



Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME : Mr. SHIVANSH AGE/ GENDER : 26 YRS/MALE COLLECTED BY : REFERRED BY : BARCODE NO. : 01522641 CLIENT CODE. : KOS DIAGNOSTIC LAB CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMB.	ALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1702472 : 012412180042 : 18/Dec/2024 01:56 PM : 18/Dec/2024 01:57PM : 18/Dec/2024 02:27PM
Test Name	Value	Unit	Biological Reference interval
COMP RED BLOOD CELLS (RBCS) COUNT AND INDICES	PLETE BLO	LLNESS PANEL: 1. OOD COUNT (CBC)	
HAEMOGLOBIN (HB) by CALORIMETRIC	15.3	gm/dL	12.0 - 17.0
RED BLOOD CELL (RBC) COUNT by hydro dynamic focusing, electrical impedence PACKED CELL VOLUME (PCV)	5.44^H 47	Millions, %	/cmm 3.50 - 5.00 40.0 - 54.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR VOLUME (MCV)	86.4	fL	80.0 - 100.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR HAEMOGLOBIN (MCH)	28.1	pg	27.0 - 34.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)	32.6	g/dL	32.0 - 36.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	13.3	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	42.8	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED	15.88	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	21.1	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)	0010		4000 11000
FOTAL LEUCOCYTE COUNT (TLC) by flow cytometry by sf cube & microscopy NUCLEATED RED BLOOD CELLS (nRBCS)	6810 NIL	/cmm	4000 - 11000 0.00 - 20.00
by AUTOMATED RED BLOOD CELLS (IRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER NUCLEATED RED BLOOD CELLS (IRBCS) % by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %



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Page 1 of 20





EXCELLENCE IN HEALTHCARE & DIAGNOSTICS Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

	Dr. Vinay Cho MD (Pathology & M Chairman & Const	1icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
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DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS	59	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES	30	%	20 - 40
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES	7	%	2 - 12
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	0/	0.1
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	4018	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	2043	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	272	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	477	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by flow cytometry by sf cube & microscopy	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	298000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.29	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	10	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	69000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	23.2	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.1	%	15.0 - 17.0





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Test Name		Value Unit	Biological Reference interval



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Test Name		Value	Unit	Biological Reference interval
WHOLE BLOOD	EMOGLOBIN (HbA1c):	5.9 5.9	EMOGLOBIN (HBA1)	4.0 - 6.4
	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	122.63	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFOR	RMANCE LIQUID CHROMATOGRAPHY)			
	AS PER AMERICAN D	IABETES ASSOCI	ATION (ADA):	
INTERPRETATION:			ATION (ADA): YCOSYLATED HEMOGLOGIB	(HBAIC) in %
INTERPRETATION:	AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years		YCOSYLATED HEMOGLOGIB <5.7	(HBAIC) in %
INTERPRETATION: Non dia A	AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)		YCOSYLATED HEMOGLOGIB <5.7 5.7 – 6.4	(HBAIC) in %
INTERPRETATION: Non dia A	AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years		YCOSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5	(HBAIC) in %
INTERPRETATION:	AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	GL	YCOSYLATED HEMOGLOGIB <5.7 5.7 – 6.4	(HBAIC) in %
INTERPRETATION: Non dia A D	AS PER AMERICAN D REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	GL	YCOSYLATED HEMOGLOGIB <5.7	< 7.0

COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate.

4.High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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Page 4 of 20





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Test Name			Value	Unit	Biological Reference interval
mmune disease, but 2. An ESR can be affe	GATION BY CAPILL ic test because a does not tell the cted by other co	RATE (ESR) ARY PHOTOMETRY in elevated result o health practitione	2 ften indicates r exactly wher	e the inflammation is in the	
by RED CELL AGGRE NTERPRETATION: 1. ESR is a non-specifi mmune disease, but 2. An ESR can be affe is C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see	GATION BY CAPILL ic test because a does not tell the cted by other co be used to moni ematosus W ESR n with condition nificantly high wh e cell anaemia)	RATE (ESR) ARY PHOTOMETRY health practitione nditions besides in tor disease activity s that inhibit the nu nite blood cell cour also lower the ESR	2 ften indicates r exactly wher flammation. Fo and response ormal sedimer it (leucocytosis	mm/1st the presence of inflammat e the inflammation is in the or this reason, the ESR is ty to therapy in both of the a station of red blood cells, s s) , and some protein abno	hr 0 - 20 ion associated with infection, cancer and auto- e body or what is causing it.





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Page 5 of 20





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Test Name		Value	Unit	Biological Reference interval
	CI	INICAL CHEMIST	RY/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.



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FIED LAB		EXCELLENCE IN HEALTHCAR	E & DIAGNOSTICS			
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	Value	Unit	Biological Reference interval			
	LIPID P	ROFILE : BASIC				
AL: SERUM	292.5 ^H	mg/dL	OPTIMAL: < 200.0			
IDASE PAP	292.3	ing, ui	BORDERLINE HIGH: 200.0 -			
			239.0 HIGH CHOLESTEROL: > OR =			
			HIGH CHOLESTEROL: > 0R = 240.0			
ERUM	130.12	mg/dL	OPTIMAL: < 150.0			
HATE OXIDASE (EI	NZYMATIC)		BORDERLINE HIGH: 150.0 - 199.0			
			HIGH: 200.0 - 499.0			
			VERY HIGH: $> OR = 500.0$			
. (DIRECT): SEF on	RUM 56.75	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 -			
			60.0			
CEDUM		T	HIGH HDL: $> OR = 60.0$			
:: SERUM Ctrophotometr	209.73¹	m 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			
EROL: SERUM	235.75 ¹	m mg/dL	OPTIMAL: < 130.0			
CTROPHOTOMETR	ζŶ		ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 -			
			189.0			
			HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0			
L: SERUM	26.02	mg/dL	0.00 - 45.00			
CTROPHOTOMETR	RY					
UM CTROPHOTOMETR	715.12 ¹	m mg/dL	350.00 - 700.00			
L RATIO: SERU		RATIO	LOW RISK: 3.30 - 4.40			
CTROPHOTOMETR	ζΥ		AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0			
			HIGH RISK: > 11.0			
		Λ				

NAME

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CLIENT CODE.

Test Name

CLIENT ADDRESS

CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP

TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)	130.12
HDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION	56.75
LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY	209.73 ^H
NON HDL CHOLESTEROL: SERUM by Calculated, Spectrophotometry	235.75 ^H

VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMET TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMET CHOLESTEROL/HDL RATIO: SER by CALCULATED, SPECTROPHOTOMET

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Page 7 of 20





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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		3.7 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		2.29 ^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





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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI		1.6 ^H	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.32	mg/dL	0.00 - 0.40
	CCT (UNCONJUGATED): SERUM	1.28 ^H	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[/RIDOXAL PHOSPHATE	205.6 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	399.1 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	0.52	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	95.57	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	122.9 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	8.44 ^H	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.49	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	I ECTROPHOTOMETRY	3.95 ^H	gm/dL	2.30 - 3.50
A : G RATIO: SERU	M ectrophotometry	1.14	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)





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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).

GOOD PROGNOSTIC SIGN 0.3 - 0.6	
POOR PROGNOSTIC SIGN 1.2 - 1.6	



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Test Name		Value	Unit	Biological Reference interv
	KIDNI	Y FUNCTION	TEST (COMPLETE)	
UREA: SERUM	KID IVI	30.06	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)	30.00	ing/ uL	10.00 - 50.00
CREATININE: SERU		1.06	mg/dL	0.40 - 1.40
•	by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		mg/dL	7.0 - 25.0
by CALCULATED, SPE	CTROPHOTOMETRY	14.05		
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	13.25	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		28.36	RATIO	
by CALCULATED, SPE URIC ACID: SERUM		8.04 ^H	mg/dL	3.60 - 7.70
by URICASE - OXIDAS				
CALCIUM: SERUM by ARSENAZO III, SPE		9.95	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE		3.23	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY		0	
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	142.5	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4.21	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		106.88	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV		100.00	IIIII01/ L	90.0 - 110.0
ESTIMATED GLOM	IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	99.3		
(eGFR): SERUM by CALCULATED				
INTERPRETATION				

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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





	٢	Dr. Vinay Chopra 1D (Pathology & Micr Thairman & Consultar	obiology)	Dr. Yugan MD & Consultant	(Pathology)	
IAME	: Mr. SHIVANS	Н				
AGE/ GENDER	: 26 YRS/MALE		PATIENT ID		: 1702472	
COLLECTED BY	:		REG. NO./LA	B NO.	:012412180042	
REFERRED BY			REGISTRATI	ON DATE	: 18/Dec/2024 01:5	56 PM
BARCODE NO.	:01522641		COLLECTION		: 18/Dec/2024 01:5	
CLIENT CODE.	: KOS DIAGNOS	TIC I AB	REPORTING		: 18/Dec/2024 03:2	
CLIENT ADDRESS		OLSON ROAD, AMB		DITL	. 10/ Dec/ 2021 00.2	
LIENT ADDRESS	. 0343/ 1, 1011	OLSON ROAD, AMD.	ALA CANTT			
Test Name			Value	Unit	Biologica	l Reference interval
		onortionately more t				
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin the ESTIMATED GLOMERI CKD STAGE	rosis. nd starvation. e. ecreased urea synt (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCREA apy (accelerates co releases muscle cr who develop rena bis (acetoacetate icreased BUN/crea rapy (interferes w JLAR FILTERATION	Arenal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measu RATE: DESCRIPTION	due to tubular secretion of to creatinine). e in creatinine with certai rement).	f urea. n methodolo	ogies,resulting in norma	al ratio when dehydratio
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 8. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin thera 5. CKD STAGE G1	10:1) WITH DECRE. Tosis. Ind starvation. e. ecreased urea synt (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCREA apy (accelerates co releases muscle cr who develop rena bis (acetoacetate icreased BUN/crea rapy (interferes w JLAR FILTERATION Norm	Arenal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increases atinine ratio). ith creatinine measu IN CREATION mal kidney function	out of extracellular fluid). blood). due to tubular secretion of e to creatinine). e in creatinine with certai rement). GFR (mL/min/1.73m >90	f urea. n methodolo 2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria	al ratio when dehydratio
DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Conter causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Rhabdomyolysis (r Rhabdomyolysis (r Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in CED STAGE	10:1) WITH DECRE. Tosis. Ind starvation. e. ecreased urea synt (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCREA apy (accelerates co releases muscle cr who develop rena bis (acetoacetate icreased BUN/crea rapy (interferes w JLAR FILTERATION Norm Kid	Arenal disease. ASED BUN : thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measu RATE: DESCRIPTION	out of extracellular fluid). blood). due to tubular secretion o e to creatinine). e in creatinine with certai rement). GFR (mL/min/1.73m	f urea. n methodolo 2) AS	ogies,resulting in norma	al ratio when dehydratio
CREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas 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 then STIMATED GLOMERI G1 G2 G3a	10:1) WITH DECRE. Tosis. Ind starvation. e. ecreased urea synt (urea rather than monemias (urea of inappropiate ar 10:1) WITH INCREA apy (accelerates co releases muscle cr who develop rena bis (acetoacetate arapy (interferes w JLAR FILTERATION Norm Kid Norm	ASED BUN : ASED BUN : creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measure Ith creatinine measur	but of extracellular fluid). blood). due to tubular secretion of e to creatinine). e in creatinine with certai rement). GFR (mL/min/1.73m >90 >90 60 -89	f urea. n methodolo 2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydratio
CREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Conter causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Rhabdomyolysis (r Rhabdomyolysis (r Rhabdomyolysi (r Rhabdomyolys	10:1) WITH DECRE. Tosis. Ind starvation. e. ecreased urea synt (urea rather than monemias (urea is of inappropiate ar 10:1) WITH INCREA apy (accelerates con- releases muscle cr who develop rena- bis (acetoacetate arapy (interferes won- <u>JLAR FILTERATION</u> Norm Kid norm Millon Moder	thesis. creatinine diffuses of is virtually absent in tidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measure RATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR rate decrease in GFR	but of extracellular fluid). blood). due to tubular secretion of e to creatinine). e in creatinine with certai rement). GFR (mL/min/1.73m >90 >90 60 -89 30-59	f urea. n methodolo 2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydratio
CECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Conter causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. CECREASED RATIO (< Rhabdomyolysis (r Rhabdomyolysis (r Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin the STIMATED GLOMERI CKD STAGE G1 G2 G3a	10:1) WITH DECRE. Tosis. Ind starvation. e. ecreased urea synt (urea rather than monemias (urea is of inappropiate ar 10:1) WITH INCREA apy (accelerates con- releases muscle cr who develop rena- bis (acetoacetate acreased BUN/crea- rapy (interferes won- <u>JLAR FILTERATION</u> Norm Kid Norm Kid Noder Seve	ASED BUN : ASED BUN : creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measure Ith creatinine measur	but of extracellular fluid). blood). due to tubular secretion of e to creatinine). e in creatinine with certai rement). GFR (mL/min/1.73m >90 >90 60 -89	f urea. n methodolo 2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydratio





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







	Dr. Vinay Chopra MD (Pathology & Microbiology Chairman & Consultant Patholo		(Pathology)
NAME	: Mr. SHIVANSH		
AGE/ GENDER	: 26 YRS/MALE	PATIENT ID	: 1702472
COLLECTED BY	:	REG. NO./LAB NO.	: 012412180042
REFERRED BY	:	REGISTRATION DATE	: 18/Dec/2024 01:56 PM
BARCODE NO.	: 01522641	COLLECTION DATE	: 18/Dec/2024 01:57PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Dec/2024 03:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ITT	
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)

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	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. SHIVANSH			
AGE/ GENDER	: 26 YRS/MALE	PAT	FIENT ID	: 1702472
COLLECTED BY	:	REG	G. NO./LAB NO.	: 012412180042
REFERRED BY	:	REG	GISTRATION DATE	: 18/Dec/2024 01:56 PM
BARCODE NO.	: 01522641	COL	LLECTION DATE	: 18/Dec/2024 01:57PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 18/Dec/2024 03:55PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		IRON PR	OFILE	
IRON: SERUM	TROPHOTOMETRY	159.1 ^H	μg/dL	59.0 - 158.0

IRON: SERUM by FERROZINE, SPECTROPHOTOMETRY	159.1 ^H	µg/dL	59.0 - 158.0
UNSATURATED IRON BINDING CAPACITY (UIBC) SERUM by Ferrozine, spectrophotometery	92.71 ^L	µg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) SERUM by Spectrophotometery	251.81	µg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by Calculated, spectrophotometery (ferene)	63.18 ^H	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE) INTERPRETATION:-	178.79 ^L	mg/dL	200.0 - 350.0

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM IRON:	Normal to Reduced	Reduced	Normal
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal
% TRANSFERRIN SATURATION: Decreased		Decreased < 12-15 %	Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased

IRON

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency

anemia, anemia of chronic disease and thalassemia syndromes.
 It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC): It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

% TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	M	m Chopra D (Pathology) nt Pathologist	
NAME	: Mr. SHIVANSH				
AGE/ GENDER	: 26 YRS/MALE		PATIENT ID	: 1702472	
COLLECTED BY	:		REG. NO./LAB NO.	: 012412180042	
REFERRED BY	:		REGISTRATION DATE	: 18/Dec/2024 01:56 PM	
BARCODE NO.	:01522641		COLLECTION DATE	: 18/Dec/2024 01:57PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 18/Dec/2024 03:42PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A				
	. 0040/ 1, MOHOLSON KOAD, P				
Test Name		Value	Unit	Biological Reference int	terval
TRIIODOTHYRONI		YROID FUNG 1.2	CTION TEST: TOTAL		
	NE (13): SEKUM IESCENT MICROPARTICLE IMMUNOAS		ng/mL	0.35 - 1.93	
THYROXINE (T4): S		7.06	μgm/d	L 4.87 - 12.60	
THYROID STIMULA	IESCENT MICROPARTICLE IMMUNOAS ATING HORMONE (TSH): SERU IESCENT MICROPARTICLE IMMUNOAS RASENSITIVE	M 5.044	µIU/m	L 0.35 - 5.50	
INTERPRETATION:					
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations. TSI	H stimulates the pr	oduction and secretion of the	ppm. The variation is of the order of 50%. Hence ti metabolically active hormones, thyroxine (T4)a ther underproduction (hypothyroidism) or	
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or Low I	Normal	Normal or Low Normal	High	
Primary Hyperthyroidis	sm: Increased		Increased	Reduced (at times undetectable)	
			NI I III I NI I		

LIMITATIONS:-

Subclinical Hyperthyroidism:

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.

Normal or High Normal

Reduced

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 (e.g.: phenytoin , salicylates).

3. Serum T4 levels 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 hypothyroidism, pregnancy, phenytoin therapy.

TRIIODOTH	YRONINE (T3)	THYROXINE (T4)		THYROID STIMULATING HORMONE (TSF	
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
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00

Normal or High Normal





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

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







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NAME	: Mr. SHIVANSH		
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Tost Nama	Vah	o Unit	Biological Deference interval

Test Name		Value Unit		t	Biological Reference interval	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 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)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECON	IMENDATIONS OF TSH L	EVELS DURING PRE	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

INCREASED TSH LEVELS:

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

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine 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 goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic 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.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Vinay Chopra Pathology & Microbiology) man & Consultant Pathologis		(Pathology)	
IAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. SHIVANSH : 26 YRS/MALE : : : 01522641 : KOS DIAGNOSTIC : 6349/1, NICHOLS	LAB ON ROAD, AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1702472 : 0124121800 : 18/Dec/2024 : 18/Dec/2024 : 18/Dec/2024	01:56 PM 01:57PM
Fest Name		Value	Unit	Biolo	gical Reference interval
		VIT	AMINS		
			YDROXY VITAMIN D	3	
/ITAMIN D (25-HY	DROXY VITAMIN D		ng/mL		CIENCY: < 20.0
				SUFF	FFICIENCY: 20.0 - 30.0 ICIENCY: 30.0 - 100.0 CITY: > 100.0
VTERPRETATION:			n	SUFF TOXI	ICIENCY: 30.0 - 100.0
<u>NTERPRETATION:</u> DEFI	ICIENT: FICIENT:	20 21 - 29		SUFF	ICIENCY: 30.0 - 100.0
<u>Nterpretation:</u> Defi Insuf Preffer Intox	ICIENT: FICIENT: ED RANGE: ICATION:	< 20	n n n	SUFF TOXI g/mL g/mL g/mL	ICIENCY: 30.0 - 100.0 CITY: > 100.0

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)



Page 17 of 20





				(Pathology)	
IAME	: Mr. SHIVANSH				
GE/ GENDER	: 26 YRS/MALE	PATIE	ENT ID	: 1702472	
OLLECTED BY	:	REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE		: 012412180042 : 18/Dec/2024 01:56 PM : 18/Dec/2024 01:57PM	
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 18/Dec/2024 03:42PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,				
Test Name		Value	Unit	Biological Reference interval	
<u>Nterpretation:-</u> Increas	SED VITAMIN B12		DECREASED VITAMIN	N B12	
1.Ingestion of Vitan		1.Pregnancy			
2.Ingestion of Estro		2.DRUGS:Aspirin, Anti-convulsants, Colchicine			
3.Ingestion of Vitan		3.Ethanol Igestion			
4.Hepatocellular in			4. Contraceptive Harmones 5. Haemodialysis		
5.Myeloproliferativ 6.Uremia	e disorder	J	6. Multiple Myeloma		
.Vitamin B12 (cobalamin) is necessary for hematopoiesi					
2.In humans, it is ob	tained only from animal protein	is and requires intrinsic fa	actor (IF) for absorp	otion.	
	itamin B12 stores very economi	cally, reabsorbing vitamir	n B12 from the ileun	n and returning it to the liver; very little is	
excreted. 1 Vitamin B12 deficie	ency may be due to lack of IF sec	retion by dastric mucosa	(eq astrectomy a	astric atrophy) or intestinal malabsorption (eq	
	l intestinal diseases).	sietton by gastrie maeosa	(eg, gastreetonij, g		
5.Vitamin B12 deficie	ency frequently causes macrocy	tic anemia, glossitis, peri	pheral neuropathy,	weakness, hyperreflexia, ataxia, loss of	
proprioception, poor	coordination, and affective ber ts without macrocytic anemia.	navioral changes. These n	nanifestations may o	occur in any combination; many patients have	
	nic acid and homocysteine level	ls are also elevated in vita	amin B12 deficiency	states.	
7.Follow-up testing f	or antibodies to intrinsic factor	(IF) is recommended to id	dentify this potentia	al cause of vitamin B12 malabsorption.	
NOTE •A normal serur	n concentration of vitamin B12	does not rule out tissue d	eficiency of vitamin	B12. The most sensitive test for vitamin B12	

NOTE:A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.





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







		h opra & Microbiology) onsultant Pathologist		m Chopra D (Pathology) nt Pathologist	
NAME	: Mr. SHIVANSH				
AGE/ GENDER	: 26 YRS/MALE	PA	ATIENT ID	: 1702472	
COLLECTED BY	:	R	EG. NO./LAB NO.	: 012412180042	
REFERRED BY	:	R	EGISTRATION DATE	: 18/Dec/2024 01:56 PM	
BARCODE NO. : 01522641			DLLECTION DATE	: 18/Dec/2024 01:57PM	
CLIENT CODE.			EPORTING DATE	: 18/Dec/2024 02:57PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL P	ATHOLOGY		
	URINE R	OUTINE & MICR	OSCOPIC EXAMINA	ATION	
PHYSICAL EXAMI					
QUANTITY RECIEV	ΈD	10	ml		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	PALE YELLO	W	PALE YELLOW	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			577		
		CLEAR		CLEAR	
SPECIFIC GRAVITY		1.02		1.002 - 1.030	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
REACTION		ACIDIC			
	TANCE SPECTROPHOTOMETRY				
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Trace		NEGATIVE (-ve)	
SUGAR		Negative		NEGATIVE (-ve)	
pH	TANCE SPECTROPHOTOMETRY	6		5.0 - 7.5	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative			
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)	
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)	
		Negative		NEGATIVE (-ve)	
		NEGATIVE ((-ve)	NEGATIVE (-ve)	
MICROSCOPIC EX					
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.





HEALTHCARE & DIAGNOSTIC EXCELLENCE IN

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

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

NAME	: Mr. SHIVANSH		
AGE/ GENDER	: 26 YRS/MALE	PATIENT ID	: 1702472
COLLECTED BY	:	REG. NO./LAB NO.	: 012412180042
REFERRED BY	:	REGISTRATION DATE	: 18/Dec/2024 01:56 PM
BARCODE NO.	:01522641	COLLECTION DATE	: 18/Dec/2024 01:57PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Dec/2024 02:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA (CANTT	
Test Name	Valu	ue Unit	Biological Reference interval

by MICKOSCOFT ON CENTRIFOGED ORIVART SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	ABSENT
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)

