



	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist			(Pathology)
NAME	: Mr. ANISH GULATI			
AGE/ GENDER	: 43 YRS/MALE		PATIENT ID	: 1731129
COLLECTED BY	:		REG. NO./LAB NO.	:012501220016
REFERRED BY	:		REGISTRATION DATE	: 22/Jan/2025 10:34 AM
BARCODE NO.	: 01524230		COLLECTION DATE	: 22/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Jan/2025 11:15AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	СОМІ		LLNESS PANEL: 1.5 OOD COUNT (CBC)	5
	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	IB)	12.3	gm/dL	12.0 - 17.0
RED BLOOD CELL		4.61	Millions/	/cmm 3.50 - 5.00
PACKED CELL VOL		37.6 ^L	%	40.0 - 54.0
MEAN CORPUSCUI	AUTOMATED HEMATOLOGY ANALYZER LAR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	81.5	fL	80.0 - 100.0
MEAN CORPUSCU	LAR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER	26.6 ^L	pg	27.0 - 34.0
	LAR HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	32.6	g/dL	32.0 - 36.0
RED CELL DISTRIE	BUTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	15.4	%	11.00 - 16.00
RED CELL DISTRIE	BUTION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	47.5	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		17.68	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IN by CALCULATED		27.14	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CH		75.40		4000 11000
TOTAL LEUCOCYT	E COUNT (TLC) Y by SF cube & microscopy	7540	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) rt hematology analyzer	NIL		0.00 - 20.00
NUCLEATED RED	BLOOD CELLS (nRBCS) % automated hematology analyzer	NIL	%	< 10 %

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. ANISH GULATI AGE/ GENDER : 43 YRS/MALE **PATIENT ID** :1731129 **COLLECTED BY** :012501220016 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 22/Jan/2025 10:34 AM **BARCODE NO.** :01524230 **COLLECTION DATE** : 22/Jan/2025 10:37AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 22/Jan/2025 11:15AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 49^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 3695 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2865 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 377 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 603 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 275000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.31 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL 11 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 97000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 35.111.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 15.7% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

Dr. Vinay Chopra

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

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Test Name	Valu	e Unit	Biological Reference interval



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			KIING DATE	. 22/Jan/ 2023 11.29AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
WHOLE BLOOD	EMOGLOBIN (HbA1c):	6.6 ^H	%	4.0 - 6.4
ESTIMATED AVERA	by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY)		mg/dL	60.00 - 140.00
INTERPRETATION:				
		I DIABETES ASSOCIATION		
	REFERENCE GROUP	GLYCOSY	GLYCOSYLATED HEMOGLOGIB (HBAIC) in %	
	abetic Adults >= 18 years		<5.7	
	At Risk (Prediabetes)		5.7 - 6.4	
D	iagnosing Diabetes		>= 6.5	
		Goals of The	Age > 19 Years	< 7.0
Therapeutic goals for glycemic control		Actions Sugge		>8.0
Therapeut	ic doals for divcemic control			
Therapeut	ic goals for glycemic control	Actions sugge	Age < 19 Years	

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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 appropiate.

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 faisely 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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		& Microbiology)	Dr. Yugam Cl MD (Pat Consultant Patl	hology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING D	ATE :	22/Jan/2025 11:38AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
 An ESR can be affe as C-reactive protein This test may also systemic lupus eryth CONDITION WITH LO' A low ESR can be see polycythaemia), sigr as sickle cells in sickle NOTE: ESR and C - reactiv Generally, ESR doe CRP is not affected 	ected by other conditions beside be used to monitor disease acti ematosus W ESR en with conditions that inhibit th nificantly high white blood cell of le cell anaemia) also lower the re protein (C-RP) are both marke es not change as rapidly as does I by as many other factors as is E	ivity and response to therapy in bo ne normal sedimentation of red bl count (leucocytosis) , and some pr ESR.	ne ESR is typical oth of the above ood cells, such a otein abnorma nation or as it ra flammation.	llý used in conjunction with other test such e diseases as well as some others, such as as a high red blood cell count lities. Some changes in red cell shape (such
Drugs such as dext	ave a higher ESR, and menstruati tran, methyldopa, oral contrace nd quinine may decrease it	ion and pregnancy can cause temp ptives, penicillamine procainamid	orary elevation e, theophylline	s. , and vitamin A can increase ESR, while





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		gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REF	ORTING DATE	: 22/Jan/2025 12:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	NICAL CHEMISTR	Y/BIOCHEMIST	RY
		GLUCOSE FAS	STING (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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROI	FILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		147.79	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0
				HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)		195.68 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 70N	47.25	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0
LDL CHOLESTERO		61.4	mg/dL	HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 WEDW MCH = 0D = 100.0
NON HDL CHOLES' by calculated, spe	TEROL: SERUM ECTROPHOTOMETRY	100.54	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER	OL: SERUM Ectrophotometry	39.14	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SEF		491.26	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		3.13	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.3	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	4.14	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

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

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





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Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT		FUNCTION 0.35 0.12	N TEST (COMPLETE) mg/dL mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40
	CCT (UNCONJUGATED): SERUM	0.23	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		48.6 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM		66 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.74	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	83.95	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	56.75 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.03	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.43	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.6	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.7	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)



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INTERPRETATION





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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).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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	KIDN	EY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM	NATE DEHYDROGENASE (GLDH)	19.7	mg/dL	10.00 - 50.00
CREATININE: SER	UM	1.07	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC	CTROPHOTOMETERY ROGEN (BUN): SERUM	9.21	mg/dL	7.0 - 25.0
	ECTROPHOTOMETRY	5.21	ilig/ uL	7.0 - 23.0
	ROGEN (BUN)/CREATININE	8.61 ^L	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ	E RATIO: SERUM	18.41	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	ECTROPHOTOMETRY I	7.25	mg/dL	3.60 - 7.70
by URICASE - OXIDAS				
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	9.7	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE		3.03	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY		0	
ELECTROLYTES		1 10 0		
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	142.2	mmol/L	135.0 - 150.0
POTASSIUM: SERU	М	3.95	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		106.65	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV		100.05	IIIII01/ L	50.0 - 110.0
ESTIMATED GLON	MERULAR FILTERATION RATE			
	IERULAR FILTERATION RATE	88.3		
(eGFR): SERUM by CALCULATED				
INTERPRETATION:				
Lo difforontiato botw	icon pro and post ronal azotomia			

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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	Dr. Vinay Cl MD (Pathology Chairman & Col	& Microbiology)	Dr. Yugam MD & Consultant	(Pathology)	
NAME	: Mr. ANISH GULATI				
AGE/ GENDER	: 43 YRS/MALE	PATIENT ID		: 1731129	
COLLECTED BY	:	REG. NO./LA	AB NO.	:012501220016	6
REFERRED BY		REGISTRAT		: 22/Jan/2025 10:3	
BARCODE NO.	: 01524230	COLLECTIO		: 22/Jan/2025 10:	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING	JATE	: 22/Jan/2025 01:1	17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biologic	cal Reference interv
2. Prerenal azotemia	(0:1) WITH ELEVATED CREATININ (BUN rises disproportionately is superimposed on renal disease (0:1) WITH DECREASED BUN :	more than creatinine) (e.g. obst	ructive uropa	thy).	
2. Prerenal azotemia 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 INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1	a (BUN rises disproportionately i superimposed on renal disease 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine in JLAR FILTERATION RATE: <u>DESCRIPTION</u> Normal kidney fund	more than creatinine) (e.g. obst fuses out of extracellular fluid). tent in blood). mone) due to tubular secretion of NE: reatine to creatinine). mcrease in creatinine with certa measurement). GFR (mL/min/1.73m ction >90	of urea. in methodolo	gies,resulting in norn SOCIATED FINDINGS No proteinuria	mal ratio when dehyd
 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 i superimposed on renal disease 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine in JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund Kidney damage w	more than creatinine) (e.g. obst fuses out of extracellular fluid). tent in blood). mone) due to tubular secretion of NE: reatine to creatinine). measurement). GFR (mL/min/1.73m ction >90 rith >90	of urea. in methodolo	gies,resulting in norn SOCIATED FINDINGS No proteinuria esence of Protein ,	
 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 Joiabetic ketoacido should produce an in Cephalosporin there ESTIMATED GLOMERI G1 	a (BUN rises disproportionately i superimposed on renal disease IO:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr IO:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine in JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund Kidney damage w normal or high G	more than creatinine) (e.g. obst fuses out of extracellular fluid). tent in blood). mone) due to tubular secretion of NE: reatine to creatinine). ncrease in creatinine with certa measurement). GFR (mL/min/1.73m ction >90 rith >90 FR	of urea. in methodolo	gies,resulting in norn SOCIATED FINDINGS No proteinuria	
 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 Joiabetic ketoacido should produce an in Cephalosporin the ESTIMATED GLOMERI G1 G2 	a (BUN rises disproportionately i superimposed on renal disease 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr 10:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine in JLAR FILTERATION RATE: DESCRIPTION Normal kidney fund Kidney damage w	more than creatinine) (e.g. obst fuses out of extracellular fluid). tent in blood). mone) due to tubular secretion of NE: reatine to creatinine). NE: reatine to creatinine). GFR (mL/min/1.73m <u>ction >90</u> rith >90 FR GFR 60 -89	of urea. in methodolo	gies,resulting in norn SOCIATED FINDINGS No proteinuria esence of Protein ,	
 Prerenal azotemia 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 syndr	a (BUN rises disproportionately i superimposed on renal disease IO:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine diff monemias (urea is virtually abs of inappropiate antidiuretic harr IO:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). Tapy (interferes with creatinine ratio). DESCRIPTION Normal kidney fund Kidney damage w normal or high G Mild decrease in O	more than creatinine) (e.g. obst fuses out of extracellular fluid). eent in blood). mone) due to tubular secretion of NE: reatine to creatinine). mcrease in creatinine with certa measurement). GFR (mL/min/1.73m ction >90 rith >90 FR 60 -89 in GFR 60 -89 in GFR 30-59	of urea. in methodolo	gies,resulting in norn SOCIATED FINDINGS No proteinuria esence of Protein ,	





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NAME	: Mr. ANISH GULATI		
AGE/ GENDER	: 43 YRS/MALE	PATIENT ID	: 1731129
COLLECTED BY	:	REG. NO./LAB NO.	: 012501220016
REFERRED BY	:	REGISTRATION DATE	: 22/Jan/2025 10:34 AM
BARCODE NO.	: 01524230	COLLECTION DATE	: 22/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Jan/2025 01:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	e 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

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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



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CLIENT ADDRESS	: 6349/1, NICI	HOLSON ROAD, AMI	BALA CANTT			
Test Name			Value	Unit	Biological Reference i	interval
			IRON	PROFILE		
IRON: SERUM	TROPHOTOMETRY	,	61.2	μg/dL	59.0 - 158.0	
UNSATURATED IRC	ON BINDING CA	APACITY (UIBC)	267.38	µg/dL	150.0 - 336.0	
:SERUM by FERROZINE, SPEC	TROPHOTOMETER	2V				
TOTAL IRON BIND			328.58	μg/dL	230 - 430	
by SPECTROPHOTOM	IETERY					
%TRANSFERRIN SA			18.63	%	15.0 - 50.0	
by CALCULATED, SPE TRANSFERRIN: SE		ERY (FERENE)	233.29	mg/dL	200.0 - 350.0	
by SPECTROPHOTOM			200.20	ing, uL	200.0 000.0	
INTERPRETATION:-		1				
VARIAB		ANEMIA OF CHROI		IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT	
SERUM IF	RON:	Normal to Re	auced	Reduced	Normal	

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	
IDON:				

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





		Chopra y & Microbiology) consultant Pathologis	M	am Chopra ID (Pathology) ant Pathologist	
NAME	: Mr. ANISH GULATI				
AGE/ GENDER	: 43 YRS/MALE		PATIENT ID	: 1731129	
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BARCODE NO.	:01524230		COLLECTION DATE	: 22/Jan/2025 10:37AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Jan/2025 01:07PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTI	2		
Test Name		Value	Unit	Biological Reference i	nterval
		ENDOC	RINOLOGY		
		THYROID FUNC	TION TEST: TOTA	L	
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMMUN	1.002 OASSAY)	ng/mI	0.35 - 1.93	
THYROXINE (T4): S	SERUM iescent microparticle immun	6.58 OASSAY)	μgm/c	IL 4.87 - 12.60	
	TING HORMONE (TSH): SE		µIU/m	L 0.35 - 5.50	
BY CMIA (CHEMILOMIN 3rd GENERATION, ULT <u>INTERPRETATION</u> :	IESCENT MICROPARTICLE IMMUN RASENSITIVE	UASSAY)			
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations	. TSH stimulates the pr	oduction and secretion of the	<i>Opm. The variation is of the order of 50%.Hence</i> metabolically active hormones, thyroxine (T4 ther underproduction (hypothyroidism) or	
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or I	ow wormal	Normal or Low Normal	High	

LIMITATIO	NIC

Primary Hyperthyroidism:

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.

Increased

Normal or High Normal

Reduced (at times undetectable)

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 (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	
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	

Increased

Normal or High Normal





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Test Name	Value	Unit	Biological Reference interval

					8
0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50	
0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
RECO	MMENDATIONS 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		
	0.35 - 1.93 0.35 - 1.93 RECOI 1st Trimester 2nd Trimester	0.35 - 1.9311 - 19 Years0.35 - 1.93> 20 Years (Adults)RECOMMENDATIONS OF TSH L1st Trimester2nd Trimester	0.35 - 1.93 11 - 19 Years 4.87 - 13.20 0.35 - 1.93 > 20 Years (Adults) 4.87 - 12.60 RECOMMENDATIONS OF TSH LEVELS DURING PRE 1st Trimester 2nd Trimester	0.35 - 1.93 11 - 19 Years 4.87 - 13.20 11 - 19 Years 0.35 - 1.93 > 20 Years (Adults) 4.87 - 12.60 > 20 Years (Adults) RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (µIU/mL) 1st Trimester 0.10 - 2.50 2nd Trimester 0.20 - 3.00	0.35 - 1.93 11 - 19 Years 4.87 - 13.20 11 - 19 Years 0.50 - 5.50 0.35 - 1.93 > 20 Years (Adults) 4.87 - 12.60 > 20 Years (Adults) 0.35 - 5.50 RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (µIU/mL) 1st Trimester 0.10 - 2.50 2nd Trimester 0.20 - 3.00

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





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		y Chopra ogy & Microbiology) Consultant Pathologist	Dr. Yugarı MD CEO & Consultant	(Pathology)
IAME	: Mr. ANISH GULATI			
GE/ GENDER	: 43 YRS/MALE	Р	ATIENT ID	: 1731129
COLLECTED BY	:	R	EG. NO./LAB NO.	: 012501220016
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BARCODE NO.	: 01524230		OLLECTION DATE	: 22/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 22/Jan/2025 01:03PM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO			. 22/ Jail/ 2020 01.031 W
Fest Name		Value	Unit	Biological Reference interval
		TTAMIN D/25 HYI	MINS DROXY VITAMIN D	
by CLIA (CHEMILUMIN	DROXY VITAMIN D3): SE escence immunoassay)	RUM 21.8^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>NTERPRETATION:</u> DEFI	CIENT:	< 20	n	g/mL
	TICIENT:	21 - 29		g/mL
	D RANGE: CATION:	30 - 100 > 100		g/mL g/mL
conversion of 7- dihy 2.25-OHVitamin D r issue and tightly bou 3.Vitamin D plays a p ohosphate reabsorpt 4.Severe deficiency n DECREASED: 1.Lack of sunshine ex 2.Inadequate intake,	drocholecalciferol to Vitam epresents the main body re ind by a transport protein v rimary role in the maintena ion, skeletal calcium depos nay lead to failure to miner posure. malabsorption (celiac disea Vitamin D 25- hydroxylase ced Liver disease	in D3 in the skin upon U sevoir and transport form while in circulation. ance of calcium homeos ition, calcium mobilization alize newly formed osteo ase) activity sm (Mild to Moderate do	Itraviolet exposure. n of Vitamin D and trans atis. It promotes calciur on, mainly regulated by p oid in bone, resulting in r eficiency)	lecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,		ATING DATE		
CLIENT ADDRESS	. 0349/1, NICHULSON KOAD,	AMDALA CANTI			
Test Name		Value	Unit	Biological Reference interval	
		VITAMIN B12/CO	DBALAMIN		
VITAMIN B12/COE		285	pg/mL	190.0 - 890.0	
	IESCENT MICROPARTICLE IMMUNOA	SSAY)			
INTERPRETATION:- INCREAS	SED VITAMIN B12		DECREASED VITAMIN	I B12	
1.Ingestion of Vitan		1.Pregnancy	DEGREMOED VIII IVIII		
2.Ingestion of Estro		2.DRUGS:Aspirin, Anti-convulsants, Colchicine			
3.Ingestion of Vitan		3.Ethanol Igest			
4.Hepatocellular in		4. Contraceptiv			
5.Myeloproliferativ	e disorder	5.Haemodialysis			
6.Uremia		6. Multiple My			
2 In humans it is ob	amin) is necessary for hematopo tained only from animal proteins	and requires intrinsic f	nai iunciion. actor (IF) for absorn	tion	
				and returning it to the liver; very little is	
excreted.		3		, i i i i i i i i i i i i i i i i i i i	
4. Vitamin B12 deficie	ency may be due to lack of IF secr I intestinal diseases).	etion by gastric mucosa	i (eg, gastrectomy, g	astric atrophy) or intestinal malabsorption (eg	
		ic anemia glossitis neri	nheral neuronathy	weakness, hyperreflexia, ataxia, loss of	
			nanifestations may (occur in any combination; many patients have	
5. Vitamin B12 deficie	coordination, and affective beha	avioral changes. These r	nannostations may t		
5.Vitamin B12 deficie proprioception, poor the neurologic defec	coordination, and affective behats without macrocytic anemia.			5	
5.Vitamin B12 deficie proprioception, poor the neurologic defec 6.Serum methylmalo	coordination, and affective beha ts without macrocytic anemia. nic acid and homocysteine levels	are also elevated in vit	amin B12 deficiency	states.	
5.Vitamin B12 deficie proprioception, poor the neurologic defec 6.Serum methylmalo 7.Follow-up testing f	coordination, and affective beha ts without macrocytic anemia. nic acid and homocysteine levels or antibodies to intrinsic factor (are also elevated in vit IF) is recommended to i	amin B12 deficiency dentify this potentia	states. I cause of vitamin B12 malabsorption.	
5.Vitamin B12 deficie proprioception, poor the neurologic defec 6.Serum methylmalo 7.Follow-up testing f NOTE: A normal serur	coordination, and affective beha ts without macrocytic anemia. nic acid and homocysteine levels or antibodies to intrinsic factor (n concentration of vitamin B12 d	are also elevated in vit IF) is recommended to i oes not rule out tissue o	amin B12 deficiency dentify this potentia deficiency of vitamin	states. I cause of vitamin B12 malabsorption. B12. The most sensitive test for vitamin B12	
5.Vitamin B12 deficie proprioception, poor the neurologic defec 6.Serum methylmalo 7.Follow-up testing f NOTE: A normal serur deficiency at the cell	coordination, and affective beha ts without macrocytic anemia. nic acid and homocysteine levels or antibodies to intrinsic factor (n concentration of vitamin B12 d	are also elevated in vit IF) is recommended to i oes not rule out tissue of f clinical symptoms sugg	amin B12 deficiency dentify this potentia deficiency of vitamin	states. I cause of vitamin B12 malabsorption.	
5.Vitamin B12 deficie proprioception, poor the neurologic defec 6.Serum methylmalo 7.Follow-up testing f NOTE: A normal serur deficiency at the cell	coordination, and affective beha ts without macrocytic anemia. nic acid and homocysteine levels or antibodies to intrinsic factor (n concentration of vitamin B12 d ular level is the assay for MMA. I	are also elevated in vit IF) is recommended to i oes not rule out tissue of f clinical symptoms sugg	amin B12 deficiency dentify this potentia deficiency of vitamin	states. I cause of vitamin B12 malabsorption. B12. The most sensitive test for vitamin B12	





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	MD (Patholog	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		n Chopra (Pathology) Pathologist
NAME	: Mr. ANISH GULATI			
AGE/ GENDER	: 43 YRS/MALE	P	ATIENT ID	: 1731129
COLLECTED BY	:		EG. NO./LAB NO.	: 012501220016
REFERRED BY	:		EGISTRATION DATE	: 22/Jan/2025 10:34 AM
BARCODE NO.	: 01524230		OLLECTION DATE	: 22/Jan/2025 10:37AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA		EPORTING DATE	: 22/Jan/2025 11:06AM
	. 0040/ 1, 101010101001 10/1			
Test Name		Value	Unit	Biological Reference interval
		CLINICAL P	ATHOLOGY	
	URINE		OSCOPIC EXAMINA	ATION
PHYSICAL EXAMIN				
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		10	ml	
		PALE YELL	ow	PALE YELLOW
			011	
TRANSPARANCY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
SPECIFIC GRAVITY		>=1.030		1.002 - 1.030
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
REACTION		ACIDIC		
by DIP STICK/REFLEC PROTEIN	TANCE SPECTROPHOTOMETRY	1+		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
		Negative		NEGATIVE (-ve)
		6		5.0 - 7.5
		Negative		NEGATIVE (-ve)
		C .		
		Negative		NEGATIVE (-ve)
		Normal	EU/dL	0.2 - 1.0
		Negative		NEGATIVE (-ve)
		Negative		NEGATIVE (-ve)
		NEGATIVE	(-ve)	NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY		< - /	
MICROSCOPIC EXA				0.2
RED BLOOD CELLS by MICROSCOPY ON C	(RBUS) CENTRIFUGED URINARY SEDIMEN	NEGATIVE	(-ve) /HPF	0 - 3





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

NAME	: Mr. ANISH GULATI				
AGE/ GENDER			PATIENT ID	: 1731129 : 012501220016	
COLLECTED BY			REG. NO./LAB NO.		
REFERRED BY	:		REGISTRATION DATE	: 22/Jan/2025 10:34 AM	
BARCODE NO.	: 01524230 : KOS DIAGNOSTIC LAB		COLLECTION DATE	: 22/Jan/2025 10:37AM : 22/Jan/2025 11:06AM	
CLIENT CODE.			REPORTING DATE		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	1, NICHOLSON ROAD, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5	
EDITLELIAL CELLS		1 9	/UDE	ABSENT	

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

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
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)	ABSENT		ABSENT	

*** End Of Report ***



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

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