

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		Pathology)	
NAME	: Mr. AMANPREET SINGH				
AGE/ GENDER	: 30 YRS/MALE	1	PATIENT ID	: 1656213	
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012410290021	
REFERRED BY	:]	REGISTRATION DATE	: 29/Oct/2024 09:51 AM	
BARCODE NO.	: 01519748	(COLLECTION DATE	: 29/Oct/2024 09:54AM	
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Oct/2024 10:15AM	
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT			
Fest Name		Value	Unit	Biological Refe	rence interval
	SWAST	HYA WEL	LNESS PANEL: 1.0		
	COMP	PLETE BLO	OD COUNT (CBC)		
ED BLOOD CELLS	(RBCS) COUNT AND INDICES				
IAEMOGLOBIN (H)	B)	14.1	gm/dL	12.0 - 17.0	
RED BLOOD CELL (5.07 ^H	Millions/	cmm 3.50 - 5.00	
ACKED CELL VOLU	OCUSING, ELECTRICAL IMPEDENCE JME (PCV) UTOMATED HEMATOLOGY ANALYZER	42.9	%	40.0 - 54.0	
AEAN CORPUSCUL	AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	84.5	fL	80.0 - 100.0	
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	27.8	pg	27.0 - 34.0	
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.9	g/dL	32.0 - 36.0	
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	13.3	%	11.00 - 16.00	
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	42	fL	35.0 - 56.0	
MENTZERS INDEX		16.67	RATIO	BETA THALASS 13.0 IRON DEFICIEI >13.0	SEMIA TRAIT: < NCY ANEMIA:
GREEN & KING IND		22.16	RATIO	65.0	SEMIA TRAIT:<- NCY ANEMIA: >
		7900		4000 11000	
VHITE BLOOD CE	LOUNT (ILC)	7890	/cmm	4000 - 11000	
OTAL LEUCOCYTE	Y BY SF CUBE & MICROSCOPY				
OTAL LEUCOCYTE by flow cytometry IUCLEATED RED B	' BY SF CUBE & MICROSCOPY LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00	

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: 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 1 of 13







Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. AMANPREET SINGH AGE/ GENDER : 30 YRS/MALE **PATIENT ID** :1656213 **COLLECTED BY** : SURJESH REG. NO./LAB NO. :012410290021 **REFERRED BY REGISTRATION DATE** : 29/Oct/2024 09:51 AM : **BARCODE NO.** :01519748 **COLLECTION DATE** : 29/Oct/2024 09:54AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 29/Oct/2024 10:15AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 79^H % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 9L % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 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 6233 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 800 - 4900 710^L /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 394 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 552 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 281000 /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) 10 fL. 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 65000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 23.1% 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.8 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE



NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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

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

 KOS Molecular Lab: 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 Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. AMANPREET SINGH			
AGE/ GENDER	: 30 YRS/MALE	PA	TIENT ID	: 1656213
COLLECTED BY	: SURJESH	RI	EG. NO./LAB NO.	: 012410290021
REFERRED BY	:	RI	GISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	: 01519748	CC	LLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 29/Oct/2024 10:34AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sigr	does not tell the health practitioner acted by other conditions besides inf be used to monitor disease activity ematosus W ESR In with conditions that inhibit the non inficantly high white blood cell coun le cell anaemia) also lower the ESR.	r exactly where the lammation. For t and response to prmal sedimentat t (leucocytosis),	e inflammation is in the nis reason, the ESR is ty therapy in both of the a ion of red blood cells, s	picallý used in conjunction with other test such bove diseases as well as some others, such as





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

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







		hopra & Microbiology) onsultant Pathologist	Dr. Yugar MD CEO & Consultant	(Pathology)
NAME	: Mr. AMANPREET SINGH			
AGE/ GENDER	: 30 YRS/MALE]	PATIENT ID	: 1656213
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012410290021
REFERRED BY	:]	REGISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	: 01519748	(COLLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 29/Oct/2024 10:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI		TRY/BIOCHEMIST FASTING (F)	'nY
GLUCOSE FASTING by glucose oxidas	F (F): PLASMA E - PEROXIDASE (GOD-POD)	104.2 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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



Page 4 of 13





		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. AMANPREET SINGH	[
AGE/ GENDER	: 30 YRS/MALE	P	ATIENT ID	: 1656213
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012410290021
REFERRED BY	:	R	EGISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	:01519748	C	OLLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 29/Oct/2024 10:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROF	TLE : BASIC	
CHOLESTEROL TOT	AL: SFRUM	147.95	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		111.00	ing, ui	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: SI		67.5	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
	(DIRECT): SERUM	40.19	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI	ON			BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL		94.26	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	CTROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129.
				BORDERLINE HIGH: 130.0 - 159.0
				HIGH: 160.0 - 189.0
		107 70	/ 17	VERY HIGH: $> OR = 190.0$
NON HDL CHOLES'I		107.76	mg/dL	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 CHOLESTERC	L: SERUM	13.5	mg/dL	0.00 - 45.00
by CALCULATED, SPE	CTROPHOTOMETRY			
FOTAL LIPIDS: SER by CALCULATED, SPE		363.4	mg/dL	350.00 - 700.00
CHOLESTEROL/HD	L RATIO: SERUM	3.68	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	CTROPHOTOMETRY			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, 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 & Cor			(Pathology)
NAME	: Mr. AMANPREET SINGH			
AGE/ GENDER	: 30 YRS/MALE		PATIENT ID	: 1656213
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012410290021
REFERRED BY	:		REGISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	: 01519748		COLLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Oct/2024 10:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.35	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		1.68 ^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.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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

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

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







	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mr. AMANPREET SINGH			
AGE/ GENDER	: 30 YRS/MALE	Р	ATIENT ID	: 1656213
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012410290021
REFERRED BY	:	R	EGISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	:01519748	C	OLLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 29/Oct/2024 10:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION '	TEST (COMPLETE)	
BILIRUBIN TOTAL:		0.66	mg/dL	INFANT: 0.20 - 8.00
by DIAZOTIZATION, SP		0.10		ADULT: 0.00 - 1.20
	(CONJUGATED): SERUM PECTROPHOTOMETRY	0.18	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM CTROPHOTOMETRY	0.48	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	37.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY		91.3 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: SE	ERUM	0.41	RATIO	0.00 - 46.00
ALKALINE PHOSPH by PARA NITROPHENY PROPANOL	IATASE: SERUM VL PHOSPHATASE BY AMINO METHYL	87.86	U/L	40.0 - 130.0
GAMMA GLUTAMYI by SZASZ, SPECTROP	L TRANSFERASE (GGT): SERUM	39.23	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRON		7.32	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GI	REEN	4.68	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		2.64	gm/dL	2.30 - 3.50
by CALCULATED, SPE		1 77	DATIO	1.00 0.00
A : G RATIO: SERUN		1.77	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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

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

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







	, , , , , , , , , , , , , , , , , , , ,			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOI	RTING DATE	: 29/Oct/2024 10:51AM
BARCODE NO.	: 01519748	COLLE	CTION DATE	: 29/Oct/2024 09:54AM
REFERRED BY	:	REGIS	TRATION DATE	: 29/Oct/2024 09:51 AM
COLLECTED BY	: SURJESH	REG. N	O./LAB NO.	: 012410290021
AGE/ GENDER	: 30 YRS/MALE	PATIE	NT ID	: 1656213
NAME	: Mr. AMANPREET SINGH			
	MD (Pathology & Chairman & Con	Microbiology) sultant Pathologist	MD CEO & Consultant	(Pathology) : Pathologist
	Dr. Vinay Ch	opra	Dr. Yugam	n 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) V DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

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

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

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







	ITTED END			
	Dr. Vinay Cho MD (Pathology & M Chairman & Const	1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. AMANPREET SINGH			
AGE/ GENDER	: 30 YRS/MALE	PA	TIENT ID	: 1656213
COLLECTED BY	: SURJESH	RF	EG. NO./LAB NO.	: 012410290021
REFERRED BY	:	RH	GISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	: 01519748	CO	LLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RF	PORTING DATE	: 29/Oct/2024 10:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	KIDN	EY FUNCTION '	TEST (COMPLETE)
UREA: SERUM		23.09	mg/dL	10.00 - 50.00
by UREASE - GLUTAN CREATININE: SER	/ATE DEHYDROGENASE (GLDH) UM	1.16	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC	CTROPHOTOMETERY			
	ROGEN (BUN): SERUM	10.79	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	9.3 ^L	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININ		19.91	RATIO	
-	ECTROPHOTOMETRY			0.00 7.70
URIC ACID: SERUM by URICASE - OXIDAS		7.71 ^H	mg/dL	3.60 - 7.70
CALCIUM: SERUM		9.97	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SI		3.67	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY		0	
ELECTROLYTES		140.1	1/1	105.0 150.0
SODIUM: SERUM by ISE (ION SELECTIN	/E ELECTRODE)	142.1	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4	mmol/L	3.50 - 5.00
by ISE (ION SELECTIN CHLORIDE: SERUM		106.57	mmol/L	90.0 - 110.0
by ISE (ION SELECTI)	/E ELECTRODE)			
	MERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED	IERULAR FILTERATION RATE	86.9		
INTERPRETATION:				
	icon nro- and nost ronal azotomia			

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.



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 & Micro Chairman & Consultan	obiology)		i gam Chopra MD (Pathology) ultant Pathologist			
AME	: Mr. AMANP	REET SINGH						
GE/ GENDER	: 30 YRS/MAL	Е	PAT	TIENT ID	: 165621	3		
OLLECTED BY	: SURJESH		REC	G. NO./LAB NO.	: 01241	0290021		
EFERRED BY				GISTRATION DA		/2024 09:51	1 AM	
ARCODE NO.	: 01519748			LECTION DATE		/2024 09:54		
LIENT CODE.	: KOS DIAGNO			PORTING DATE	: 29/Oct	/2024 10:51	IAM	
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMBA	ALA CANTT					
Fest Name			Value	Unit		Biological	Reference i	interval
. Postrenal azotemia	a (BUN rises disp	icocorticoids) ATED CREATININE LEVE roportionately more t		(e.g. obstructive u	uropathy).			
Postrenal azotemia Prerenal azotemia PCREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis (Nherited hyperam SIADH (syndrome of Pregnancy. PCREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera STIMATED GLOMERL CKD STAGE G1	a (BUN rises disp superimposed of 10:1) WITH DECR osis. Ind starvation. e. creased urea sy (urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR upy (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr rapy (interferes JLAR FILTERATIO	ATED CREATININE LEVE roportionately more t on renal disease. EASED BUN : In creatinine diffuses o a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function	han creatinine) ut of extracellul blood). due to tubular s to creatinine). e in creatinine w rement). GFR (mL/m	ar fluid). ecretion of urea. /ith certain metho iin/1.73m2)	odologies,resulti ASSOCIATED FI No protein	INDINGS	Il ratio when o	dehydrat
Postrenal 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. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin thei STIMATED GLOMERU	a (BUN rises disp superimposed of 10:1) WITH DECR osis. Ind starvation. e. creased urea sy (urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR upy (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr rapy (interferes JLAR FILTERATIO	ATED CREATININE LEVE roportionately more t on renal disease. EASED BUN : In creatinine diffuses o a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with	han creatinine) ut of extracellul blood). due to tubular s to creatinine). e in creatinine w rement). GFR (mL/m	ar fluid). ecretion of urea. vith certain metho hin/1.73m2)	odologies,resulti ASSOCIATED FI No protein Presence of P	INDINGS nuria rotein ,	Il ratio when o	dehydrat
Postrenal 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. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients VAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE G1 G2	a (BUN rises disp superimposed of 10:1) WITH DECR osis. Ind starvation. e. creased urea sy (urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR upy (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr rapy (interferes JLAR FILTERATIO	ATED CREATININE LEVE roportionately more t on renal disease. EASED BUN : In creatinine diffuses on a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	han creatinine) ut of extracellul blood). due to tubular so to creatinine). e in creatinine w rement). GFR (mL/m >	ar fluid). ecretion of urea. /ith certain metho hin/1.73m2) 90	odologies,resulti ASSOCIATED FI No protein	INDINGS nuria rotein ,	Il ratio when o	dehydrat
Postrenal 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. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients IAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE G1	a (BUN rises disp superimposed of 10:1) WITH DECR osis. Ind starvation. e. creased urea sy (urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR upy (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr rapy (interferes JLAR FILTERATIO	ATED CREATININE LEVE roportionately more t on renal disease. EASED BUN : In creatinine diffuses o a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with	han creatinine) ut of extracellul blood). due to tubular so to creatinine). e in creatinine w rement). GFR (mL/m > 60	ar fluid). ecretion of urea. /ith certain metho iin/1.73m2)	odologies,resulti ASSOCIATED FI No protein Presence of P	INDINGS nuria rotein ,	Il ratio when o	dehydrat
Postrenal azotemia Prerenal azotemia Prerenal azotemia PCREASED 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 thee STIMATED GLOMERU G1 G2 G3a	a (BUN rises disp superimposed of 10:1) WITH DECR osis. Ind starvation. e. creased urea sy (urea rather tha imonemias (urea of inappropiate a to:1) WITH INCR upy (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr rapy (interferes <u>JLAR FILTERATIO</u> Non Ki Non Mod	ATED CREATININE LEVE roportionately more t on renal disease. EASED BUN : In creatinine diffuses on a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measur N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR ild decrease in GFR	han creatinine) ut of extracellul blood). due to tubular so to creatinine). e in creatinine w rement). GFR (mL/m > 60 30	ar fluid). ecretion of urea. /ith certain metho in/1.73m2) 90 90 -89	odologies,resulti ASSOCIATED FI No protein Presence of P	INDINGS nuria rotein ,	I ratio when o	dehydrat





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

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









	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	biology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mr. AMANPREET SINGH		
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID	: 1656213
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012410290021
REFERRED BY	:	REGISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	: 01519748	COLLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 29/Oct/2024 10:51AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAI	LA 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 Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD O & Consultant	(Pathology)	
NAME :	Mr. AMANPREET SINGH				
AGE/ GENDER :	30 YRS/MALE	PATIENT	ID	: 1656213	
COLLECTED BY :	SURJESH	REG. NO./	LAB NO.	: 012410290021	
REFERRED BY :			TION DATE	: 29/Oct/2024 09:51 AM : 29/Oct/2024 09:54AM	
	01519748	COLLECTI			
	KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD, A	REPORTING DATE AMBALA CANTT		: 29/Oct/2024 10:25AM	
Test Name		Value	Unit	Biological Reference interval	
		CUBICAL DATIO	LOCV		
		CLINICAL PATHO			
DUVCICAL EVAMINA		UTINE & MICROSCOP	IU EXAMINA	ATION	
PHYSICAL EXAMINATION QUANTITY RECIEVED		10	ml		
by DIP STICK/REFLECTA	NCE SPECTROPHOTOMETRY				
COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		PALE YELLOW		PALE YELLOW	
TRANSPARANCY		CLEAR		CLEAR	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY		1.02		1.002 - 1.030	
by DIP STICK/REFLECTA	NCE SPECTROPHOTOMETRY				
CHEMICAL EXAMINA REACTION	<u>ATION</u>	ACIDIC			
	NCE SPECTROPHOTOMETRY	ACIDIC			
PROTEIN	NCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
SUGAR		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTAI	NCE SPECTROPHOTOMETRY	5.5		5.0 - 7.5	
by DIP STICK/REFLECTA	NCE SPECTROPHOTOMETRY				
BILIRUBIN by DIP STICK/REFLECTAI	NCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
NITRITE		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Normal	EU/dL	0.2 - 1.0	
		Negative		NEGATIVE (-ve)	
		Negative		NEGATIVE (-ve)	
		Ŭ			
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-ve)		NEGATIVE (-ve)	
MICROSCOPIC EXAM					
RED BLOOD CELLS (R	2BCs)	NEGATIVE (-ve)	/HPF	0 - 3	





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

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







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



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

NAME	: Mr. AMANPREET SINGH			
AGE/ GENDER	: 30 YRS/MALE	Р	ATIENT ID	: 1656213
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012410290021
REFERRED BY	:	R	EGISTRATION DATE	: 29/Oct/2024 09:51 AM
BARCODE NO.	: 01519748	C	OLLECTION DATE	: 29/Oct/2024 09:54AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 29/Oct/2024 10:25AM
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	2-3	/HPF	0 - 5
EPITHELIAL CELLS		1-2	/HPF	ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/ ПРГ	ADSENT
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

