BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry		mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.21	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	(UNCONJUGATED): SERUM естгорнотометку	0.55	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	34.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM		78.2 ^H	U/L	0.00 - 49.00
by IFCC, WITHOUT PY AST/ALT RATIO: SER by CALCULATED, SPE		0.44	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		110.14	U/L	40.0 - 130.0
GAMMA GLUTAMYL by szasz, spectrof	. TRANSFERASE (GGT): SERUM PHTOMETRY	19.92	U/L	0.00 - 55.0
TOTAL PROTEINS: SE		6.95	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol g	REEN	4.52	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY	2.43	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.86	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)



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

Page 8 of 14





	Dr. Vinay Choj MD (Pathology & M Chairman & Consu	licrobiology)	MD (Pathology) Sonsultant Pathologist
NAME	: Mr. AMIT SHARMA		
AGE/ GENDER	: 22 YRS/MALE	PATIENT ID	: 1640524
COLLECTED BY	:	REG. NO./LAB N	0. : 012410110011
REFERRED BY	:	REGISTRATION	DATE : 11/Oct/2024 08:46 AM
BARCODE NO.	: 01518682	COLLECTION D A	TE : 11/Oct/2024 08:47AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DA	TE : 11/Oct/2024 10:03AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA CANTT	
Test Name		Value I	Jnit 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:

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







		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. AMIT SHARMA				
AGE/ GENDER	: 22 YRS/MALE	PA	ATIENT ID	: 1640524	
COLLECTED BY	:	RI	EG. NO./LAB NO.	:012410110011	
REFERRED BY	:	RI	EGISTRATION DATE	: 11/Oct/2024 08:46 AM	
BARCODE NO.	:01518682	CO	DLLECTION DATE	: 11/Oct/2024 08:47AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 11/Oct/2024 10:03AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interv	ıal
		(IDNEY FUNCTION	TEST (COMPLETE)		
UREA: SERUM		20.24	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)	20121			
CREATININE: SERUN		1.06	mg/dL	0.40 - 1.40	
by ENZYMATIC, SPEC BLOOD UREA NITRO		9.46	mg/dL	7.0 - 25.0	
by CALCULATED, SPE		9.40	ing/ul	7.0 - 23.0	
BLOOD UREA NITRO	GEN (BUN)/CREATININE	8.92 ^L	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED, SPI	ECTROPHOTOMETRY				
UREA/CREATININE F		19.09	RATIO		
by CALCULATED, SPE					
URIC ACID: SERUM		4.16	mg/dL	3.60 - 7.70	
by URICASE - OXIDAS	E PERUXIDASE	8.41 ^L	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPI	ECTROPHOTOMETRY		-		
PHOSPHOROUS: SER		3.15	mg/dL	2.30 - 4.70	
ELECTROLYTES	DATE, SPECTROPHOTOMETRY				
Sodium: Serum		140.6	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV	E ELECTRODE)	140.0	mmoi/L	133.0 - 130.0	
POTASSIUM: SERUM		4.38	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV	E ELECTRODE)	105 45		00.0 110.0	
CHLORIDE: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	105.45	mmol/L	90.0 - 110.0	
	RULAR FILTERATION RATE				
	RULAR FILTERATION RATE	101.8			
(eGFR): SERUM		2			
by CALCULATED					

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.



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

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com







Dr. Vinay Chopra MD (Pathology & Microbiol Chairman & Consultant Patl		& Microbiology) MI			
IAME	: Mr. AMIT SHARMA				
GE/ GENDER	: 22 YRS/MALE	PATIENT ID	: 1640524		
COLLECTED BY		REG. NO./LAB NO.	:012410110011		
REFERRED BY	•	REGISTRATION DATE	: 11/Oct/2024 08:46 AM		
BARCODE NO.	:01518682	COLLECTION DATE	: 11/Oct/2024 08:47AM		
LIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Oct/2024 10:03AM		
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT			
est Name		Value Unit	Biological Reference interv	/al	
NCREASED RATIO (>2 . Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<	superimposed on renal disease 10:1) WITH DECREASED BUN :	E LEVELS: more than creatinine) (e.g. obstructive urop	athy).		
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Composition diet ar Severe liver disease Other causes of de Repeated dialysis (Dinherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harn 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr	E LEVELS: more than creatinine) (e.g. obstructive urop fuses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE:	athy).		
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Composed noise Severe liver disease Coher causes of de Repeated dialysis (Neperated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually absorb f inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio).	E LEVELS: more than creatinine) (e.g. obstructive urop fuses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: reatine to creatinine).		ydratior	
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Dinherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually absorb f inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio). rapy (interferes with creatinine ratio).	E LEVELS: more than creatinine) (e.g. obstructive urop fuses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: reatine to creatinine).		ydratior	
NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease 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 GLOMERL	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually absorb f inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio). rapy (interferes with creatinine r JLAR FILTERATION RATE:	E LEVELS: more than creatinine) (e.g. obstructive urop fuses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: reatine to creatinine).	ogies,resulting in normal ratio when deh	ydratior	
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Dinherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually absorb f inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio). rapy (interferes with creatinine ratio).	E LEVELS: more than creatinine) (e.g. obstructive urop fuses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: reatine to creatinine). ncrease in creatinine with certain methodol measurement). GFR (mL/min/1.73m2)		ydratior	
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Composition diet ar Severe liver disease Coher causes of de Repeated dialysis (Neregnancy. DECREASED RATIO (< Pregnancy. DECREASED RATIO (< NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE CKD STAGE	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately r superimposed on renal disease 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually absorb finappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio). rapy (interferes with creatinine r JLAR FILTERATION RATE: DESCRIPTION	IE LEVELS: more than creatinine) (e.g. obstructive urop fuses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: reatine to creatinine). hcrease in creatinine with certain methodol measurement). GFR (mL/min/1.73m2) A tion >90 ith >90	ogies,resulting in normal ratio when deh	ydratior	

Kidney damage with
normal or high GFR>90Presence of Protein
Albumin or cast in uniMild decrease in GFR60 -89Moderate decrease in GFR30-59Severe decrease in GFR15-29Kidney failure<15</td>



G3b

G4

G5

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 Patholog		(Pathology)		
NAME	: Mr. AMIT SHARMA				
AGE/ GENDER	: 22 YRS/MALE	PATIENT ID	: 1640524		
COLLECTED BY	:	REG. NO./LAB NO.	: 012410110011		
REFERRED BY	:	REGISTRATION DATE	: 11/Oct/2024 08:46 AM		
BARCODE NO.	: 01518682	COLLECTION DATE	: 11/Oct/2024 08:47AM		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Oct/2024 10:03AM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
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







	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)						
NAME	: Mr. AMIT SHARMA									
AGE/ GENDER	: 22 YRS/MALE	PATIE	ENT ID	: 1640524						
COLLECTED BY	:	REG. N	NO./LAB NO.	:012410110011						
REFERRED BY	:	REGIS	TRATION DATE	: 11/Oct/2024 08:46 AM						
BARCODE NO.	:01518682	COLLI	ECTION DATE	: 11/Oct/2024 08:47AM						
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 11/Oct/2024 09:59AM						
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT								
				/						
Test Name		Value	Unit	Biological Reference interval						
		CLINICAL PATH	IOLOGY							
	URINE ROUTINE & MICROSCOPIC EXAMINATION									
PHYSICAL EXAMINA										
QUANTITY RECIEVE		10	ml							
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY										
		AMBER YELLOW		PALE YELLOW						
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY		CLEAR		CLEAR						
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		<=1.005								
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				1.002 - 1.030						
CHEMICAL EXAMINA										
REACTION		ACIDIC								
•	TANCE SPECTROPHOTOMETRY									
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)						
SUGAR		Negative		NEGATIVE (-ve)						
	TANCE SPECTROPHOTOMETRY									
pH by DIP STICK/REELEC	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5						
BILIRUBIN		Negative		NEGATIVE (-ve)						
	TANCE SPECTROPHOTOMETRY	-								
NITRITE by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)						
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0						
•	TANCE SPECTROPHOTOMETRY	Nogotivo								
KETONE BODIES by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)						
BLOOD		Negative		NEGATIVE (-ve)						
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)						
	TANCE SPECTROPHOTOMETRY	NEGATIVE (-VE)		NLOATIVE (-VE)						

MICROSCOPIC EXAMINATION



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

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

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

MD (Pathology & Microbiology)

EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra MD (Pathology)

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. AMIT SHARMA AGE/ GENDER : 22 YRS/MALE **PATIENT ID** :1640524 **COLLECTED BY** REG. NO./LAB NO. :012410110011 **REFERRED BY REGISTRATION DATE** : 11/Oct/2024 08:46 AM **BARCODE NO.** :01518682 **COLLECTION DATE** : 11/Oct/2024 08:47AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :11/Oct/2024 09:59AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** NEGATIVE (-ve) **RED BLOOD CELLS (RBCs)** /HPF 0 - 3 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT PUS CELLS 1-3 /HPF 0 - 5 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT EPITHELIAL CELLS 0-2 /HPF ABSENT by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CRYSTALS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT NEGATIVE (-ve) CASTS NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

/ MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT



BACTERIA



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