



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology)		(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE		PATIENT ID	: 1582023
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012408160030
REFERRED BY	:		REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149		COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Aug/2024 11:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	ELLNESS PANEL: 1.2	
	CON	/IPLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.8 ^L	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB	C) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.15 ^H	Millions/	2 cmm 3.50 - 5.00
PACKED CELL VOLUN		38.5 ^L	%	40.0 - 54.0
MEAN CORPUSCULA		74.8 ^L	fL	80.0 - 100.0
	R HAEMOGLOBIN (MCH)	22.9 ^L	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC)	30.6 ^L	g/dL	32.0 - 36.0
	ION WIDTH (RDW-CV) <i>utomated hematology analyzer</i>	15	%	11.00 - 16.00
	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	42	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		14.52	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	21.77	RATIO	BETA THALASSEMIA TRAIT: < = 65.0
WHITE BLOOD CELLS	G (WBCS)			IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE C		10100	/cmm	4000 - 11000
NUCLEATED RED BLC		NIL		0.00 - 20.00
MICROSCOPY	UTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %
DIFFERENTIAL LEUCO	<u>)CYTE COUNT (DLC)</u>			

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



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.





	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE	1	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012408160030
REFERRED BY	:]	REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	: 01515149		COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 16/Aug/2024 11:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
NEUTROPHILS		64	%	50 - 70
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	28	%	20 - 40
	Y BY SF CUBE & MICROSCOPY			20 10
EOSINOPHILS		2	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	6	%	2 - 12
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	, i i i i i i i i i i i i i i i i i i i		
BASOPHILS		0	%	0 - 1
ABSOLUTE LEUKOCY	Y BY SF CUBE & MICROSCOPY (TFS (WBC) COUNT			
ABSOLUTE NEUTRO		6464	/cmm	2000 - 7500
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0101	701111	2000 1000
ABSOLUTE LYMPHO		2828	/cmm	800 - 4900
ABSOLUTE EOSINOP	Y BY SF CUBE & MICROSCOPY HIL COUNT	202	/cmm	40 - 440
	Y BY SF CUBE & MICROSCOPY	202	/ 011111	
ABSOLUTE MONOCY		606	/cmm	80 - 880
	Y BY SF CUBE & MICROSCOPY HER PLATELET PREDICTIVE MARKE	RS.		
PLATELET COUNT (P		332000	/cmm	150000 - 450000
by HYDRO DYNAMIC F	FOCUSING, ELECTRICAL IMPEDENCE	002000	/ 011111	
PLATELETCRIT (PCT)		0.3	%	0.10 - 0.36
MEAN PLATELET VO	FOCUSING, ELECTRICAL IMPEDENCE	9	fL	6.50 - 12.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			0.00 12.0
	LL COUNT (P-LCC)	65000	/cmm	30000 - 90000
PLATELET LARGE CEI		19.7	%	11.0 - 45.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
	. ,	16	%	15.0 - 17.0
	FOCUSING, ELECTRICAL IMPEDENCE			



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

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







	Dr. Vinay Che MD (Pathology & Chairman & Cons	Microbiology)	ugam Chopra MD (Pathology) ultant Pathologist
NAME	: Mr. ABHISHEK BARI		
AGE/ GENDER	: 29 YRS/MALE	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012408160030
REFERRED BY	:	REGISTRATION DA	TE : 16/Aug/2024 11:20 AM
BARCODE NO.	: 01515149	COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Aug/2024 11:49AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	
Fest Name		Value Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTATION RATE	E (ESR)
	MENTATION RATE (ESR)	28 ^H mm.	/1st hr 0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO	does not tell the health practition ected by other conditions besides be used to monitor disease activi ematosus W ESR	ner exactly where the inflammation is inflammation. For this reason, the ESR	nmation associated with infection, cancer and auto- in the body or what is causing it. It is typically used in conjunction with other test such the above diseases as well as some others, such as

NOTE:

1. ESR and C - reactive protein (C-RP) are both markers of inflammation. 2. Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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





		.hopra & Microbiology) onsultant Pathologist	Dr. Yugarı MD CEO & Consultant	(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE	P	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH	F	EG. NO./LAB NO.	: 012408160030
REFERRED BY	:	R	EGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	: 01515149	C	COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	F	REPORTING DATE	: 16/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMIST	RY/BIOCHEMISTR	Y
		GLUCOSE I	FASTING (F)	
GLUCOSE FASTING (F): PLASMA e - peroxidase (god-pod)	96.47	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		hopra & Microbiology) nsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
	: Mr. ABHISHEK BARI : 29 YRS/MALE	РА	TIENT ID	: 1582023
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012408160030
REFERRED BY	:	RE	GISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149	CO	LLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 16/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTAL: by CHOLESTEROL OXID		181.71	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
RIGLYCERIDES: SERU by GLYCEROL PHOSPH	M ATE OXIDASE (ENZYMATIC)	153.59 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (D by SELECTIVE INHIBITIO		36.07	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
DL CHOLESTEROL: SE by CALCULATED, SPEC		114.92	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 CHOLESTER by CALCULATED, SPEC		145.64 ^H	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
/LDL CHOLESTEROL: S		30.72	mg/dL	0.00 - 45.00
by CALCULATED, SPEC OTAL LIPIDS: SERUM by CALCULATED, SPEC		517.01	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL R/ by CALCULATED, SPEC	ATIO: SERUM	5.04 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
DL/HDL RATIO: SERU by calculated, spec		3.19 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

回知思济

117

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.





		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE	PATI	ENT ID	: 1582023
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012408160030
REFERRED BY	:	REGIS	STRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	: 01515149	COLL	ECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 16/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDL by CALCULATED, SPE		4.26	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 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)







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE]	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH	1	REG. NO./LAB NO.	: 012408160030
REFERRED BY	:	1	REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149		COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Aug/2024 12:08PM
CLIENT CODE.	: 6349/1, NICHOLSON ROAD, AN		REI ONTING DATE	. 10/ Aug/ 2024 12.001 M
CLIENI ADDRESS	. 0549/ I, NICHOLSON ROAD, AI	VIDALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION	I TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.41	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT by CALCULATED, SPE	C (UNCONJUGATED): SERUM	0.29	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	24.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT P	YRIDOXAL PHOSPHATE	49.2 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: SER by CALCULATED, SPE		0.51	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by Para Nitrophen propanol	TASE: SERUM I'VL PHOSPHATASE BY AMINO METHYL	82.01	U/L	40.0 - 130.0
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM PHTOMETRY	73.39 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: SI	ERUM	6.75	gm/dL	6.20 - 8.00
ALBUMIN: SERUM	REEN	4.17	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY	2.58	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.62	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)





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

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

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 CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F	iology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mr. ABHISHEK BARI		
AGE/ GENDER	: 29 YRS/MALE	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012408160030
REFERRED BY	:	REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149	COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	V	alue Unit	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).

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)







	Dr. Vinay Cl MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE	1	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012408160030
REFERRED BY	:		REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149		COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Test Name		Value	Unit	Biological Reference interval
	к	DNEY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		22.89	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)		g. u	
CREATININE: SERUN		1.02	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC)GEN (BUN): SERUM	10.7	mg/dL	7.0 - 25.0
	ECTROPHOTOMETRY	10.7	nig/uL	7.0 - 23.0
BLOOD UREA NITRO	GEN (BUN)/CREATININE	10.49	RATIO	10.0 - 20.0
RATIO: SERUM				
		22.44	RATIO	
UREA/CREATININE I by CALCULATED, SPE	ECTROPHOTOMETRY	22.44	RATIO	
URIC ACID: SERUM		7.22	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE			
CALCIUM: SERUM by ARSENAZO III, SPE		9.76	mg/dL	8.50 - 10.60
PHOSPHOROUS: SEF		3.76	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
sodium: serum		140.1	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV		4.07		
POTASSIUM: SERUN by ISE (ION SELECTIV		4.27	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		105.07	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV				
ESTIMATED GLOME	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	102		
(eGFR): SERUM				
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)







		Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		gam Chopra MD (Pathology) tant Pathologist	
NAME	: Mr. ABHIS				O	
AGE/ GENDER	: 29 YRS/MA		1	PATIENT ID	: 1582023	
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	:012408160030	
REFERRED BY	:		I	REGISTRATION DAT	E : 16/Aug/2024 11:2	20 AM
BARCODE NO.	:01515149		(COLLECTION DATE	: 16/Aug/2024 11:2	28AM
CLIENT CODE.	: KOS DIAGN	JOSTIC LAB	I	REPORTING DATE	: 16/Aug/2024 12:0	08PM
CLIENT ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMBA	ALA CANTT			
Test Name			Value	Unit	Biological	Reference interval
5. Inherited hyperam 7. SIADH (syndrome o 3. Pregnancy. DECREASED RATIO (<	nd starvation. te. ecreased urea s (urea rather th monemias (ure of inappropiate 10:1) WITH INC apy (accelerate:	an creatinine diffuses c ea is virtually absent in e antidiuretic harmone) REASED CREATININE: is conversion of creatine	blood). due to tubula	r secretion of urea.		
 Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in 	who develop r): psis (acetoaceta acreased BUN/o	renal failure. ate causes false increas		e with certain method	dologies,resulting in norma	al ratio when dehydratio
ESTIMATED GLOMERU	ULAR FILTERATI	ION RATE:				7
CKD STAGE		DESCRIPTION	GFR (ml	/min/1.73m2)	ASSOCIATED FINDINGS	4
G1 G2		ormal kidney function Kidney damage with	-	>90 >90	No proteinuria Presence of Protein,	-
02		normal or high GFR			Albumin or cast in urine	
		Vild decrease in GFR				-1
G3a	15			60 -89		

Moderate decrease in GFR
Severe decrease in GFR
Kidney failure

30-59

15-29

<15

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

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



G3b

G4

G5







	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	ology) MD	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. ABHISHEK BARI		
AGE/ GENDER	: 29 YRS/MALE	PATIENT ID	: 1582023
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012408160030
REFERRED BY	:	REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	: 01515149	COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue 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)







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	Microbiology)		(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE		PATIENT ID	: 1582023
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012408160030
REFERRED BY	:		REGISTRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149		COLLECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Aug/2024 12:14PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	ſ	
Test Name		Value	Unit	Biological Reference interval
		ENDO	CRINOLOGY	
	TH	IYROID FUN	CTION TEST: TOTAL	
TRIIODOTHYRONINI	E (T3): SERUM VESCENT MICROPARTICLE IMMUNOASS	0.976 SAY)	ng/mL	0.35 - 1.93
THYROXINE (T4): SE by CMIA (CHEMILUMIN	RUM NESCENT MICROPARTICLE IMMUNOASS	9.81 SAY)	µgm/dL	4.87 - 12.60
	ING HORMONE (TSH): SERUM	2.715 SAY)	μIU/mL	0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:	RASENSITIVE			
day has influence on the trilodothyronine (T3).Fai		stimulates the pr	oduction and secretion of the m	m. The variation is of the order of 50%.Hence time of etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	Т3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (eg: phenytoin , salicylates).

3. Serum T4 levies in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHY	(RONINE (T3)	THYROX	NE (T4)	THYROID STIMUL	ATING HORMONE (TSH)
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (μIU/mL)
0-7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40





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

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







		Dr. Vinay Cho MD (Pathology & I Chairman & Const	Microbiology)		MD (P	Chopra Pathology) athologist	
NAME	: Mr. ABHISH	IEK BARI					
AGE/ GENDER	: 29 YRS/MAI	Æ		PATIENT ID		: 1582023	
COLLECTED BY	: SURJESH			REG. NO./LAB NO.		:0124081600	30
REFERRED BY	:			REGISTRATION DA	ATE	:16/Aug/20241	1:20 AM
BARCODE NO.	:01515149			COLLECTION DAT	E	:16/Aug/20241	1:28AM
CLIENT CODE.	: KOS DIAGN	OSTIC LAB		REPORTING DATE	2	:16/Aug/20241	2:14PM
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, A	MBALA CANTT				
Test Name			Value	Uni	it	Biologi	cal Reference interval
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7	7.00	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5	5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 -	5.50	

> 20 Years (Adults)

0.10 - 2.50

0.20 - 3.00

0.30 - 4.10

0.35-5.50

3rd Trimester

INCREASED TSH LEVELS: 1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

4.87 - 12.60

RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (µIU/mL)

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

> 20 Years (Adults)

3.Hashimotos thyroiditis

> 20 years (Adults)

4.DRUGS: Amphetamines, idonie containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

0.35 - 1.93

1st Trimester

2nd Trimester

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester



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





	Dr. Vinay Chc MD (Pathology & I Chairman & Const	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE	PATIE	INT ID	: 1582023
COLLECTED BY	: SURJESH	REG. N	IO./LAB NO.	: 012408160030
REFERRED BY	:	REGIS	TRATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	: 01515149		ECTION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 16/Aug/2024 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			110/1148/ 2021 11110121
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	IOLOGY	
		OUTINE & MICROSC		
PHYSICAL EXAMINA				
		10		
QUANTITY RECIEVED	CTANCE SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
	TANCE SPECTROPHOTOMETRY			
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY		>=1.030		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINA	ATION			
REACTION		ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Nogativo		
SUGAR		Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
	TANCE SPECTROPHOTOMETRY	<=0.0		0.0 7.0
BILIRUBIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	Negative		
		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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

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







Dr. Vinay Chopra MD (Pathology & Microbiology)

Chairman & Consultant Pathologist



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

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT

NAME	: Mr. ABHISHEK BARI			
AGE/ GENDER	: 29 YRS/MALE	PATIENT	ID	: 1582023
COLLECTED BY	: SURJESH	REG. NO./	/LAB NO.	: 012408160030
REFERRED BY	:	REGISTRA	ATION DATE	: 16/Aug/2024 11:20 AM
BARCODE NO.	:01515149	COLLECT	ION DATE	: 16/Aug/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTI	NG DATE	: 16/Aug/2024 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
	: 6349/1, NICHOLSON ROAD, AI		Unit	Riclogical Deference interval
CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD, Al	Value	Unit	Biological Reference interval
Test Name RED BLOOD CELLS (F			Unit /HPF	Biological Reference interval 0 - 3
Test Name RED BLOOD CELLS (F by MICROSCOPY ON C PUS CELLS	RBCs)	Value		

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

** End Of Report ***

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT



CRYSTALS

BACTERIA

OTHERS

CASTS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

TRICHOMONAS VAGINALIS (PROTOZOA)



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

