



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME : M	irs. USHA GUPTA			
AGE/ GENDER : 69	9 YRS/FEMALE		PATIENT ID	: 1709119
COLLECTED BY : SU	JRJESH		REG. NO./LAB NO.	: 012412260014
REFERRED BY :			REGISTRATION DATE	: 26/Dec/2024 10:35 AM
BARCODE NO. : 01	1523021		COLLECTION DATE	: 26/Dec/2024 10:57AM
	OS DIAGNOSTIC LAB		REPORTING DATE	: 26/Dec/2024 11:16AM
CLIENT ADDRESS : 63	349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
DED BLOOD CELLS (DE			LLNESS PANEL: 1.5 OOD COUNT (CBC)	5
HAEMOGLOBIN (HB)	<u>bcs) count and indices</u>	10.9 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC			Ŭ	
RED BLOOD CELL (RBC) by HYDRO DYNAMIC FOCUS) COUNT SING, ELECTRICAL IMPEDENCE	5.46 ^H	Millions/	7 cmm 3.50 - 5.00
PACKED CELL VOLUME	(PCV)	36.9 ^L	%	37.0 - 50.0
MEAN CORPUSCULAR V	MATED HEMATOLOGY ANALYZER OLUME (MCV) MATED HEMATOLOGY ANALYZER	67.6 ^L	fL	80.0 - 100.0
MEAN CORPUSCULAR H		19.9 ^L	pg	27.0 - 34.0
by CALCULATED BY AUTON	IEMOGLOBIN CONC. (MCHC) MATED HEMATOLOGY ANALYZER	29.5 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTIO	ON WIDTH (RDW-CV) MATED HEMATOLOGY ANALYZER	16.3 ^H	%	11.00 - 16.00
RED CELL DISTRIBUTIO		40.9	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		12.38	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by calculated WHITE BLOOD CELLS ((WR('S)	20.12	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE COU	JNT (TLC)	4800	/cmm	4000 - 11000
	D CELLS (nRBCS)	NIL		0.00 - 20.00
NUCLEATED RED BLOO by AUTOMATED 6 PART HE				





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







Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. USHA GUPTA AGE/ GENDER : 69 YRS/FEMALE **PATIENT ID** :1709119 **COLLECTED BY** : SURJESH :012412260014 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 26/Dec/2024 10:35 AM : **BARCODE NO.** :01523021 **COLLECTION DATE** : 26/Dec/2024 10:57AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :26/Dec/2024 11:16AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 56 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 27 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 6 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 11 % 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 2688 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1296 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 288 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 528 /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 223000 /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) 14^H fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 125000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 56^H 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.2% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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









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Test Name	Va	lue Unit	Biological Reference interval



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	-	REPORTING DATE	: 26/Dec/2024 02:51PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			
Test Name		Value	Unit	Biological Reference interval
WHOLE BLOOD	EMOGLOBIN (HbA1c):	6.3	EMOGLOBIN (HBA1) %	4.0 - 6.4
	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	134.11	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFOR	RMANCE LIQUID CHROMATOGRAPHY)			60.00 - 140.00
by HPLC (HIGH PERFO INTERPRETATION:		IABETES ASSOCIA		
by HPLC (HIGH PERFOI INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI	IABETES ASSOCIA	TION (ADA):	
by HPLC (HIGH PERFOI INTERPRETATION: INTERPRETATION: INOn dia	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP	IABETES ASSOCIA	TION (ADA): /COSYLATED HEMOGLOGIB <5.7 5.7 - 6.4	
by HPLC (HIGH PERFO INTERPRETATION: Non dia A	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years	IABETES ASSOCIA	TION (ADA): /COSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5	
by HPLC (HIGH PERFO INTERPRETATION: Non dia A	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	IABETES ASSOCIA GLY	TION (ADA): (COSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	(HBAIC) in %
by HPLC (HIGH PERFOI INTERPRETATION: Non dia A D	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	IABETES ASSOCIA GLY Goals c	TION (ADA): /COSYLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years of Therapy:	(HBAIC) in %
by HPLC (HIGH PERFOI INTERPRETATION: Non dia A D	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	IABETES ASSOCIA GLY Goals c	TION (ADA): (COSYLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years of Therapy: Suggested:	(HBAIC) in %
by HPLC (HIGH PERFOI INTERPRETATION: Non dia A D	RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	IABETES ASSOCIA GLY Goals c Actions	TION (ADA): /COSYLATED HEMOGLOGIB <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years of Therapy:	(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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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
'est Name		Value	Unit	Biological Reference interval
ystemic lupus eryth ONDITION WITH LO low ESR can be see polycythaemia), sigi	ematosus W ESR n with conditions that inhibit the	e normal sedimentati bunt (leucocytosis) , ;	on of red blood cells, s	bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (suc
IOTE: . ESR and C - reactiv. . Generally, ESR doe . CRP is not affected . If the ESR is elevat . Women tend to ha . Drugs such as dex	e protein (C-RP) are both marker is not change as rapidly as does o by as many other factors as is ES ed, it is typically a result of two to ve a higher ESR, and menstruation tran, methyldopa, oral contracep ad quinine may decrease it	CRP, either at the sta R, making it a better ypes of proteins, glo on and pregnancy car	marker of inflammation bulins or fibrinogen. cause temporary eleva	1.





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 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

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· · · · · · · · · · · · · · · · · · ·	& Microbiology) nsultant Pathologi		(Pathology) : Pathologist
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: 6349/1, NICHOLSON ROAD	, AMBALA CANT	Г	
	Value	Unit	Biological Reference interval
CLINI			'nY
(F): PLASMA E - PEROXIDASE (GOD-POD)	102 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
	: Mrs. USHA GUPTA : 69 YRS/FEMALE : SURJESH : : 01523021 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD CLINI (F): PLASMA	: Mrs. USHA GUPTA : 69 YRS/FEMALE : SURJESH : : 01523021 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Value CLINICAL CHEMIS GLUCOSI (F): PLASMA 102 ^H	: Mrs. USHA GUPTA : 69 YRS/FEMALE PATIENT ID : SURJESH REG. NO./LAB NO. : 01523021 COLLECTION DATE : 01523021 COLLECTION DATE : KOS DIAGNOSTIC LAB REPORTING DATE : 6349/1, NICHOLSON ROAD, AMBALA CANTT : CLINICAL CHEMISTRY/BIOCHEMIST GLUCOSE FASTING (F) (F): PLASMA 102 ^H mg/dL

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION IN ACCORDANCE 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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		hopra & Microbiology) onsultant Pathologist		(Pathology)
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CLIENT CODE. : K	OS DIAGNOSTIC LAB]	REPORTING DATE	: 26/Dec/2024 01:12PM
CLIENT ADDRESS : 63	349/1, NICHOLSON ROAI), AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		I IPID PRO	FILE : BASIC	
HOLESTEROL TOTAL:	SEDIM	287.58 ^H	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXIDASI		287.58"	ilig/ uL	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
RIGLYCERIDES: SERU	M	163.93 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPHATE	OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
IDL CHOLESTEROL (DI by SELECTIVE INHIBITION	RECT): SERUM	51.91	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITION				BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
DL CHOLESTEROL: SE		202.88 ^H	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPECTRC	PHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
ION HDL CHOLESTERC	I. SERUM	235.67 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPECTRO		233.07		ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
LDL CHOLESTEROL: S by CALCULATED, SPECTRO		32.79	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM		739.09 ^H	mg/dL	350.00 - 700.00
by CALCULATED, SPECTRO			U	
CHOLESTEROL/HDL RA by CALCULATED, SPECTRO		5.54 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0
				HIGH RISK: > 11.0
用設備設置	2	0		



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

yhoira







	Dr. Vinay Ch		Dr. Yugam	
	MD (Pathology & Chairman & Con	Microbiology) sultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist
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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		3.91 ^H	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	3.16	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
	LIVER	FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.72	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CCT (UNCONJUGATED): SERUM	0.55	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	32.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	34.1	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	0.95	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	81.79	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM PHTOMETRY	11.55	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.21	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.72	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		2.49	gm/dL	2.30 - 3.50
A : G RATIO: SERUI	M	1.9	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)
	> 1.5 (Sirginity 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).

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



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Test Name		Value	Unit	Biological Reference interval	
	KIDNE	EY FUNCTION	TEST (COMPLETE)		
UREA: SERUM		30.31	mg/dL	10.00 - 50.00	
-	ATE DEHYDROGENASE (GLDH)				
CREATININE: SERU by ENZYMATIC, SPEC		0.93	mg/dL	0.40 - 1.20	
BLOOD UREA NITE	ROGEN (BUN): SERUM	14.16	mg/dL	7.0 - 25.0	
by CALCULATED, SPE BLOOD UREA NITE	ROGEN (BUN)/CREATININE	15.23	RATIO	10.0 - 20.0	
RATIO: SERUM		10120		1010 2010	
by CALCULATED, SPE UREA/CREATININ		32.59	RATIO		
by CALCULATED, SPE	ECTROPHOTOMETRY				
URIC ACID: SERUM by URICASE - OXIDAS		7.1 ^H	mg/dL	2.50 - 6.80	
CALCIUM: SERUM		10.07	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE		0.44			
PHOSPHOROUS: SE by PHOSPHOMOLYBE	LKUM DATE, SPECTROPHOTOMETRY	3.41	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM		139.3	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV POTASSIUM: SERU		4.37	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV		4.37	IIIIII01/ L	3.30 - 3.00	
CHLORIDE: SERUN by ISE (ION SELECTIV		104.48	mmol/L	90.0 - 110.0	
	IERULAR FILTERATION RATE				
(eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	66.5			

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)







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		t CEO & Consultant Pathologist			
NAME	: Mrs. USHA GUPTA					
GE/ GENDER	: 69 YRS/FEMALE	PA	ATIENT ID	: 1709119	9	
OLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012412	2260014	
REFERRED BY		R	EGISTRATION DA	ATE · 26/Dec/	/2024 10:35 A	M
ARCODE NO.	: 01523021		DLLECTION DATI		/2024 10:57A	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE		/2024 01:12PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA				2024 01.121	IVI
	. 0040/ 1, 1101101501/ 1.0/1					
Fest Name		Value	Uni	it	Biological Re	eference interv
I. Postrenal azotemia	20:1) WITH ELEVATED CREATIN a (BUN rises disproportionately superimposed on renal diseas	y more than creatinine) (e.g. obstructive	uropathy).		
Postrenal azotemia Prerenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin there STIMATED GLOMERL CKD STAGE	a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually at of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATII py (accelerates conversion of eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION	y more than creatinine se. iffuses out of extracell osent in blood). rmone) due to tubular VINE: creatine to creatinine) increase in creatinine e measurement).	ular fluid). secretion of urea with certain meth min/1.73m2)	nodologies,resultin	NDINGS	atio when dehyd
Postrenal azotemia Prerenal azotemia Cecreased RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of SIADH (syndrome of Pregnancy. Pecreased RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually at of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATII py (accelerates conversion of eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fu	y more than creatinine se. iffuses out of extracell osent in blood). rmone) due to tubular VINE: creatine to creatinine) increase in creatinine e measurement). VINE: GFR (mL/ nction	ular fluid). secretion of urea with certain meth min/1.73m2) >90	nodologies,resultin ASSOCIATED FII	NDINGS uria	atio when dehyd
Postrenal azotemia Prerenal azotemia CEREASED RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. Peregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin there STIMATED GLOMERL CKD STAGE	a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually at of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATII py (accelerates conversion of eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fu Kidney damage	y more than creatinine se. iffuses out of extracell osent in blood). rmone) due to tubular VINE: creatine to creatinine) increase in creatinine e measurement). VINE: GFR (mL/ nction	ular fluid). secretion of urea with certain meth min/1.73m2)	nodologies,resultin ASSOCIATED FII No proteinu Presence of Pr	NDINGS uria otein ,	atio when dehyd
Postrenal azotemia Prerenal azotemia CREASED RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually at of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATII py (accelerates conversion of eleases muscle creatinine). who develop renal failure. creased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fu	y more than creatinine se. iffuses out of extracell osent in blood). rmone) due to tubular VINE: creatine to creatinine) increase in creatinine). e measurement). V GFR (mL/ nction With GFR	ular fluid). secretion of urea with certain meth min/1.73m2) >90	nodologies,resultin ASSOCIATED FII	NDINGS uria otein ,	atio when dehyd
Postrenal azotemia Prerenal azotemia CREASED RATIO (< Acute tubular necr Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. Peregnancy. Peregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL G1 G2	a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually at of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATII py (accelerates conversion of eleases muscle creatinine). who develop renal failure. treased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fu Kidney damage normal or high Moderate decrease	y more than creatinine se. iffuses out of extracell osent in blood). rmone) due to tubular VINE: creatine to creatinine). increase in creatinine). e measurement). N GFR (mL/ nction with GFR 6 e in GFR 6	ular fluid). secretion of urea with certain meth <u>min/1.73m2)</u> >90 >90 0 -89 00-59	nodologies,resultin ASSOCIATED FII No proteinu Presence of Pr	NDINGS uria otein ,	atio when dehyd
Postrenal azotemia Prerenal azotemia DECREASED 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 thei <u>STIMATED GLOMERU G1 G2 G3a </u>	a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually at of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATII py (accelerates conversion of eleases muscle creatinine). who develop renal failure. treased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE: DESCRIPTION Normal kidney fu Kidney damage normal or high Mild decrease in	y more than creatinine se. iffuses out of extracell osent in blood). rmone) due to tubular VINE: creatine to creatinine) increase in creatinine) increase in creatinine) measurement). V GFR (mL/ nction with GFR GFR GFR GFR GFR GFR GFR 1 0 GFR	ular fluid). secretion of urea with certain meth <u>min/1.73m2)</u> >90 >90 0 -89	nodologies,resultin ASSOCIATED FII No proteinu Presence of Pr	NDINGS uria otein ,	atio when dehyd





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









Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 26/Dec/2024 01:12PM
BARCODE NO.	: 01523021	COLLECTION DATE	: 26/Dec/2024 10:57AM
REFERRED BY	:	REGISTRATION DATE	: 26/Dec/2024 10:35 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012412260014
AGE/ GENDER	: 69 YRS/FEMALE	PATIENT ID	: 1709119
NAME	: Mrs. USHA GUPTA		
	Chairman & Consulta		D (Pathology) nt Pathologist
	Dr. Vinay Chopr MD (Pathology & Mici		m Chopra

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated

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

MBBS, MD (PATHOLOGY)







Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis			crobiology)	Dr. Yugam Chopra MD (Pathology) st CEO & Consultant Pathologist		
NAME	: Mrs. USHA G	UPTA				
AGE/ GENDER	: 69 YRS/FEM	ALE		PATIENT ID	: 1709119	
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CLIENT ADDRESS	: 6349/1, NICI	HOLSON ROAD, AM	BALA CANTT			
Test Name			Value	Unit	Biological Reference interval	
			IRON	PROFILE		
RON: SERUM	TROPHOTOMETRY	,	62.4	μg/dL	37.0 - 145.0	
JNSATURATED IR SERUM by FERROZINE, SPEC			235.9	µg/dL	150.0 - 336.0	
COTAL IRON BIND SERUM by SPECTROPHOTON		(TIBC)	298.3	µg/dL	230 - 430	
TRANSFERRIN S.			20.92	%	15.0 - 50.0	
FRANSFERRIN: SE by SPECTROPHOTOM	RUM		211.79	mg/dL	200.0 - 350.0	
NTERPRETATION:-						
VARIAB		ANEMIA OF CHRO		IRON DEFICIENCY ANEMI		
SERUM II		Normal to Re		Reduced	Normal	
TOTAL IRON BIND	ING CAPACITY:	Decrease	ed	Increased	Normal	

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.

Decreased < 12-15 %

Decreased

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):

% TRANSFERRIN SATURATION:

SERUM FERRITIN:

1.It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

Decreased

Normal to Increased

% 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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Normal

Normal or Increased

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist			Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME	: Mrs. USHA GUPTA					
AGE/ GENDER	: 69 YRS/FEMALE	РАТ	IENT ID	: 1709119		
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	:012412260014		
REFERRED BY	:	REG	ISTRATION DATE	: 26/Dec/2024 10:35 AM		
BARCODE NO.	:01523021	COL	LECTION DATE	: 26/Dec/2024 10:57AM		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 26/Dec/2024 01:12PM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT				
Test Name		Value	Unit	Biological Reference in	terval	
		ENDOCRIN	OLOGY			
	THY	ROID FUNCTIO	N TEST: TOTAL			
TRIIODOTHYRONI	NE (T3): SERUM iescent microparticle immunoass,	1.01 AY)	ng/mL	0.35 - 1.93		
THYROXINE (T4): S	SERUM iescent microparticle immunoass,	7.63 ^(4Y)	µgm/d	L 4.87 - 12.60		
	ATING HORMONE (TSH): SERUM		µIU/m	L 0.35 - 5.50		
3rd GENERATION, ULT <u>INTERPRETATION</u> :	RASENSITIVE					
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations. TSH :	stimulates the producti	on and secretion of the	<i>pm. The variation is of the order of 50%.Hence t</i> metabolically active hormones, thyroxine (T4)a her underproduction (hypothyroidism) or		
CLINICAL CONDITION	T3		4	TSH		
Primary Hypothyroidis		Re	duced	Increased (Significantly)		

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

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

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (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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	Dr. Vinay Chopra MD (Pathology & Microbiol Chairman & Consultant Pat	C//	(Pathology)
NAME	: Mrs. USHA GUPTA		
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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	LEVELS 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 (Pa	nay Chopra thology & Microbiology) an & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
AME	: Mrs. USHA GUPTA			
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CLIENT ADDRESS		N ROAD, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		VITA	MINS	
		VITAMIN D/25 HY	DROXY VITAMIN D	3
by CLIA (CHEMILUMINE	DROXY VITAMIN D3) escence immunoassay)		DROXY VITAMIN D ng/mL	3 DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMINE			ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMINE <u>NTERPRETATION:</u> DEFIC INSUFF	ESCENCE IMMUNOASSAY)	SERUM 67.1 	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMINE <u>NTERPRETATION:</u> DEFIC INSUFF PREFFERE INTOXIC	ESCENCE IMMUNOASSAY)	SERUM 67.1 < 20 21 - 29 30 - 100 > 100	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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	Dr. Vinay Ch MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mrs. USHA GUPTA			
AGE/ GENDER	: 69 YRS/FEMALE		PATIENT ID	: 1709119
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Test Name		Value	Unit	Biological Reference interval
	SED VITAMIN B12	1.000000	DECREASED VITAMIN	N B12
1.Ingestion of Vitan		1.Pregna	ancy	Calabiaina
		Z.DRUG		
2.Ingestion of Estro			allaestion	
3.Ingestion of Vitan		3.Ethano 4. Contra		
	jury	4. Contra	bl Igestion aceptive Harmones odialysis	
3.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia 1.Vitamin B12 (cobal	jury	4. Contra 5.Haemo 6. Multip iesis and normal	aceptive Harmones odialysis ole Myeloma neuronal function.	





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

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COLLECTED BY	: SURJESH		G. NO./LAB NO.	:012412260014
REFERRED BY BARCODE NO.	: : 01523021		SISTRATION DATE	: 26/Dec/2024 10:35 AM : 26/Dec/2024 10:57AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 26/Dec/2024 12:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINE RO		SCOPIC EXAMINA	ATION
PHYSICAL EXAMIN				
QUANTITY RECIEV		10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELL	ow	PALE YELLOW
by DIP STICK/REFLEC TRANSPARANCY	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
by DIP STICK/REFLEC SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	1.01		1.002 1.000
<u>CHEMICAL EXAMI</u> REACTION	NATION	ALKALINE		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	7.5		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC UROBILINOGEN	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			NEGATIVE (-ve)
•	TANCE SPECTROPHOTOMETRY	Negative		
ASCORBIC ACID by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-v	/e)	NEGATIVE (-ve)
MICROSCOPIC EXA	MINATION			
RED BLOOD CELLS	(RBCs)	NEGATIVE (-v	/e) /HPF	0 - 3



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







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



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

NAME	: Mrs. USHA GUPTA				
AGE/ GENDER	: 69 YRS/FEMALE		PATIENT ID	: 1709119	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012412260014	
REFERRED BY	:		REGISTRATION DATE	E : 26/Dec/2024 10:35 AM	
BARCODE NO.	: 01523021		COLLECTION DATE	: 26/Dec/2024 10:57AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 26/Dec/2024 12:01PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval	
by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT				
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	3-5	/HPF	0 - 5	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	00	/ 111 1	0 0
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	6-8	/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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