

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
VAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. NIRMAL : 70 YRS/FEMALE : SURJESH : : 01523774 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBA		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1722240 : 012501120007 : 12/Jan/2025 08:59 AM : 12/Jan/2025 09:34AM : 12/Jan/2025 09:57AM
Fest Name		Value	Unit	Biological Reference interval
	S (RBCS) COUNT AND INDICES		DOD COUNT (CBC)	10.0 10.0
IAEMOGLOBIN (H)		8.5 ^L	gm/dL	12.0 - 16.0
ED BLOOD CELL (RBC) COUNT	3.31 ^L	Millions/	cmm 3.50 - 5.00
ACKED CELL VOLU		26.5 ^L	%	37.0 - 50.0
IEAN CORPUSCUL	AR VOLUME (MCV)	80	fL	80.0 - 100.0
IEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	25.8 ^L	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC)	32.2	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	16.2 ^H	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	48.4	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
MENTZERS INDEX by calculated		24.17	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INE by calculated		39.34	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
ИНТЕ ВІ ЛАВ СЕІ	LLJ (VVDUJ)	11400 ^H	/cmm	4000 - 11000
	E COUNT (TLC)		,	
•	Y BY SF CUBE & MICROSCOPY			0.00 - 20.00
FOTAL LEUCOCYTE by flow cytometry NUCLEATED RED B by automated 6 par		NIL NIL	%	0.00 - 20.00 < 10 %





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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. NIRMAL **AGE/ GENDER** : 70 YRS/FEMALE **PATIENT ID** :1722240 **COLLECTED BY** : SURJESH :012501120007 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 12/Jan/2025 08:59 AM : **BARCODE NO.** :01523774 **COLLECTION DATE** : 12/Jan/2025 09:34AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 12/Jan/2025 09:57AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 73^H % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 16^L % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 4 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 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 2000 - 7500 8322^H /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1824 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 456^H /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 798 /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 281000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.37^H PLATELETCRIT (PCT) % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 13^H fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 131000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 46.5^H 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.1%

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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Test Name	Value	Unit	Biological Reference interval





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CLIENT ADDRESS			NING DAIL	. 12/ Jail/ 2023 03.021 W
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CAN I I		
Test Name		Value	Unit	Biological Reference interva
	GLYCO	DSYLATED HAEMO	GLOBIN (HBA1	C)
WHOLE BLOOD	EMOGLOBIN (HbA1c):	DSYLATED HAEMO 7.6 ^H	GLOBIN (HBA1) %	C) 4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA				
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	7.6 ^H	%	4.0 - 6.4
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	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (% mg/dL (ADA):	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (% mg/dL ADA): LATED HEMOGLOGIB	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (% mg/dL ADA): ATED HEMOGLOGIB <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (% mg/dL ADA): ATED HEMOGLOGIB <5.7 5.7 - 6.4	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (% mg/dL ADA): 	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI INTERPRETATION: Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (GLYCOSYI	% mg/dL ADA): ADA): 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (GLYCOSYI	% mg/dL ADA): 	4.0 - 6.4 60.00 - 140.00 (HBAIC) in % < 7.0
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	7.6 ^H 171.42 ^H DIABETES ASSOCIATION (GLYCOSYI	% mg/dL ADA): 	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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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est Name		Value	Unit	Biological Reference interval
Noweythaomial cign	e cell anaemia) also lower the	ESR.	, and some protein abito	rmalities. Šome changes in red cell shape (suc

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Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY	BIOCHEMIST	RY
			TNC (F)	
		GLUCOSE FAST		

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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Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		132.53	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SJ by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	161.18 ^H	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 INHIBITI	L (DIRECT): SERUM	50.86	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		49.43	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST by CALCULATED, SPE		81.67	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTERC by CALCULATED, SPE		32.24	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE		426.24	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		2.61	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		0.97	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	3.17	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
	IIVFR	FUNCTION	I TEST (COMPLETE)	
BILIRUBIN TOTAL:		0.5	mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY	0.5	ing/ uL	ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.34	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		22.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM		36.9	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE		0.61	RATIO	0.00 - 46.00
ALKALINE PHOSPH		88.41	U/L	40.0 - 130.0
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM	29.4	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.27	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.18	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	[2.09 ^L	gm/dL	2.30 - 3.50
A : G RATIO: SERUN		2	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

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



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

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	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		Pathology)
NAME	: Mrs. NIRMAL			
AGE/ GENDER	: 70 YRS/FEMALE		PATIENT ID	: 1722240
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012501120007
REFERRED BY	:		REGISTRATION DATE	: 12/Jan/2025 08:59 AM
BARCODE NO.	:01523774		COLLECTION DATE	: 12/Jan/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Jan/2025 01:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interv
	KIDNE	EY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		42.7	mg/dL	10.00 - 50.00
,	MATE DEHYDROGENASE (GLDH)	1.00		0.40 1.20
CREATININE: SER		1.08	mg/dL	0.40 - 1.20
	ROGEN (BUN): SERUM	19.95	mg/dL	7.0 - 25.0
•	ECTROPHOTOMETRY ROGEN (BUN)/CREATININE	18.47	RATIO	10.0 - 20.0
RATIO: SERUM		10.17	101110	10.0 20.0
by CALCULATED, SPE UREA/CREATININ	ECTROPHOTOMETRY	39.54	RATIO	
	E KATIO. SEKUM ECTROPHOTOMETRY	59.54	KATIO	
URIC ACID: SERUM		3.32	mg/dL	2.50 - 6.80
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.34	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE			Ŭ	
PHOSPHOROUS: SI	ERUM DATE, SPECTROPHOTOMETRY	3.51	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		139.9	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV		1.9	mmal/I	2 50 5 00
POTASSIUM: SERU by ISE (ION SELECTIV		4.8	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		104.93	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV ESTIMATED GLON	TERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	55.3		
(eGFR): SERUM		0010		
by CALCULATED INTERPRETATION:				
	icon pro, and post ronal azatomia			

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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	1	Dr. Vinay Chopr 1D (Pathology & Micr Chairman & Consultar	robiology)	Dr. Yugan MD & Consultant	(Pathology)	
IAME	: Mrs. NIRMA	L				
GE/ GENDER	: 70 YRS/FEMA	LE	PATIENT II)	: 1722240	
COLLECTED BY	: SURJESH		REG. NO./L	AB NO.	: 012501120007	
REFERRED BY	·		REGISTRAT		: 12/Jan/2025 08:59	0.414
BARCODE NO.	:01523774		COLLECTIO		: 12/Jan/2025 09:34	
CLIENT CODE.	: KOS DIAGNO		REPORTING	G DATE	: 12/Jan/2025 01:08	8PM
CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, AMB	ALA CANTT			
Test Name			Value	Unit	Biological	l Reference interval
9. Certain drugs (e.g. NCREASED RATIO (>2	tetracycline, glu					
NCREASED RATIO (>2 1. Postrenal azotemia 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 (< 8. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin the ESTIMATED GLOMERI OKD STAGE	tetracycline, glu 20:1) WITH ELEVA a (BUN rises dispr superimposed o 10:1) WITH DECRE osis. and starvation. e. creased urea syr (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCRE py (accelerates of eleases muscle of who develop rer creased BUN/cre rapy (interferes w JLAR FILTERATION	cocorticoids) TED CREATININE LEVI roportionately more in renal disease. EASED BUN : thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creating reatinine). hal failure. e causes false increase eatinine ratio). vith creatinine measu. J RATE: DESCRIPTION	ELS: than creatinine) (e.g. obsi but of extracellular fluid). blood). due to tubular secretion e to creatinine). se in creatinine with certa	of urea. ain methodolo	ogies,resulting in norma SOCIATED FINDINGS	al ratio when dehydrat
NCREASED RATIO (>2 . Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< . Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 7. Phenacimide thera 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido hould produce an in 8. Cephalosporin thera STIMATED GLOMERI CKD STAGE G1	tetracycline, glu 20:1) WITH ELEVA a (BUN rises dispr superimposed o 10:1) WITH DECRE osis. Ind starvation. e. creased urea syr (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCRE py (accelerates of eleases muscle of who develop rer bis (acetoacetate creased BUN/cre rapy (interferes w JLAR FILTERATION North	thesis. ASED BUN : ASED BUN : ASED BUN : ASED BUN : ASED CREATININE: onversion of creating reatinine). al failure. CREATININE: onversion of creating reatinine ratio). with creatinine measu. JESCRIPTION mal kidney function	ELS: than creatinine) (e.g. obsident but of extracellular fluid). blood). due to tubular secretion e to creatinine). se in creatinine with certa urement). GFR (mL/min/1.73r 90	of urea. ain methodolo n2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria	al ratio when dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Nherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Anuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE	tetracycline, glu 20:1) WITH ELEVA a (BUN rises dispr superimposed o 10:1) WITH DECRE tosis. Ind starvation. e. creased urea syr (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCRE topy (accelerates of eleases muscle of who develop rer creased BUN/cre rapy (interferes w JLAR FILTERATION Norm Kid	cocorticoids) TED CREATININE LEVI roportionately more in renal disease. EASED BUN : thesis. creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creating reatinine). hal failure. e causes false increase eatinine ratio). vith creatinine measu. J RATE: DESCRIPTION	ELS: than creatinine) (e.g. obsident but of extracellular fluid). blood). due to tubular secretion e to creatinine). se in creatinine with certa urement). GFR (mL/min/1.73r	of urea. ain methodolo n2) AS	ogies,resulting in norma SOCIATED FINDINGS	al ratio when dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Neperated dialysis Naperopriate Artio Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE CKD STAGE G1 G2 G3a	tetracycline, glu 20:1) WITH ELEVA a (BUN rises disprisuperimposed of 10:1) WITH DECRE rosis. and starvation. e. creased urea syr (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCRE upy (accelerates of releases muscle of who develop rer bis (acetoacetate creased BUN/cre rapy (interferes w JLAR FILTERATION Norm Kio Norm	thesis. ASED BUN : ASED BUN : ASED BUN : ASED BUN : ASED CREATININE Creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creating reatinine). Ial failure. CREATININE: DESCRIPTION MATE: DESCRIPTION Mal kidney function Iney damage with Irmal or high GFR d decrease in GFR	ELS: than creatinine) (e.g. obside that creatinine) (e.g. obside but of extracellular fluid). blood). due to tubular secretion e to creatinine). e to creatinine with certa trement). GFR (mL/min/1.73r >90 >90 60 - 89	of urea. ain methodolo n2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydraf
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet and 3. Severe liver diseas 4. Other causes of dec 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido 5. Nould produce an in 2. Cephalosporin their STIMATED GLOMERI G1 G2 G3a G3a G3b	tetracycline, glu 20:1) WITH ELEVA a (BUN rises disprisuperimposed of 10:1) WITH DECRE rosis. and starvation. e. creased urea syr (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCRE upy (accelerates of releases muscle of who develop rer biss (acetoacetate creased BUN/creased app (interferes w <u>JLAR FILTERATION</u> Norm Kio Norm Kio Nord Kio	thesis. ASED BUN : ASED BUN : ASED BUN : ASED BUN : ASED CREATININE Creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creating reatinine ratio). <i>i</i> th creatinine measu. ARATE: DESCRIPTION mal kidney function Iney damage with urmal or high GFR d decrease in GFR rate decrease in GFR	ELS: than creatinine) (e.g. obside that creatinine) (e.g. obside blood). due to tubular secretion e to creatinine). se in creatinine with certa irrement). GFR (mL/min/1.73r >90 >90 60 -89 30-59	of urea. ain methodolo n2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydrat
NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Neperated dialysis Naperopriate Artio Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE CKD STAGE G1 G2 G3a	tetracycline, glu 20:1) WITH ELEVA a (BUN rises disprisuperimposed of 10:1) WITH DECRE rosis. and starvation. e. creased urea syr (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCRE upy (accelerates of releases muscle of who develop rer biss (acetoacetate creased BUN/creased app (interferes w <u>JLAR FILTERATION</u> Norm Kio Norm Kio Nord Kio	thesis. ASED BUN : ASED BUN : ASED BUN : ASED BUN : ASED CREATININE Creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: onversion of creating reatinine). Ial failure. CREATININE: DESCRIPTION MATE: DESCRIPTION Mal kidney function Iney damage with Irmal or high GFR d decrease in GFR	ELS: than creatinine) (e.g. obside that creatinine) (e.g. obside but of extracellular fluid). blood). due to tubular secretion e to creatinine). e to creatinine with certa trement). GFR (mL/min/1.73r >90 >90 60 - 89	of urea. ain methodolo n2) AS	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydraf





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Page 12 of 20





	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pat		(Pathology)
NAME	: Mrs. NIRMAL		
AGE/ GENDER	: 70 YRS/FEMALE	PATIENT ID	: 1722240
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501120007
REFERRED BY	:	REGISTRATION DATE	: 12/Jan/2025 08:59 AM
BARCODE NO.	: 01523774	COLLECTION DATE	: 12/Jan/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 12/Jan/2025 01:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Val	ue 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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NAME	: Mrs. NIRMAL			
AGE/ GENDER	: 70 YRS/FEMALE	PATIE	NT ID	: 1722240
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REFERRED BY	:	REGIS	TRATION DATE	: 12/Jan/2025 08:59 AM
BARCODE NO.	: 01523774	COLLE	CTION DATE	: 12/Jan/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 12/Jan/2025 12:24PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		IRON PROP	ILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	38.31	μg/dL	37.0 - 145.0
UNSATURATED IR SERUM by FERROZINE, SPEC	ON BINDING CAPACITY (UIBC)	288.13	µg/dL	150.0 - 336.0
•	ING CAPACITY (TIBC)	326.44	µg/dL	230 - 430
%TRANSFERRIN S	ATURATION: SERUM	11.74 ^L	%	15.0 - 50.0
TRANSFERRIN: SE		231.77	mg/dL	200.0 - 350.0

SPECTROPHOTOMETERY (FERENE)

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





	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	licrobiology)		(Pathology)
NAME	: Mrs. NIRMAL			
AGE/ GENDER	: 70 YRS/FEMALE		PATIENT ID	: 1722240
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Jan/2025 12:21PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interv
			TION TEST: TOTAL	
TRIIODOTHYRONI		1.052	ng/mL	0.35 - 1.93
THYROXINE (T4): S	iescent microparticle immunoass. SERUM	7.62	µgm/dL	4.87 - 12.60
	ESCENT MICROPARTICLE IMMUNOASS.	AY)	10 /	
by CMIA (CHEMILUMIN THYROID STIMULA	IESCENT MICROPARTICLE IMMUNOASS. TING HORMONE (TSH): SERUM IESCENT MICROPARTICLE IMMUNOASS.	5.339	µIU/mL	0.35 - 5.50
by CMIA (CHEMILUMIN THYROID STIMULA by CMIA (CHEMILUMIN 3rd GENERATION, ULT	TING HORMONE (TSH): SERUM	5.339		0.35 - 5.50
by CMIA (CHEMILUMIN THYROID STIMULA by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION: TSH levels are subject to a day has influence on the triiodothyronine (T3).Fai	TING HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASS, RASENSITIVE	I 5.339 AY) etween 2-4 a.m an stimulates the pro	µIU/mL d at a minimum between 6-10 p oduction and secretion of the m	m. The variation is of the order of 50%.Hence time of etabolically active hormones, thyroxine (T4)and
by CMIA (CHEMILUMIN THYROID STIMULA by CMIA (CHEMILUMIN 3rd GENERATION, ULT INTERPRETATION: TSH levels are subject to a day has influence on the triiodothyronine (T3).Fai	TING HORMONE (TSH): SERUM IESCENT MICROPARTICLE IMMUNOASS RASENSITIVE circadian variation, reaching peak levels be measured serum TSH concentrations. TSH lure at any level of regulation of the hypo	I 5.339 AY) etween 2-4 a.m an stimulates the pro	µIU/mL d at a minimum between 6-10 p oduction and secretion of the m	m. The variation is of the order of 50%.Hence time of etabolically active hormones, thyroxine (T4)and
by CMIA (CHEMILUMIN THYROID STIMULA by CMIA (CHEMILUMIN 3rd GENERATION, ULT <u>INTERPRETATION</u> : TSH levels are subject to of day has influence on the triiodothyronine (T3).Fai overproduction(hyperthy CLINICAL CONDITION Primary Hypothyroidist	TING HORMONE (TSH): SERUM SECENT MICROPARTICLE IMMUNOASS RASENSITIVE Circadian variation, reaching peak levels be measured serum TSH concentrations. TSH lure at any level of regulation of the hypo proidism) of T4 and/or T3. T3 m: Reduced	AY) <i>etween 2-4 a.m an</i> stimulates the pro- othalamic-pituitary	µIU/mL d at a minimum between 6-10 p oduction and secretion of the m y-thyroid axis will result in either T4 Reduced	m. The variation is of the order of 50%.Hence time of etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or
by CMIA (CHEMILUMIN THYROID STIMULA by CMIA (CHEMILUMIN 3rd GENERATION, ULT <u>INTERPRETATION</u> : TSH levels are subject to of day has influence on the trilodothyronine (T3).Fai overproduction(hyperthy CLINICAL CONDITION	TING HORMONE (TSH): SERUM SECENT MICROPARTICLE IMMUNOASS RASENSITIVE Circadian variation, reaching peak levels be measured serum TSH concentrations. TSH lure at any level of regulation of the hypo proidism) of T4 and/or T3. T3 m: Reduced	AY) <i>etween 2-4 a.m an</i> stimulates the pro- othalamic-pituitary	µIU/mL d at a minimum between 6-10 p oduction and secretion of the m y-thyroid axis will result in eithe	m. The variation is of the order of 50%.Hence time of etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or TSH

LIMITATIONS:-

Subclinical Hyperthyroidism:

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

Normal or High Normal

Reduced

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

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism , recent rapid correction of hyperthyroidism or hypothyroidism , pregnancy , phenytoin therapy.

TRIIODOTH	(RONINE (T3)	THYROX	INE (T4)	THYROID STIMU	ATING 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

Normal or High Normal





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mrs. NIRMAL		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	

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	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		

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 (Patho	y Chopra ology & Microbiology) & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. NIRMAL			
AGE/ GENDER	: 70 YRS/FEMALE	PATIE	NT ID	: 1722240
COLLECTED BY	: SURJESH	REG. N	IO./LAB NO.	: 012501120007
REFERRED BY	:	REGIS	TRATION DATE	: 12/Jan/2025 08:59 AM
BARCODE NO.	:01523774	COLLE	CTION DATE	: 12/Jan/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 12/Jan/2025 12:21PM
CLIENT ADDRESS	: 6349/1, NICHOLSON I	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		VITAMI	IS	
		VITAMIN D/25 HYDRO		3
by CLIA (CHEMILUMINI	DROXY VITAMIN D3): S ESCENCE IMMUNOASSAY)	ERUM 40.1	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	ı/mL
INSUF	FICIENT:	21 - 29	n	j/mL
	ED RANGE: CATION:	<u> </u>		j/mL j/mL
2.25-OHVitamin D ro tissue and tightly bou 3.Vitamin D plays a p phosphate reabsorpt 4.Severe deficiency n DECREASED:	epresents the main body i und by a transport protein rimary role in the mainte ion, skeletal calcium depo	while in circulation. nance of calcium homeostatis. sition, calcium mobilization, m ralize newly formed osteoid in	/itamin D and trans It promotes calciun ainly regulated by p	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.

KOS Diagnostic Lab (A Unit of KOS Healthcare)



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

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

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

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

 www.koshealthcare.com
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	Dr. Vinay Ch MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)
AME	: Mrs. NIRMAL			
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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
<u> ITERPRETATION:-</u>		ISSAY)		
	SED VITAMIN B12		DECREASED VITAMIN	I B12
INCREAS 1.Ingestion of Vitan	nin C	1.Pregnancy		
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro	nin C gen	1.Pregnancy 2.DRUGS:Aspir	in, Anti-convulsants,	
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	nin C gen nin A	1.Pregnancy 2.DRUGS:Aspir 3.Ethanol Igest	in, Anti-convulsants, tion	
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in	nin C gen nin A jury	1.Pregnancy 2.DRUGS:Aspir 3.Ethanol Igest 4. Contraceptiv	in, Anti-convulsants, tion ve Harmones	
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia Vitamin B12 (cobal	nin C gen nin A jury	1.Pregnancy 2.DRUGS:Aspir 3.Ethanol Igest 4. Contraceptiv 5.Haemodialys 6. Multiple My oiesis and normal neuro	rin, Anti-convulsants, tion ve Harmones sis eloma mal function.	Colchicine





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.





٢	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist	MD	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist				
NAME: Mrs. NIRMAIAGE/ GENDER: 70 YRS/FEMACOLLECTED BY: SURJESHREFERRED BY:BARCODE NO.: 01523774CLIENT CODE.: KOS DIAGNOSCLIENT ADDRESS: 6349/1, NICH	- ALE I I	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1722240 : 012501120007 : 12/Jan/2025 08:59 AM : 12/Jan/2025 09:34AM : 12/Jan/2025 11:10AM				
Test Name	Value	Unit	Biological Reference interval				
	CLINICAL I	PATHOLOGY					
URINE ROUTINE & MICROSCOPIC EXAMINATION							
PHYSICAL EXAMINATION							
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROP		ml					
COLOUR	PALE YELI	LOW	PALE YELLOW				
by DIP STICK/REFLECTANCE SPECTROPI TRANSPARANCY	HAZY		CLEAR				
by DIP STICK/REFLECTANCE SPECTROPI SPECIFIC GRAVITY	PHOTOMETRY 1.02		1.002 - 1.030				
by DIP STICK/REFLECTANCE SPECTROP CHEMICAL EXAMINATION							
CHEMICAL EXAMINATION REACTION	ACIDIC						
by DIP STICK/REFLECTANCE SPECTROP PROTEIN			NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROF	PHOTOMETRY		NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROP							
pH by DIP STICK/REFLECTANCE SPECTROP	5.5 PHOTOMETRY		5.0 - 7.5				
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPI	Negative		NEGATIVE (-ve)				
NITRITE by DIP STICK/REFLECTANCE SPECTROP	Negative		NEGATIVE (-ve)				
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROP	Normal	EU/dL	0.2 - 1.0				
KETONE BODIES	Negative		NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROPI BLOOD	PHOTOMETRY Negative		NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROP		(-ve)	NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROP							
MICROSCOPIC EXAMINATION RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URIN	NEGATIVE	(-ve) /HPF	0 - 3				



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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. NIRMAL			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	4-6	/HPF	0 - 5
EPITHELIAL CELLS	S CENTRIFUGED URINARY SEDIMENT	8-10	/HPF	ABSENT
CRYSTALS		NEGATIVE (-ve)		NECATIVE (-ve)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
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

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

End Of Report



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

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

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