



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mr. SHUBHAM			
AGE/ GENDER	: 30 YRS/MALE		PATIENT ID	: 1680796
COLLECTED BY	:		REG. NO./LAB NO.	: 012411240011
REFERRED BY	:		REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	:01521344		COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 24/Nov/2024 10:02AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTI	ſ	
Test Name		Value	Unit	Biological Reference interval
	COMP		ELLNESS PANEL: 1. .00D COUNT (CBC)	0
	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI by CALORIMETRIC	3)	15.2	gm/dL	12.0 - 17.0
RED BLOOD CELL (I	RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	5.08 ^H	Millions	/cmm 3.50 - 5.00
PACKED CELL VOLU		46.7	%	40.0 - 54.0
by CALCULATED BY AU MEAN CORPUSCULA	utomated hematology analyzer AR VOLUME (MCV)	92	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	29.8	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	32.5	g/dL	32.0 - 36.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER JTION WIDTH (RDW-CV)	13.4	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	UTION WIDTH (RDW-SD) utomated hematology analyzer	46.1	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		18.11	RATIO	BETA THALASSEMIA TRAIT: <
by CALCOLATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING IND by CALCULATED	EX	24.17	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
				IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CEI	TS (WBCS)			65.0
TOTAL LEUCOCYTE		6460	/cmm	4000 - 11000
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY		/ chilli	
	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED B	LOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %

57 25.

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. SHUBHAM		
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID	: 1680796
COLLECTED BY	:	REG. NO./LAB NO.	: 012411240011
REFERRED BY	:	REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	: 01521344	COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 24/Nov/2024 10:02AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE	COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE	& MICROSCOPY	54	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE	& MICROSCOPY	34	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE	& MICROSCOPY	3	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE	& MICROSCOPY	9	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE		0	%	0 - 1
ABSOLUTE LEUKOCYTES (WI	<u>BC) COUNT</u>			
ABSOLUTE NEUTROPHIL COU by FLOW CYTOMETRY BY SF CUBE		3488	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COU by FLOW CYTOMETRY BY SF CUBE		2196	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUN by FLOW CYTOMETRY BY SF CUBE		194	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE		581	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE		0	/cmm	0 - 110
PLATELETS AND OTHER PLA	TELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELL	ECTRICAL IMPEDENCE	329000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELL		0.37 ^H	%	0.10 - 0.36
MEAN PLATELET VOLUME (MI by HYDRO DYNAMIC FOCUSING, EL		11	fL	6.50 - 12.0
PLATELET LARGE CELL COUN by HYDRO DYNAMIC FOCUSING, ELL		115000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO	ECTRICAL IMPEDENCE	35	%	11.0 - 45.0
PLATELET DISTRIBUTION WII by hydro dynamic focusing, eli NOTE: TEST CONDUCTED ON EI	ECTRICAL IMPEDENCE	16.6	%	15.0 - 17.0



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		(Pathology)
NAME	: Mr. SHUBHAM		
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID	: 1680796
COLLECTED BY	:	REG. NO./LAB NO.	: 012411240011
REFERRED BY	:	REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	:01521344	COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 24/Nov/2024 10:02AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval



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		Dr. Yugan MD CEO & Consultant	(Pathology)
AME	: Mr. SHUBHAM			
GE/ GENDER	: 30 YRS/MALE	PATI	ENT ID	: 1680796
OLLECTED BY	:	REG.	NO./LAB NO.	: 012411240011
EFERRED BY	:	REGI	STRATION DATE	: 24/Nov/2024 09:41 AM
ARCODE NO.	:01521344	COLL	ECTION DATE	: 24/Nov/2024 09:50AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 24/Nov/2024 10:18AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
by RED CELL AGGRE NTERPRETATION: . ESR is a non-specil nmune disease, but . An ESR can be affe s C-reactive protein	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMET ic test because an elevated resu does not tell the health practiti cted by other conditions beside be used to monitor disease acti	ROCYTE SEDIMEN 2 RY ult often indicates the pr oner exactly where the i s inflammation. For this	FATION RATE (mm/1st esence of inflammat inflammation is in the reason, the ESR is typ	ESR) hr 0 - 20 ion associated with infection, cancer and auto-





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



Page 4 of 14





	MD (Path	ay Chopra nology & Microbiology) n & Consultant Pathologist		(Pathology)
NAME	: Mr. SHUBHAM			
AGE/ GENDER	: 30 YRS/MALE		PATIENT ID	: 1680796
COLLECTED BY	:		REG. NO./LAB NO.	: 012411240011
REFERRED BY	:		REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	:01521344		COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LA	В	REPORTING DATE	: 24/Nov/2024 10:41AM
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	C	LINICAL CHEMIST	FRY/BIOCHEMIST	'RY
		GLUCOSE	FASTING (F)	

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

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.

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 5 of 14





) 9001 : 2008 CERTI	FIED LAB		EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS	
	Dr. Vinay Ch MD (Pathology & Chairman & Cor		obiology) MD (Pathology)		
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. SHUBHAM : 30 YRS/MALE : : : 01521344 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1680796 : 012411240011 : 24/Nov/2024 09:41 AM : 24/Nov/2024 09:50AM : 24/Nov/2024 10:56AM	
Test Name		Value	Unit	Biological Reference interval	
		LIPID PRO	OFILE : BASIC		
CHOLESTEROL TOT by CHOLESTEROL OXI		156.48	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0	
TRIGLYCERIDES: SE by GLYCEROL PHOSPH	ERUM HATE OXIDASE (ENZYMATIC)	82.73	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 INHIBITIC		40.81	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0	
LDL CHOLESTEROL by CALCULATED, SPEC		99.12	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, spec		115.67	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		16.55	mg/dL	0.00 - 45.00	
OTAL LIPIDS: SER	UM	395.69	mg/dL	350.00 - 700.00	
CHOLESTEROL/HD by CALCULATED, SPEC	L RATIO: SERUM	3.83	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0	

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 Patholog		(Pathology)
NAME	: Mr. SHUBHAM		
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID	: 1680796
COLLECTED BY	:	REG. NO./LAB NO.	: 012411240011
REFERRED BY	:	REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	: 01521344	COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 24/Nov/2024 10:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
I			
Test Name	Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		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







Nile.
EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. SHUBHAM AGE/ GENDER : 30 YRS/MALE **PATIENT ID** :1680796 **COLLECTED BY** :012411240011 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 24/Nov/2024 09:41 AM : **BARCODE NO.** :01521344 **COLLECTION DATE** : 24/Nov/2024 09:50AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :24/Nov/2024 10:56AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 0.75 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20

BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.58	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	29.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	48.1	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.62	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	87.75	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	32.94	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.33	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.52	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.81	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.61	RATIO	1.00 - 2.00

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)
<u> </u>	





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 & Microbio Chairman & Consultant Pat	e, ,	(Pathology)
NAME	: Mr. SHUBHAM		
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID	: 1680796
COLLECTED BY	:	REG. NO./LAB NO.	: 012411240011
REFERRED BY	:	REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	:01521344	COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 24/Nov/2024 10:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Val	lue 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)

 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







n Chopra 9 (Pathology) t Pathologist	
0011	
4 09:41 AM	
4 09:50AM	
4 10:56AM	
ogical Reference interval	
00 - 50.00	
1 40	
) - 1.40	
- 25.0	
) - 20.0	
) - 7.70	
) - 10.60	
) - 4.70	
7 - 4.70	
.0 - 150.0	
) - 5.00	
) - 110.0	

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
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Ch MD (Pathology & Chairman & Con	Microbiology)	Dr. Yugam MD & Consultant	(Pathology)	
NAME	: Mr. SHUBHAM				
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID		: 1680796	
COLLECTED BY		REG. NO./LA	B NO.	:012411240011	
REFERRED BY		REGISTRAT		: 24/Nov/2024 09:4	41 AM
BARCODE NO.	: 01521344	COLLECTION		: 24/Nov/2024 09:5	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING	DATE	: 24/Nov/2024 10:5	56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biologica	al Reference interva
2. Prerenal azotemia 2. Prerenal azotemia	a (BUN rises disproportionately m	E LEVELS: nore than creatinine) (e.g. obst	ructive uropa	thy).	
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin thei 	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu imonemias (urea is virtually abse of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. 0: usis (acetoacetate causes false in preased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE:	nore than creatinine) (e.g. obst uses out of extracellular fluid). ent in blood). none) due to tubular secretion o VE: eatine to creatinine). acrease in creatinine with certa neasurement).	of urea. in methodolo	gies,resulting in norma	al ratio when dehydra
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of decision Repeated dialysis Inherited hyperam SIADH (syndrome of the syndrome of the synd	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. D: posis (acetoacetate causes false in increased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION	nore than creatinine) (e.g. obst uses out of extracellular fluid). ent in blood). none) due to tubular secretion o VE: eatine to creatinine). crease in creatinine with certa neasurement).	of urea. in methodolo	gies,resulting in norma	al ratio when dehydra
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin their ESTIMATED GLOMERI G1 	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. D: osis (acetoacetate causes false in increased BUN/creatinine ratio). rapy (interferes with creatinine m ULAR FILTERATION RATE: DESCRIPTION Normal kidney func:	nore than creatinine) (e.g. obst uses out of extracellular fluid). ent in blood). none) due to tubular secretion o VE: eatine to creatinine). crease in creatinine with certa neasurement). GFR (mL/min/1.73m tion >90	of urea. in methodolo	gies,resulting in norma OCIATED FINDINGS No proteinuria	al ratio when dehydra
 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of decision Repeated dialysis Inherited hyperam SIADH (syndrome of the syndrome of the synd	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. Desis (acetoacetate causes false in increased BUN/creatinine ratio). rapy (interferes with creatinine m ULAR FILTERATION RATE: DESCRIPTION Normal kidney functi-	nore than creatinine) (e.g. obstitutes out of extracellular fluid). ent in blood). none) due to tubular secretion of VE: eatine to creatinine). hcrease in creatinine with certa neasurement). GFR (mL/min/1.73m tion >90 th >90	of urea. in methodolo	gies,resulting in norma OCIATED FINDINGS No proteinuria esence of Protein ,	al ratio when dehydra
 Prerenal azotemia PCREASED RATIO (Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. PCREASED RATIO (Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin their STIMATED GLOMERI CKD STAGE 	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. D: osis (acetoacetate causes false in increased BUN/creatinine ratio). rapy (interferes with creatinine m ULAR FILTERATION RATE: DESCRIPTION Normal kidney func:	nore than creatinine) (e.g. obst uses out of extracellular fluid). ent in blood). none) due to tubular secretion of VE: eatine to creatinine). crease in creatinine with certa neasurement). GFR (mL/min/1.73m tion >90 th >90 FR	of urea. in methodolo	gies,resulting in norma OCIATED FINDINGS No proteinuria	al ratio when dehydra
2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet and 3. Severe liver diseas 4. Other causes of dec 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin theration 2. Cephalosporin theration 3. CKD STAGE G1 G2	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in increased BUN/creatinine ratio). rapy (interferes with creatinine m <u>ULAR FILTERATION RATE:</u> <u>DESCRIPTION</u> <u>Normal kidney func:</u> <u>Kidney damage wi- normal or high GF</u> <u>Mild decrease in G</u>	nore than creatinine) (e.g. obstitutes out of extracellular fluid). ent in blood). none) due to tubular secretion of VE: eatine to creatinine). Acrease in creatinine with certa neasurement). GFR (mL/min/1.73m tion >90 th >90 FR 60 -89 n GFR 30-59	of urea. in methodolo	gies,resulting in norma OCIATED FINDINGS No proteinuria esence of Protein ,	al ratio when dehydra
2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet and 3. Severe liver diseas 4. Other causes of dec 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin there ESTIMATED GLOMERI G1 G2 G3a	a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. nd starvation. e. ecreased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ apy (accelerates conversion of cre- releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in increased BUN/creatinine ratio). rapy (interferes with creatinine m ULAR FILTERATION RATE: DESCRIPTION Normal kidney func- Kidney damage wi normal or high GF Mild decrease in G	nore than creatinine) (e.g. obstitutes out of extracellular fluid). ent in blood). none) due to tubular secretion of VE: eatine to creatinine). Acrease in creatinine with certa neasurement). GFR (mL/min/1.73m tion >90 th >90 FR 60 -89 n GFR 30-59	of urea. in methodolo	gies,resulting in norma OCIATED FINDINGS No proteinuria esence of Protein ,	al ratio when dehydra



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









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. SHUBHAM		
AGE/ GENDER	: 30 YRS/MALE	PATIENT ID	: 1680796
COLLECTED BY	:	REG. NO./LAB NO.	: 012411240011
REFERRED BY	:	REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	: 01521344	COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 24/Nov/2024 10:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
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	Microbiology)	Dr. Yugam MD EO & Consultant	(Pathology)
NAME	: Mr. SHUBHAM			
AGE/ GENDER	: 30 YRS/MALE	PATIENT	ſIJ	: 1680796
COLLECTED BY	:	REG. NO.	/LAB NO.	:012411240011
REFERRED BY	:	REGISTE	RATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	:01521344		TION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ING DATE	: 24/Nov/2024 10:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO	DLOGY	
	URINE RO	UTINE & MICROSCO	PIC EXAMINA	ATION
PHYSICAL EXAMIN	ATION			
QUANTITY RECIEVE	ED TANCE SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	>=1.030		1.002 - 1.030
CHEMICAL EXAMIN				
REACTION by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EXA RED BLOOD CELLS		NEGATIVE (-ve)	/HPF	0 - 3

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

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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



M. CHIDILAN

NANGE





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

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

NAME	: Mr. SHUBHAM			
AGE/ GENDER	: 30 YRS/MALE	1	PATIENT ID	: 1680796
COLLECTED BY	:]	REG. NO./LAB NO.	: 012411240011
REFERRED BY	:]	REGISTRATION DATE	: 24/Nov/2024 09:41 AM
BARCODE NO.	:01521344	(COLLECTION DATE	: 24/Nov/2024 09:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 24/Nov/2024 10:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		2-3	/HPF	0 - 5

EPITHELIAL CELLS 1-2 /HPF ABSENT by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT 1-2 /HPF ABSENT	
CRYSTALS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT NEGATIVE (-ve))
CASTS NEGATIVE (-ve) NEGATIVE (-ve))
BACTERIA NEGATIVE (-ve) NEGATIVE (-ve))
OTHERS NEGATIVE (-ve) NEGATIVE (-ve))
TRICHOMONAS VAGINALIS (PROTOZOA) ABSENT ABSENT by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT 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

