



AME : Mr. SATISH GARG		t CEO & Consultant	(Pathology) Pathologist
GE/ GENDER : 68 YRS/MALE		PATIENT ID	: 1714686
DLLECTED BY :		REG. NO./LAB NO.	: 042501030005
EFERRED BY :		REGISTRATION DATE	: 03/Jan/2025 09:58 AM
ARCODE NO. : A1260232		COLLECTION DATE	: 03/Jan/2025 03:43PM
LIENT CODE. : KOS DIAGNOSTIC SHAH LIENT ADDRESS : 6349/1, NICHOLSON R		REPORTING DATE	: 03/Jan/2025 03:53PM
est Name	Value	Unit	Biological Reference interval
S ED BLOOD CELLS (RBCS) COUNT AND IN	COMPLETE BLO	LLNESS PANEL: 1.5 DOD COUNT (CBC)	i
ed blood cells (rbcs) count and in Aemoglobin (hb)	15.1	gm/dL	12.0 - 17.0
by CALORIMETRIC		Ű	
ED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPED	5.38 ^H	Millions/	/cmm 3.50 - 5.00
ACKED CELL VOLUME (PCV) by calculated by automated hematology an	48	%	40.0 - 54.0
IS CALCULATED BY AUTOMATED HEMATOLOGY AN IEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY AN	89.3	fL	80.0 - 100.0
BY CALCULATED BY AUTOMATED HEMATOLOGY AN IEAN CORPUSCULAR HAEMOGLOBIN (MCI by CALCULATED BY AUTOMATED HEMATOLOGY AN	H) 28.2	pg	27.0 - 34.0
EXAMPLE IN AUTOMATED HEMATOLOGY AN EAN CORPUSCULAR HEMOGLOBIN CONC. by CALCULATED BY AUTOMATED HEMATOLOGY AN	(MCHC) 31.5^L	g/dL	32.0 - 36.0
ED CELL DISTRIBUTION WIDTH (RDW-CV by calculated by automated hematology and) 13.6	%	11.00 - 16.00
ED CELL DISTRIBUTION WIDTH (RDW-SD by calculated by automated hematology and) 45.5	fL	35.0 - 56.0
IENTZERS INDEX	16.6	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED			13.0 IRON DEFICIENCY ANEMIA:
			>13.0
REEN & KING INDEX by CALCULATED	22.68	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
			IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CELLS (WBCS)			65.0
OTAL LEUCOCYTE COUNT (TLC)	8230	/cmm	4000 - 11000
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			0.00 20.00
UCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
UCLEATED RED BLOOD CELLS (nRBCS) % by calculated by automated hematology an	NIL	%	< 10 %





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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LEU	JCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry	BY SF CUBE & MICROSCOPY	56	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	33	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES	BY SF CUBE & MICROSCOPY	7	%	2 - 12
BASOPHILS	BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOO	CYTES (WBC) COUNT			
ABSOLUTE NEUTRO	PHIL COUNT by sf cube & microscopy	4609	/cmm	2000 - 7500
ABSOLUTE LYMPHC	OCYTE COUNT by sf cube & microscopy	2716	/cmm	800 - 4900
ABSOLUTE EOSINO	PHIL COUNT by sf cube & microscopy	329	/cmm	40 - 440
ABSOLUTE MONOCY	TE COUNT by sf cube & microscopy	576	/cmm	80 - 880
ABSOLUTE BASOPH by FLOW CYTOMETRY	IL COUNT by sf cube & microscopy	0	/cmm	0 - 110
PLATELETS AND O	THER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) DCUSING, ELECTRICAL IMPEDENCE	283000	/cmm	150000 - 450000
PLATELETCRIT (PC by HYDRO DYNAMIC FC	Γ) DCUSING, ELECTRICAL IMPEDENCE	0.28	%	0.10 - 0.36
MEAN PLATELET VO		10	fL	6.50 - 12.0
PLATELET LARGE C		72000	/cmm	30000 - 90000
PLATELET LARGE C		25.4	%	11.0 - 45.0
PLATELET DISTRIB	UTION WIDTH (PDW) DCUSING, ELECTRICAL IMPEDENCE CTED ON EDTA WHOLE BLOOD	16.2	%	15.0 - 17.0

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			/
Test Name	Value	e Unit	Biological Reference interval



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	GLYCO		OGLOBIN (HBA10	
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI	GLYCO EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)			
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION	IOGLOBIN (HBA1(% mg/dL N (ADA):	2 4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION	i OGLOBIN (HBA1(% % mg/dL N (ADA): SYLATED HEMOGLOGIB	2 4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION	OGLOBIN (HBA1(% mg/dL <u>N (ADA): SYLATED HEMOGLOGIB</u> <5.7	2 4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT DIA Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION	IOGLOBIN (HBA1(% mg/dL N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4	2 4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT GIA Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION	IOGLOBIN (HBA1(% % mg/dL N (ADA): <u>SYLATED HEMOGLOGIB</u> < <u>5.7</u> <u>5.7 - 6.4</u> >= 6.5	2 4.0 - 6.4 60.00 - 140.00
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT DIA Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION GLYCOS	IOGLOBIN (HBA1(% mg/dL N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	C) 4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT DIA Non dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION GLYCOS Goals of Th	IOGLOBIN (HBA1(% mg/dL N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years herapy:	C) 4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
GLYCOSYLATED HA WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: NOT DIA Non dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN E REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	SYLATED HAEM 7 ^H 154.2 ^H DIABETES ASSOCIATION GLYCOS	IOGLOBIN (HBA1(% mg/dL N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years herapy:	C) 4.0 - 6.4 60.00 - 140.00 (HBAIC) in %

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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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est Name		Value	Unit	Biological Reference interval
mmune disease, but . An ESR can be affe s C-reactive protein	does not tell the health practi ected by other conditions besid	tioner exactly where the les inflammation. For this	inflammation is in the reason, the ESR is typ	on associated with infection, cancer and auto- body or what is causing it. bically used in conjunction with other test such





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Test Name		Value	Unit	Biological Reference interval
	C	LINICAL CHEMISTRY	//BIOCHEMIST	RY
		GLUCOSE FAS	STING (F)	
GLUCOSE FASTING	G (F): PLASMA Se - peroxidase (god-pod)	183.72 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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Test Name		Value	Unit	Biological Reference interval
	GI	UCOSE POST	Г PRANDIAL (PP)	
	ANDIAL (PP): PLASMA e - peroxidase (god-pod)	161.58 ^H	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A post-prandial plasma glucose level below 140 mg/dl is considered normal. 2. A post-prandial glucose level between 140 - 200 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A post-prandial plasma glucose level of above 200 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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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	F · BASIC	
CHOLESTEROL TO	TAL · CEDIM	159.69	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		139.09	ing/uL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S. by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	93.92	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBIT		40.61	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		100.3	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLEST by CALCULATED, SPE		119.08	mg/dL	VERY HIGH: > OR = 190.0 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 CHOLESTER(18.78	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	UM	413.3	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	3.93	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		2.47	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	2.31 ^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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BARCODE NO.	: A1260231		COLLECTION DATE	: 03/Jan/2025 03:43PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD]	REPORTING DATE	: 03/Jan/2025 04:33PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			TEST (COMPLETE)	
BILIRUBIN TOTAL	: SERUM pectrophotometry	0.62	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM SPECTROPHOTOMETRY	0.16	mg/dL	0.00 - 0.40
	CCT (UNCONJUGATED): SERUM	0.46	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[/RIDOXAL PHOSPHATE	29.55	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	38.94	U/L	0.00 - 49.00
AST/ALT RATIO: S		0.76	RATIO	0.00 - 46.00
ALKALINE PHOSPI		64.99	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	21.76	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.31	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.19	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		3.12	gm/dL	2.30 - 3.50
A : G RATIO: SERU	M ECTROPHOTOMETRY	1.34	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:

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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INTERPRETATION





	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P		(Pathology)	
NAME	: Mr. SATISH GARG			
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1714686	
COLLECTED BY	:	REG. NO./LAB NO.	: 042501030005	
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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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NAME	: Mr. SATISH GARG			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNI	EY FUNCTION	N TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	24.47	mg/dL	10.00 - 50.00
CREATININE: SERU	UM	1.22	mg/dL	0.40 - 1.40
•	ROGEN (BUN): SERUM	11.43	mg/dL	7.0 - 25.0
	ROGEN (BUN)/CREATININE	9.37 ^L	RATIO	10.0 - 20.0
UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	20.06	RATIO	
URIC ACID: SERUM		4.82	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	10.33	mg/dL	8.50 - 10.60
	ERUM DATE, SPECTROPHOTOMETRY	3.2	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	(E ELECTRODE)	143.05	mmol/L	135.0 - 150.0
POTASSIUM: SERU by ISE (ION SELECTIV	M	4.75	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV	1	107.29	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
(eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	64.6		

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist			
NAME	: Mr. SATISH GARG			
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1714686	
COLLECTED BY		REG. NO./LAB NO.	: 04250103000)5
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BARCODE NO.	: A1260231	COLLECTION DATE		
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		: 03/Jan/2025 04	1:33PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value Unit	t Biolog	ical Reference interval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<	superimposed on renal disease. 10:1) WITH DECREASED BUN :	E LEVELS: nore than creatinine) (e.g. obstructive)	uropathy).	
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 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	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININI (BUN rises disproportionately n superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. nd starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm py (accelerates conversion of cre eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine n <u>JLAR FILTERATION RATE: Normal kidney func</u> Kidney damage wi	E LEVELS: more than creatinine) (e.g. obstructive is uses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: eatine to creatinine). ncrease in creatinine with certain meth neasurement). GFR (mL/min/1.73m2) ith >90	nodologies,resulting in nor ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	
 Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (Acute tubular necr Low protein diet ar Severe liver disease 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 ther ESTIMATED GLOMERI G1 	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININI (BUN rises disproportionately n superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. nd starvation. 2: creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of cre eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine n ILAR FILTERATION RATE: DESCRIPTION Normal kidney func Kidney damage wi normal or high GF	E LEVELS: more than creatinine) (e.g. obstructive is uses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: eatine to creatinine). ncrease in creatinine with certain meth neasurement). GFR (mL/min/1.73m2) ith >90 FR	nodologies,resulting in nor ASSOCIATED FINDINGS No proteinuria	
 Reduced muscle mu	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININI (BUN rises disproportionately n superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. nd starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm py (accelerates conversion of cre eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine n <u>JLAR FILTERATION RATE: Normal kidney func</u> Kidney damage wi	E LEVELS: more than creatinine) (e.g. obstructive is uses out of extracellular fluid). ent in blood). none) due to tubular secretion of urea. NE: eatine to creatinine). hcrease in creatinine with certain meth neasurement). Ition >90 FR 60 -89	nodologies,resulting in nor ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	





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









	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	biology) MD	n Chopra 9 (Pathology) t Pathologist
NAME	: Mr. SATISH GARG		
AGE/ GENDER	: 68 YRS/MALE	PATIENT ID	: 1714686
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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



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Test Name		Value	Unit	Biological Reference interval
		IRON	PROFILE	
IRON: SERUM	TROPHOTOMETRY	59.6	µg/dL	59.0 - 158.0
UNSATURATED IRO SERUM	ON BINDING CAPACITY (UIBC)	235.2	μg/dL	150.0 - 336.0
· ·	ING CAPACITY (TIBC)	294.8	μg/dL	230 - 430
%TRANSFERRIN SA	ATURATION: SERUM CTROPHOTOMETERY (FERENE)	20.22	%	15.0 - 50.0
TRANSFERRIN: SEI	RUM	209.31	mg/dL	200.0 - 350.0
INTERPRETATION:-				
VARIAB SERUM IF			IRON DEFICIENCY ANEMIA Reduced	THALASSEMIA α/β TRAIT 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:	ANSFERRIN SATURATION: Decreased		Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased
IDON:			

IRON

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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):

1.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)	Dr. Yugam C MD (Pa CEO & Consultant Par	thology)	
NAME	: Mr. SATISH GARG				
AGE/ GENDER	: 68 YRS/MALE	PATIE	NT ID	: 1714686	
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Test Name		Value	Unit	Biological Reference inte	mal
1 est Name		value	Unit	biological kelerence inte	rvai
		ENDOCRINO		biological kelerence inte	
	THY		LOGY		<u>-1 vai</u>
TRIIODOTHYRONI		ENDOCRINO YROID FUNCTION 1.256	LOGY	0.35 - 1.93	<u>-1 vai</u>
TRIIODOTHYRONI by CMIA (CHEMILUMII THYROXINE (T4): :	NE (T3): SERUM	ENDOCRINO FOID FUNCTION 1.256 SAY) 6.44	LOGY TEST: TOTAL		21 VAL
TRIIODOTHYRONI by CMIA (CHEMILUMII THYROXINE (T4): S by CMIA (CHEMILUMII THYROID STIMULA	NE (T3): SERUM iescent microparticle immunoas. SERUM	ENDOCRINO ENDOCRINO I.256 SAY) 6.44 SAY) M 3.1	LOGY TEST: TOTAL ng/mL	0.35 - 1.93	
TRIIODOTHYRONI by CMIA (CHEMILUMIN THYROXINE (T4): S by CMIA (CHEMILUMIN THYROID STIMULA by CMIA (CHEMILUMIN 3rd GENERATION, ULT	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNOAS SERUM IESCENT MICROPARTICLE IMMUNOAS ATING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUNOAS	ENDOCRINO ENDOCRINO I.256 SAY) 6.44 SAY) M 3.1	LOGY TEST: TOTAL ng/mL μgm/dL	0.35 - 1.93 4.87 - 12.60	
TRIIODOTHYRONI by CMIA (CHEMILUMII THYROXINE (T4): 5 by CMIA (CHEMILUMII THYROID STIMULA by CMIA (CHEMILUMII 3rd GENERATION, ULT INTERPRETATION: TSH levels are subject to day has influence on the triiodothyronine (T3).Fai	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNOAS SERUM IESCENT MICROPARTICLE IMMUNOAS ATING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUNOAS RASENSITIVE circadian variation, reaching peak levels l	ENDOCRINO ENDOCRINO I.256 SAY) 6.44 SAY) M 3.1 SAY) between 2-4 a.m and at a mid stimulates the production	LOGY TEST: TOTAL ng/mL µgm/dL µIU/mL	0.35 - 1.93 4.87 - 12.60 0.35 - 5.50	ne of th
TRIIODOTHYRONI by CMIA (CHEMILUMII THYROXINE (T4): 5 by CMIA (CHEMILUMII THYROID STIMULA by CMIA (CHEMILUMII 3rd GENERATION, ULT INTERPRETATION: TSH levels are subject to day has influence on the triiodothyronine (T3).Fai	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNOAS SERUM IESCENT MICROPARTICLE IMMUNOAS ATING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUNOAS RASENSITIVE circadian variation, reaching peak levels l measured serum TSH concentrations. TSH lure at any level of regulation of the hyp	ENDOCRINO ENDOCRINO I.256 SAY) 6.44 SAY) M 3.1 SAY) between 2-4 a.m and at a mid stimulates the production	LOGY TEST: TOTAL ng/mL μgm/dL μIU/mL	0.35 - 1.93 4.87 - 12.60 0.35 - 5.50	ne of th

CLINICAL CONDITION	13	14	ISH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

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

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





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Val	ue Unit	Biological Reference interval

Test Name			Value	Unit	t	Biological Reference inte	erval
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) rman & Consultant Patholog	M	m Chopra D (Pathology) nt Pathologist
NAME	: Mr. SATISH GAR	G		
AGE/ GENDER	: 68 YRS/MALE		PATIENT ID	: 1714686
COLLECTED BY	:		REG. NO./LAB NO.	: 042501030005
REFERRED BY	:		REGISTRATION DATE	: 03/Jan/2025 09:58 AM
ARCODE NO.	: A1260231		COLLECTION DATE	: 03/Jan/2025 03:43PM
LIENT CODE.	: KOS DIAGNOSTI	C SHAHBAD	REPORTING DATE	: 03/Jan/2025 06:07PM
LIENT ADDRESS	: 6349/1, NICHOL	SON ROAD, AMBALA CANT	Т	
Fest Name		Value	Unit	Biological Reference interval
			TAMINS HYDROXY VITAMIN I	03
2	DROXY VITAMIN D ESCENCE IMMUNOASS		ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
	CIENT:	< 20		ng/mL
DEFIC INSUFF	CIENT: FICIENT:	21 - 29		ng/mL
INSUFF PREFFERE INTOXI 1.Vitamin D compour	FICIENT: ED RANGE: CATION: nds are derived from	21 - 29 30 - 100 > 100	n plants, Vitamin D2), or ch	9

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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Dr. Vinay Cl MD (Pathology & Chairman & Cor				(Pathology)
NAME	: Mr. SATISH GARG			
AGE/ GENDER	: 68 YRS/MALE	PATIE	NT ID	: 1714686
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REFERRED BY		REGIS	TRATION DATE	: 03/Jan/2025 09:58 AM
BARCODE NO.	: A1260231		CTION DATE	: 03/Jan/2025 03:43PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		RTING DATE	: 03/Jan/2025 07:24PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN			
Test Name		Value	Unit	Biological Reference interval
VITAMIN B12/COB		VITAMIN B12/CO 534 AY)	BALAMIN pg/mL	190.0 - 890.0
INTERPRETATION:-				
	ED VITAMIN B12		DECREASED VITAMIN	NB12
1.Ingestion of Vitam 2.Ingestion of Estrog		1.Pregnancy	n, Anti-convulsants	Colchicipo
3.Ingestion of Vitam		3.Ethanol Igesti		
4.Hepatocellular injury		4. Contraceptive Harmones		
5.Myeloproliferative disorder		5.Haemodialysis		
5.Myeloproliferativ				
5.Myeloproliferativ 6.Uremia	amin) is necessary for hematopoie	6. Multiple Mye	eloma	





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







	Dr. Vinay Cho MD (Pathology & I Chairman & Const	Microbiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME	: Mr. SATISH GARG				
AGE/ GENDER	: 68 YRS/MALE	РАТ	TENT ID	: 1714686	
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REFERRED BY			ISTRATION DATE	: 03/Jan/2025 09:58 AM	
BARCODE NO. CLIENT CODE.	: A1260233	COLLECTION DATE REPORTING DATE		: 03/Jan/2025 03:44PM : 03/Jan/2025 04:51PM	
CLIENT CODE.					
	,,.,				
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL DA	FUOLOCY		
		CLINICAL PA	I HULUG I SCOPIC EXAMINA	TION	
PHYSICAL EXAMIN			SCOPIC EXAMINA	ATION	
QUANTITY RECIEV		10	ml		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY					
		PALE YELLOW	V	PALE YELLOW	
		CLEAR		CLEAR	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY		1.02		1.002 - 1.030	
by DIP STICK/REFLEC CHEMICAL EXAMI	TANCE SPECTROPHOTOMETRY NATION				
REACTION		ACIDIC			
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
SUGAR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH	TANCE SPECTROPHOTOMETRY	5.5		5.0 - 7.5	
BILIRUBIN	TANCE SPECI ROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
NIT KITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		J.			
		Normal	EU/dL	0.2 - 1.0	
		Negative		NEGATIVE (-ve)	
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
ASCORBIC ACID	TABLE OF LUTROFILUTOWETRY	NEGATIVE (-w	ve)	NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
RED BLOOD CELLS		NEGATIVE (-v	ve) /HPF	0 - 3	



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

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

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	ſ	
Test Name	Value	Unit	Biological Reference interval
by MICROSCOPY ON (CENTRIEUGED LIRINARY SEDIMENT		

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-4	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/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



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