

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mrs. VINITA				
AGE/ GENDER	: 64 YRS/FEMALE		PATIENT ID	: 1662786	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:01241106002	3
REFERRED BY	:		REGISTRATION DATE	:06/Nov/202410):08 AM
BARCODE NO.	: 01520211		COLLECTION DATE	:06/Nov/202410):23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:06/Nov/202410):41AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANT	Γ		
Test Name		Value	Unit	Biologie	cal Reference interval
	SWAST	HYA WI	ELLNESS PANEL: 1.	5	
			LOOD COUNT (CBC)		
RED BLOOD CELLS	G (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H		11.8 ^L	gm/dL	12.0 - 1	6.0
RED BLOOD CELL (RBC) COUNT	4.43	Millions	/cmm 3.50 - 5	.00
PACKED CELL VOLU	UME (PCV)	38.9	%	37.0 - 5	0.0
MEAN CORPUSCUL		87.9	fL	80.0 - 1	00.0
MEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	26.7 ^L	pg	27.0 - 3	4.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	30.4 ^L	g/dL	32.0 - 3	6.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	17.9 ^H	%	11.00 -	16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	58.5 ^H	fL	35.0 - 5	6.0
MENTZERS INDEX		19.84	RATIO	13.0	HALASSEMIA TRAIT: < EFICIENCY ANEMIA:
GREEN & KING INE by CALCULATED	DEX	35.6	RATIO	65.0	HALASSEMIA TRAIT:<= EFICIENCY ANEMIA: >
WHITE BLOOD CE	<u>LLS (WBCS)</u>				
FOTAL LEUCOCYTE	E COUNT (TLC) (by sf cube & microscopy	8570	/cmm	4000 -	11000
NUCLEATED RED B	BLOOD CELLS (nRBCS)	NIL		0.00 - 2	0.00
by AUTOMATED 6 PAR					





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

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MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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

NAME	: Mrs. VINITA		
AGE/ GENDER	: 64 YRS/FEMALE	PATIENT ID	: 1662786
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411060023
REFERRED BY	:	REGISTRATION DATE	: 06/Nov/2024 10:08 AM
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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by SF cube & microscopy	84 ^H	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	12 ^L	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	7199	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1028	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	86	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by sf cube & microscopy	257	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	278000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.32	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	12	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	103000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	36.9	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	15.5	%	15.0 - 17.0



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 06/Nov/2024 03:32PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			
Test Name		Value	Unit	Biological Reference interv
	EMOGLOBIN (HbA1c):	6.8 ^H	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	6.8 ^H 148.46 ^H	% mg/dL	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	148.46 ^H	mg/dL	
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	148.46 ^H DIABETES ASSOCIATION	mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN	148.46 ^H DIABETES ASSOCIATION	mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT dia Non dia A	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	148.46 ^H DIABETES ASSOCIATION	mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT dia Non dia A	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	148.46 ^H DIABETES ASSOCIATION	mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	148.46 ^H DIABETES ASSOCIATION GLYCOSY	mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A D	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	148.46 ^H DIABETES ASSOCIATION GLYCOSY GLYCOSY GLYCOSY GLYCOSY	mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A D	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	148.46 ^H DIABETES ASSOCIATION GLYCOSY	mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	60.00 - 140.00 (HBAIC) in %

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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LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
'est Name		Value	Unit	Biological Reference interval
	ificantly high white blood cel e cell anaemia) also lower the	l count (leucocytosis), and some protein abno	uch as a high red blood cell count see (sucl rmalities. Some changes in red cell shape (sucl

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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BARCODE NO.	:01520211	COLL	ECTION DATE	:06/Nov/2024 10:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	:06/Nov/2024 11:37AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	NICAL CHEMISTRY.	BIOCHEMIST	RY
		GLUCOSE FAST	TING (F)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TO	TAL: SERUM	301.09 ^H	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP	001.00	0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: S		103.54	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTERO	L (DIRECT): SERUM	83.19 ^H	mg/dL	LOW HDL: < 30.0
by SELECTIVE INTIBIT				BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROI by CALCULATED, SPE		197.19 ^H	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	CIROPHOIOMEIRY			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0
NON HDL CHOLEST	FROL·SERUM	917 oH	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0
by CALCULATED, SPE		217.9 ^H	ilig/ dL	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
VLDL CHOLESTER		20.71	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SER		705.72 ^H	mg/dL	350.00 - 700.00
by CALCULATED, SPE				
CHOLESTEROL/HD		3.62	RATIO	LOW RISK: 3.30 - 4.40
Sy OALOOLAILD, SPE				AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0
				HIGH RISK: > 11.0



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.37	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H	IDL RATIO: SERUM	1.24 ^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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. VINITA AGE/ GENDER : 64 YRS/FEMALE **PATIENT ID** :1662786 **COLLECTED BY** : SURJESH :012411060023 REG. NO./LAB NO. **REFERRED BY** : **REGISTRATION DATE** :06/Nov/2024 10:08 AM **BARCODE NO.** :01520211 **COLLECTION DATE** :06/Nov/2024 10:23AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :06/Nov/2024 11:37AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit LIVER FUNCTION TEST (COMPLETE)

LIVER	FUNCTION TEST (CO	MIPLEIE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.44	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	10.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	14.9	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.68	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para nitrophenyl phosphatase by amino methyl propanol	70.99	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	14.76	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.47	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.8	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by Calculated, spectrophotometry	2.67	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.42	RATIO	1.00 - 2.00

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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Biological Reference interval

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NAME	MD (Pathology & Microl Chairman & Consultant : Mrs. VINITA	biology) ME Pathologist CEO & Consultan	

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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CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	:06/Nov/2024 11:37AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNI	EY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		42.45	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)		Ũ	
CREATININE: SER		0.92	mg/dL	0.40 - 1.20
BLOOD UREA NITH	ROGEN (BUN): SERUM	19.84	mg/dL	7.0 - 25.0
	ECTROPHOTOMETRY ROGEN (BUN)/CREATININE	21.57 ^H	RATIO	10.0 - 20.0
RATIO: SERUM		21.57	101110	10.0 20.0
by CALCULATED, SPI UREA/CREATININ	ECTROPHOTOMETRY	46.14	RATIO	
	ECTROPHOTOMETRY	40.14	KATIO	
URIC ACID: SERUN by URICASE - OXIDAS		5.23	mg/dL	2.50 - 6.80
CALCIUM: SERUM	SE PEROXIDASE	9.29	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE			Ű	
PHOSPHOROUS: SI by PHOSPHOMOLYBI	ERUM DATE, SPECTROPHOTOMETRY	2.73	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		145.3	mmol/L	135.0 - 150.0
by ISE (ION SELECTIN POTASSIUM: SERU		4.26	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				3.30 - 3.00
CHLORIDE: SERUN		108.98	mmol/L	90.0 - 110.0
by ISE (ION SELECTIN ESTIMATED GLON	TERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	69.5		
(eGFR): SERUM		00.0		
by CALCULATED				

by CALCULATED

INTERPRETATION:

To differentiate between pre- and post renal azotemia. INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	1	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		Yugam Cł MD (Pati Isultant Path	nology)			
IAME	: Mrs. VINITA								
AGE/ GENDER	: 64 YRS/FEM	ALE		PATIENT ID	:	1662786			
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	:	0124110600	23		
REFERRED BY				REGISTRATION D) 06/Nov/2024		Л	
	: 01520211								
BARCODE NO.				COLLECTION DAT		06/Nov/2024			
CLIENT CODE.	: KOS DIAGNO			REPORTING DATE	<u>s</u> :	06/Nov/2024	11:37AM	l	
CLIENT ADDRESS	: 6349/1, NICI	HOLSON ROAD, AMB	LA CANTT						
Test Name			Value	Uni	it	Biolog	gical Ref	ference in	terval
burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 2. Low protein diet ar	kia, high fever). (e.g. ureter colo ass (subnormal d tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed o D:1) WITH DECR bsis.	stomy) creatinine production cocorticoids) TED CREATININE LEVE roportionately more t n renal disease.) LS:	on, GI bleeding, thy ne) (e.g. obstructive					
7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 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 1. Phenacimide thera 2. Rhabdomyolysis (ru 3. Muscular patients 5. Muscular patients 5. Muscular patients 5. Mappropiate RATIO 1. Diabetic ketoacido 5. Should produce an inu 2. Cephalosporin ther	kia, high fever). (e.g. ureter colo ass (subnormal of tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed of D:1) WITH DECR osis. d starvation. creased urea syr urea rather thar nonemias (urea f inappropiate a D:1) WITH INCRE oy (accelerates of eleases muscle of who develop rer sis (acetoacetate creased BUN/creation LAR FILTERATION Nor Kin Mor Kin Mi	stomy) creatinine production cocorticoids) TED CREATININE LEVE roportionately more t n renal disease. EASED BUN : thesis. to creatinine diffuses of is virtually absent in ntidiuretic harmone) CASED CREATININE: conversion of creatine creatinine). hal failure. the causes false increas eatinine ratio). with creatinine measu) LS: nan creatinin ut of extrace blood). due to tubul to creatinin e in creatinin rement).	ne) (e.g. obstructive ellular fluid). ar secretion of urea ie).	e uropathy). hodologies <u>ASSOCI</u> <u>No</u> Preser		ormal rat	io when de	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 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 1. Phenacimide thera 2. Rhabdomyolysis (ro 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an inc 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 G2 G3a	kia, high fever). (e.g. ureter colo ass (subnormal of tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed of D:1) WITH DECRI osis. d starvation. creased urea syrure reased urea syrure reased urea syrure transference of transference of transference of transference of transference of transference of D:1) WITH INCRE oy (accelerates of eleases muscle of who develop remiss (acetoacetate reased BUN/creased app (interferes of LAR FILTERATION Nor King Model	stomy) creatinine production cocorticoids) TED CREATININE LEVE roportionately more t n renal disease. EASED BUN : the creatinine diffuses of is virtually absent in ntidiuretic harmone) ASED CREATININE: conversion of creatine creatinine). hal failure. e causes false increas eatinine ratio). with creatinine measu <u>N RATE: DESCRIPTION mal kidney function</u> dney damage with ormal or high GFR Id decrease in GFR) LS: nan creatinin ut of extrace blood). due to tubul to creatinin e in creatinin rement).	ne) (e.g. obstructive ellular fluid). ar secretion of urea ne). he with certain met <u>L/min/1.73m2) >90 >90 60 -89</u>	e uropathy). hodologies <u>ASSOCI</u> <u>No</u> Preser	resulting in no ATED FINDING proteinuria ce of Protein ,	ormal rat	io when de	





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









Test Name	Val	ue Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:06/Nov/2024 11:37AM
BARCODE NO.	:01520211	COLLECTION DATE	:06/Nov/2024 10:23AM
REFERRED BY	:	REGISTRATION DATE	: 06/Nov/2024 10:08 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	:012411060023
AGE/ GENDER	: 64 YRS/FEMALE	PATIENT ID	: 1662786
NAME	: Mrs. VINITA		
	MD (Pathology & Microbio Chairman & Consultant Par	logy) MD	(Pathology)
	Dr. Vinay Chopra	I Dr Yugar	n 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





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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. VINITA AGE/ GENDER : 64 YRS/FEMALE **PATIENT ID** :1662786 : SURJESH **COLLECTED BY** :012411060023 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :06/Nov/2024 10:08 AM : **BARCODE NO.** :01520211 **COLLECTION DATE** :06/Nov/2024 10:23AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :06/Nov/2024 11:37AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit

			8
	IRON PROFILE		
IRON: SERUM by FERROZINE, SPECTROPHOTOMETRY	85.1	µg/dL	37.0 - 145.0
UNSATURATED IRON BINDING CAPACITY (UIBC) :SERUM by FERROZINE, SPECTROPHOTOMETERY	266.64	µg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) :SERUM by SPECTROPHOTOMETERY	351.74	µg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by CALCULATED, SPECTROPHOTOMETERY (FERENE)	24.19	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE) INTERPRETATION:-	249.74	mg/dL	200.0 - 350.0
VARIABLES ANEMIA OF CHRON	NIC DISEASE IRON DEFIC	ENCY ANEMIA	THALASSEMIA α/β TRAIT

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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Biological Reference interval





	Dr. Vinay C MD (Pathology Chairman & Co		M	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. VINITA			
AGE/ GENDER	: 64 YRS/FEMALE		PATIENT ID	: 1662786
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012411060023
REFERRED BY	:		REGISTRATION DATE	: 06/Nov/2024 10:08 AM
BARCODE NO.	:01520211		COLLECTION DATE	:06/Nov/2024 10:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:06/Nov/2024 11:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interva
		ENDOC	RINOLOGY	
	T	HYROID FUNC	CTION TEST: TOTAL	
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNO/	0.822 ASSAY)	ng/mL	0.35 - 1.93
THYROXINE (T4): S	SERUM IESCENT MICROPARTICLE IMMUNO	8.12 ASSAY)	µgm/d	L 4.87 - 12.60
	ATING HORMONE (TSH): SER		µIU/m	L 0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:		,		
day has influence on the trilodothyronine (T3).Fai	measured serum TSH concentrations. 1	SH stimulates the pr	oduction and secretion of the	9 pm. The variation is of the order of 50%.Hence time of a metabolically active hormones, thyroxine (T4)and ther underproduction (hypothyroidism) or
CLINICAL CONDITION	T3		T4	TSH
Primary Hypothyroidis			Reduced	Increased (Significantly)
Subclinical Hypothyroi	dism: Normal or Lov	w Normal	Normal or Low Normal	High

LIMITATIONS:-

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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

Increased

Normal or High Normal

Reduced (at times undetectable)

Reduced

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

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

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

TRIIODOTH	YRONINE (T3)	THYROX	(INE (T4)	THYROID STIMU	LATING HORMONE (TSH)
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (µIU/mL)
0-7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6-12 Months	0.70 - 7.00

Increased

Normal or High Normal





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





316	
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EXCELLENCE IN H	EALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra

	MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology) Pathologist
NAME	: Mrs. VINITA		
AGE/ GENDER	: 64 YRS/FEMALE	PATIENT ID	: 1662786
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411060023
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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	
	RECOM	MENDATIONS OF TSH L	VELS 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.

Dr. Vinay Chopra

3. Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1. Toxic multi-nodular goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
IAME	: Mrs. VINITA			
AGE/ GENDER	: 64 YRS/FEMALE	PAT	FIENT ID	: 1662786
COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012411060023
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LIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		VITAM	IINS	
	V	TAMIN D/25 HYDR	ROXY VITAMIN D	3
/ITAMININ OF IN/	DRUAN VITAMIN DRIVER	2UM 34	ng/mL	DEFICIENCY: < 20.0
by CLIA (CHEMILUMIN	ESCENCE IMMUNOASSAY)		ing, ind	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMIN NTERPRETATION:		< 20		INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0
by CLIA (CHEMILUMIN <u>NTERPRETATION:</u> DEFI INSUFI	ESCENCE IMMUNOASSAY) CIENT: FICIENT:	< 20 21 - 29		INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>INTERPRETATION:</u> DEFI INSUFI PREFFERI INTOXI	ESCENCE IMMUNOASSAY) CIENT: FICIENT: ED RANGE: ICATION: Inds are derived from dietary	< 20 21 - 29 30 - 100 > 100 ergocalciferol (from plan	ng ng ng ts, Vitamin D2), or cho	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMIN <u>INTERPRETATION:</u> <u>DEFIN</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u> <u>INSUFI</u>	ESCENCE IMMUNOASSAY) CIENT: FICIENT: ED RANGE: CATION: Inds are derived from dietary idrocholecalciferol to Vitami represents the main body res und by a transport protein w orimary role in the maintenai cion, skeletal calcium deposit may lead to failure to minera coosure. malabsorption (celiac disea Vitamin D 25- hydroxylase a need Liver disease Secondary Hyperparathroidis rugs: anti-epileptic drugs like	 < 20 21 - 29 30 - 100 > 100 ergocalciferol (from plan n D3 in the skin upon Ultr evoir and transport form of the in circulation. nce of calcium homeostation. calcium mobilization lize newly formed osteoic se) ctivity m (Mild to Moderate defite e phenytoin, phenobarbita 	ng ng ng ng ng ts. Vitamin D2), or cho aviolet exposure. of Vitamin D and trans tis. It promotes calciun , mainly regulated by p t in bone, resulting in r	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0 y/mL y/mL y/mL y/mL ecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose absorption, renal calcium absorption and

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com







	Dr. Vinay Ch MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)
IAME	: Mrs. VINITA			
AGE/ GENDER	: 64 YRS/FEMALE	РАТ	TENT ID	: 1662786
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	: 012411060023
REFERRED BY	:	REG	ISTRATION DATE	: 06/Nov/2024 10:08 AM
BARCODE NO.	:01520211	COL	LECTION DATE	: 06/Nov/2024 10:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 06/Nov/2024 11:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Fest Name		Value	Unit	Biological Reference interval
NTERPRETATION:-	NESCENT MICROPARTICLE IMMUNOA			VB12
		1.5	DECREASED VITAMIN	NB12
1.Ingestion of Vitan 2.Ingestion of Estro		1.Pregnancy 2.DRUGS:Asr	pirin, Anti-convulsants	Colchicine
		3.Ethanol Ige		
3.Ingestion of Vitan		J.Lthanoriyu	311011	
4.Hepatocellular in	ijury	4. Contracep	tive Harmones	
4.Hepatocellular in 5.Myeloproliferativ	ijury	4. Contracep 5.Haemodial	tive Harmones ysis	
4.Hepatocellular in 5.Myeloproliferativ 6.Uremia	ijury	4. Contracep 5.Haemodial 6. Multiple N	tive Harmones ysis Iyeloma	





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



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		v & Microbiology)	Dr. Yugam MD EO & Consultant	(Pathology)
NAME	: Mrs. VINITA			
AGE/ GENDER	: 64 YRS/FEMALE	PATIENT	T ID	: 1662786
COLLECTED BY	: SURJESH	REG. NO.	/LAB NO.	:012411060023
REFERRED BY	:	REGISTR	RATION DATE	: 06/Nov/2024 10:08 AM
BARCODE NO.	:01520211	COLLECT	TION DATE	:06/Nov/2024 10:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ING DATE	:06/Nov/2024 10:54AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO	DLOGY	
	URINER	OUTINE & MICROSCO		ATION
PHYSICAL EXAMI				
QUANTITY RECIEV	/ED	10	ml	
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
	CTANCE SPECTROPHOTOMETRY			
TRANSPARANCY	CTANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY	l	1.01		1.002 - 1.030
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
REACTION	INATION	ALKALINE		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
pH		7.5		5.0 - 7.5
BILIRUBIN	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN			NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	Negative		
UROBILINOGEN by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EX RED BLOOD CELLS		NEGATIVE (-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, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	0-2	/HPF	0 - 5
EPITHELIAL CELL by MICROSCOPY ON	S CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	ABSENT
	CENTRI COLD ONIVART SEDIVIENT			

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
CASTS	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
BACTERIA	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
OTHERS	NEGATIVE (-ve)	NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT	ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		

*** End Of Report ***



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

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

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