

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Pathology & Micr Chairman & Consultar		M	Im Chopra D (Pathology) Int Pathologis	
AME	: Ms. GEETANJALI				
GE/ GENDER	: 40 YRS/FEMALE		PATIENT ID	: 16963	34
OLLECTED BY	:		REG. NO./LAB NO.	:01241	12110019
EFERRED BY	:		REGISTRATION DATE	:11/De	c/2024 10:13 AM
ARCODE NO.	: 01522299		COLLECTION DATE		c/2024 10:18AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:11/De	c/2024 10:55AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	ľ		
Fest Name		Value	Unit		Biological Reference interval
	SWAST	HYA WI	ELLNESS PANEL: 1	.5	
	COMP	LETE BI	LOOD COUNT (CBC)		
ED BLOOD CELLS	(RBCS) COUNT AND INDICES		· ·		
IAEMOGLOBIN (HE	3)	13	gm/dL		12.0 - 16.0
by CALORIMETRIC	RBC) COUNT	4.49	Million	is/cmm	3.50 - 5.00
by HYDRO DYNAMIC FO	DCUSING, ELECTRICAL IMPEDENCE				
ACKED CELL VOLU by CALCULATED BY AL	ME (PCV) JTOMATED HEMATOLOGY ANALYZER	40.3	%		37.0 - 50.0
IEAN CORPUSCULA	R VOLUME (MCV) JTOMATED HEMATOLOGY ANALYZER	89.8	fL		80.0 - 100.0
IEAN CORPUSCULA	AR HAEMOGLOBIN (MCH)	28.8	pg		27.0 - 34.0
	JTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	32.1	g/dL		32.0 - 36.0
by CALCULATED BY AU	JTOMATED HEMATOLOGY ANALYZER		Ŭ		
	JTION WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	12.9	%		11.00 - 16.00
	JTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	43.3	fL		35.0 - 56.0
MENTZERS INDEX	JTOMATED HEMATOLOGT ANALTZER	20	RATIO		BETA THALASSEMIA TRAIT: <
by CALCULATED					13.0 IRON DEFICIENCY ANEMIA:
					>13.0
REEN & KING IND	EX	25.66	RATIO		BETA THALASSEMIA TRAIT:<
by CALCULATED					65.0 IRON DEFICIENCY ANEMIA: >
					65.0
VHITE BLOOD CEL		5000			4000 11000
OTAL LEUCOCYTE by FLOW CYTOMETRY	COUNT (TLC) BY SF CUBE & MICROSCOPY	5880	/cmm		4000 - 11000
	LOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL			0.00 - 20.00
	LOOD CELLS (nRBCS) %	NIL	%		< 10 %





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

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Dr. Yugam Chopra

CEO & Consultant Pathologist

MD (Pathology)

NAME : Ms. GEETANJALI AGE/ GENDER : 40 YRS/FEMALE **PATIENT ID** :1696334 **COLLECTED BY** REG. NO./LAB NO. :012412110019 **REFERRED BY REGISTRATION DATE** :11/Dec/2024 10:13 AM **BARCODE NO.** :01522299 **COLLECTION DATE** :11/Dec/2024 10:18AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :11/Dec/2024 10:55AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 52 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 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 3058 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2234 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 294/cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 294 /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 246000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.29 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 98000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 39.7 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16 %

Dr. Vinay Chopra

MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

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)







	Dr. Vinay Chopra MD (Pathology & Microbiol Chairman & Consultant Pat		(Pathology)
NAME	: Ms. GEETANJALI		
AGE/ GENDER	: 40 YRS/FEMALE	PATIENT ID	: 1696334
COLLECTED BY	:	REG. NO./LAB NO.	: 012412110019
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Test Name	Val	ue Unit	Biological Reference interval



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	licrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
: Ms. GEETANJALI			
: 40 YRS/FEMALE	P	ATIENT ID	: 1696334
:	R	EG. NO./LAB NO.	: 012412110019
:	R	EGISTRATION DATE	: 11/Dec/2024 10:13 AM
01522299			: 11/Dec/2024 10:18AM
			: 11/Dec/2024 01:56PM
	Value	Unit	Biological Reference interva
GLYCOS	SYLATED HAE	MOGLOBIN (HBA1)	C)
EMOGLOBIN (HbA1c):	SYLATED HAE 5	MOGLOBIN (HBA1) %	C) 4.0 - 6.4
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	5 96.8	% mg/dL	4.0 - 6.4
EMOGLOBIN (HbA1c): rmance liquid chromatography) GE PLASMA GLUCOSE	5 96.8 IABETES ASSOCIAT	% mg/dL TON (ADA):	4.0 - 6.4 60.00 - 140.00
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN D	5 96.8 IABETES ASSOCIAT	% mg/dL	4.0 - 6.4 60.00 - 140.00
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP	5 96.8 IABETES ASSOCIAT	% mg/dL TON (ADA): COSYLATED HEMOGLOGIB	4.0 - 6.4 60.00 - 140.00
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years	5 96.8 IABETES ASSOCIAT	% mg/dL TON (ADA): <u>COSYLATED HEMOGLOGIB</u> <5.7 5.7 - 6.4 >= 6.5	4.0 - 6.4 60.00 - 140.00
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5 96.8 ABETES ASSOCIAT	% mg/dL TON (ADA): <u>COSYLATED HEMOGLOGIB</u> <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	5 96.8 ABETES ASSOCIAT GLYC GOals of	% mg/dL TON (ADA): COSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years f Therapy:	4.0 - 6.4 60.00 - 140.00 (HBAIC) in % < 7.0
EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	5 96.8 ABETES ASSOCIAT GLYC GOals of	% mg/dL TON (ADA): <u>COSYLATED HEMOGLOGIB</u> <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
	Chairman & Consul : Ms. GEETANJALI : 40 YRS/FEMALE : : : 015222299 : KOS DIAGNOSTIC LAB	: 40 YRS/FEMALE P : R : R : 01522299 C : KOS DIAGNOSTIC LAB R : 6349/1, NICHOLSON ROAD, AMBALA CANTT	CEO & Consultant : Ms. GEETANJALI : 40 YRS/FEMALE PATIENT ID : 01522299 REG. NO./LAB NO. : KOS DIAGNOSTIC LAB REPORTING DATE : 6349/1, NICHOLSON ROAD, AMBALA CANTT

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be 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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F ANJALI EMALE 9	1	PATIENT ID	: 1696334
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9]	REGISTRATION DATE	: 11/Dec/2024 10:13 AM
		COLLECTION DATE	: 11/Dec/2024 10:18AM
GNOSTIC LAB]	REPORTING DATE	: 11/Dec/2024 11:53AM
NICHOLSON ROAD, AM	IBALA CANTT		
	Value	Unit	Biological Reference interval
tions that inhibit the non- nonitor disease activity non white blood cell coun- nia) also lower the ESR. RP) are both markers of e as rapidly as does CRP other factors as is ESR, non- ally a result of two type SR, and menstruation a	and response t ormal sediment it (leucocytosis) f inflammation. P, either at the s making it a bett es of proteins, g and pregnancy c	o therapy in both of the a ation of red blood cells, s , and some protein abno start of inflammation or a er marker of inflammation lobulins or fibrinogen. an cause temporary eleva	n. Itions.
	SR, and menstruation a lopa, oral contraceptiv	SR, and menstruation and pregnancy of lopa, oral contraceptives, penicillamin	ally a result of two types of proteins, globulins or fibrinogen. SR, and menstruation and pregnancy can cause temporary eleva lopa, oral contraceptives, penicillamine procainamide, theophy ay decrease it





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	MD (Patho	ay Chopra blogy & Microbiology) & Consultant Pathologist	Dr. Yugam C MD (Pa CEO & Consultant Pa	ithology)
NAME	: Ms. GEETANJALI			
AGE/ GENDER	: 40 YRS/FEMALE	PATI	ENT ID	: 1696334
COLLECTED BY	:	REG.	NO./LAB NO.	: 012412110019
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CLIENT ADDRESS	: 6349/1, NICHOLSON I	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CI	LINICAL CHEMISTRY	/BIOCHEMISTRY	Y
		GLUCOSE FAS	TING (F)	
GLUCOSE FASTING	G (F): PLASMA E - PEROXIDASE (GOD-POD)	91.12	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

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





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		Chopra y & Microbiology) consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	REPORTING DATE	: 11/Dec/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT	TAL: SERUM	154.86	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP		8	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
FRIGLYCERIDES: S		159.9 ^H	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 CHOLESTEROI by SELECTIVE INHIBIT	L (DIRECT): SERUM	40.55	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
by SELECTIVE INITIDITI				60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROI by CALCULATED, SPE		82.33	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SFL	CIROFHOTOMETRI			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST	EROL: SERUM	114.31	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE				ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
VLDL CHOLESTERC		31.98	mg/dL	0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SER		469.62	mg/dL	350.00 - 700.00
by CALCULATED, SPE	CTROPHOTOMETRY			
CHOLESTEROL/HD by CALCULATED, SPE		3.82	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 4.30 - 7.0
<i>b</i> , <i>c</i> , <u>c</u> , <i>c</i> , <u>c</u>				



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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NAME	: Ms. GEETANJALI			
AGE/ GENDER	: 40 YRS/FEMALE		PATIENT ID	: 1696334
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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.03	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	3.94	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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	Dr. Vinay Chop MD (Pathology & M Chairman & Consul [,]	icrobiology)	Dr. Yugam (MD (P CEO & Consultant Pa	athology)
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Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT	: SERUM <i>PECTROPHOTOMETRY</i> 7 (CONJUGATED): SERUM	2 FUNCTION 0.44 0.13	TEST (COMPLETE) mg/dL mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40
	SPECTROPHOTOMETRY CT (UNCONJUGATED): SERUM ECTROPHOTOMETRY	0.31	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		26.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	35.6	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE		0.74	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	IATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	89.45	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM Phtometry	20.59	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.4	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol g	REEN	4.14	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		3.26	gm/dL	2.30 - 3.50

by CALCULATED, SPECTROPHOTOMETRY INTERPRETATION

A : G RATIO: SERUM

by CALCULATED, SPECTROPHOTOMETRY

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

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

1.27



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

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

RATIO

1.00 - 2.00

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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BARCODE NO.	:01522299	COLLECTION I	DATE : 11/Dec/2024 10:18AM
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COLLECTED BY	:	REG. NO./LAB	NO. : 012412110019
AGE/ GENDER	: 40 YRS/FEMALE	PATIENT ID	: 1696334
NAME	: Ms. GEETANJALI		
	MD (Pathology & Chairman & Cor	Cr /	MD (Pathology) Consultant Pathologist
	Dr. Vinay Ch	opra D	r. Yugam Chopra

|--|

DECREASED:

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

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

PROGNOSTIC	SIGNIFICANCE:

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



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

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	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		(Pathology)
NAME	: Ms. GEETANJALI			
AGE/ GENDER	: 40 YRS/FEMALE		PATIENT ID	: 1696334
COLLECTED BY	:		REG. NO./LAB NO.	:012412110019
REFERRED BY	:		REGISTRATION DATE	: 11/Dec/2024 10:13 AM
BARCODE NO.	:01522299		COLLECTION DATE	: 11/Dec/2024 10:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:11/Dec/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interv
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)	21.35	mg/dL	10.00 - 50.00
CREATININE: SERU	UM	1.03	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC	CTROPHOTOMETERY ROGEN (BUN): SERUM	9.98	mg/dL	7.0 - 25.0
by CALCULATED, SPE	ECTROPHOTOMETRY	0.00		
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	9.69 ^L	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		20.73	RATIO	
by CALCULATED, SPE URIC ACID: SERUM		3.49	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	SE PEROXIDASE	10.05		
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	10.05	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE		3.03	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		141.9	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV				
POTASSIUM: SERU		3.96	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV	1	106.43	mmol/L	90.0 - 110.0
ESTIMATED GLOM	IERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	70.5		

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





	Dr. Vinay Ch MD (Pathology & Chairman & Con			m Chopra D (Pathology) ht Pathologist	
NAME	: Ms. GEETANJALI				
AGE/ GENDER	: 40 YRS/FEMALE	PATI	ENT ID	: 1696334	
COLLECTED BY	:	REG.	NO./LAB NO.	:012412110019	
REFERRED BY			STRATION DATE	: 11/Dec/2024 10:13	٨M
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 11/Dec/2024 12:09	PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological	Reference interval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININ (BUN rises disproportionately n superimposed on renal disease.	uction) E LEVELS :		cosis, Cushing's syndrome athy).	e, nign protein diet,
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ- tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININ (BUN rises disproportionately n superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 0:1) WITH INCREASED CREATINII py (accelerates conversion of cru- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine n ILAR FILTERATION RATE: <u>DESCRIPTION</u> <u>Normal kidney func</u>	action) E LEVELS: hore than creatinine) (end) auses out of extracellulated ent in blood). hone) due to tubular second IE: eatine to creatinine). crease in creatinine with heasurement). GFR (mL/mining)	g. obstructive urop fluid). retion of urea. h certain methodol	athy). ogies,resulting in normal SSOCIATED FINDINGS No proteinuria	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome 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 ther STIMATED GLOMERL OKD STAGE	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ- tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININ (BUN rises disproportionately n superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 0:1) WITH INCREASED CREATINII py (accelerates conversion of cru- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine n ILAR FILTERATION RATE: <u>DESCRIPTION</u> <u>Normal kidney func</u> Kidney damage wi	action) E LEVELS: hore than creatinine) (end) auses out of extracellulated ent in blood). hone) due to tubular second JE: eatine to creatinine). crease in creatinine with heasurement). GFR (mL/minimed) the source second	g. obstructive urop fluid). retion of urea. h certain methodol	athy). ogies,resulting in normal SSOCIATED FINDINGS No proteinuria Presence of Protein ,	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 2. Cow protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. 7. Phenacimide thera 7. Rhabdomyolysis (r 7. Diabetic ketoacido fould produce an in 7. Cephalosporin ther 5. STIMATED GLOMERL 6. G1	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ- tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININ (BUN rises disproportionately n superimposed on renal disease. 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine diffu- monemias (urea is virtually abse- of inappropiate antidiuretic harm 0:1) WITH INCREASED CREATINII py (accelerates conversion of cru- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). apy (interferes with creatinine n ILAR FILTERATION RATE: <u>DESCRIPTION</u> <u>Normal kidney func</u> <u>Kidney damage wi</u> <u>normal or high Gf</u>	action) E LEVELS: hore than creatinine) (end of extracellulated and in blood). ent in blood). hone) due to tubular second at the second at th	g. obstructive urop	athy). ogies,resulting in normal SSOCIATED FINDINGS No proteinuria	
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)









: 01522299 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CA	COLLECTION DATE REPORTING DATE	: 11/Dec/2024 10:18AM : 11/Dec/2024 12:09PM
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: 01522299	COLLECTION DATE	:11/Dec/2024 10:18AM
:	REGISTRATION DATE	: 11/Dec/2024 10:13 AM
:	REG. NO./LAB NO.	:012412110019
: 40 YRS/FEMALE	PATIENT ID	: 1696334
: Ms. GEETANJALI		
		(Pathology) Pathologist
Dr. Vinay Chopra	Dr. Yugam	
	MD (Pathology & Microbiolo Chairman & Consultant Path : Ms. GEETANJALI : 40 YRS/FEMALE	MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant : Ms. GEETANJALI : 40 YRS/FEMALE PATIENT ID : REG. NO./LAB NO.

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 Chop MD (Pathology & Mi Chairman & Consult	crobiology)	Dr. Yugam MD (I CEO & Consultant F	Pathology)
NAME	: Ms. GEETANJALI			
AGE/ GENDER	: 40 YRS/FEMALE	PATI	ENT ID	: 1696334
COLLECTED BY	:	REG.	NO./LAB NO.	: 012412110019
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	:11/Dec/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
				
Test Name		Value	Unit	Biological Reference interval
		IRON PRO	FILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	60.64	µg/dL	37.0 - 145.0
	ON BINDING CAPACITY (UIBC)	241.31	μg/dL	150.0 - 336.0
	ING CAPACITY (TIBC)	301.95	µg/dL	230 - 430
%TRANSFERRIN SA	ATURATION: SERUM CTROPHOTOMETERY (FERENE)	20.08	%	15.0 - 50.0
TRANSFERRIN: SE		214.38	mg/dL	200.0 - 350.0

by SPECTROPHOTOMETERY (FERENE)

INTERPRETATION:-

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
SERUIVI FERRITIN:	Normal to increased	Decreased	Normal of Increased

IRON:

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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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interv
		ENDOCRIN	OLOGY	
	TI	IVROID FUNCTIO	N TEST: TOTAL	
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNOA	0.776	ng/mL	0.35 - 1.93
THYROXINE (T4): S	SERUM IESCENT MICROPARTICLE IMMUNOA	9.2 ISSAY)	µgm/dl	4.87 - 12.60
	ATING HORMONE (TSH): SER		µIU/mI	0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:				
TSH levels are subject to a day has influence on the	<i>measured serum TSH concentrations</i> . T lure at any level of regulation of the h	SH stimulates the production	on and secretion of the	pm. The variation is of the order of 50%.Hence time o metabolically active hormones, thyroxine (T4)and her underproduction (hypothyroidism) or
CLINICAL CONDITION	Т3	Т	4	TSH
Primary Hypothyroidis			duced	Increased (Significantly)
Subclinical Hypothyroi	dism: Normal or Lov	v Normai Norma	I 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





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Ms. GEETANJALI		
AGE/ GENDER	: 40 YRS/FEMALE	PATIENT ID	: 1696334
COLLECTED BY	:	REG. NO./LAB NO.	: 012412110019
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	r	

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.



		C hopra y & Microbiology) Consultant Pathologist		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE.	: Ms. GEETANJALI : 40 YRS/FEMALE : : : 01522299 : KOS DIAGNOSTIC LAB		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1696334 : 012412110019 : 11/Dec/2024 10:13 AM : 11/Dec/2024 10:18AM : 11/Dec/2024 11:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	ID, AMBALA CANTT	Unit	Biological Reference interval
	CIENT:	< 20		SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
INSUF	FICIENT: ED RANGE:	<u>21 - 29</u> 30 - 100	n	g/mL g/mL
I. Vitamin D compou conversion of 7- dihy 2.25-OHVitamin D r issue and tightly bo 3. Vitamin D plays a r ohosphate reabsorp 4. Severe deficiency r DECREASED: 1. Lack of sunshine ex 2. Inadequate intake 3. Depressed Hepatic 4. Secondary to adva 5. Osteoporosis and 5	vdrocholecalciferol to Vitamin represents the main body rese und by a transport protein wh primary role in the maintenan tion, skeletal calcium depositi may lead to failure to minerali kposure. , malabsorption (celiac diseas Vitamin D 25- hydroxylase ac nced Liver disease Secondary Hyperparathroidisn	D3 in the skin upon evoir and transport fo nile in circulation. ce of calcium homeo on, calcium mobilizat ze newly formed oste e) tivity n (Mild to Moderate	plants, Vitamin D2), or cho Ultraviolet exposure. rm of Vitamin D and trans statis. It promotes calciun tion, mainly regulated by eoid in bone, resulting in t deficiency)	g/mL blecalciferol (from animals, Vitamin D3), or by sport form of Vitamin D, being stored in adipose m absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults.





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		C hopra • & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Ms. GEETANJALI			
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BARCODE NO.	: 01522299	CO	DLLECTION DATE	: 11/Dec/2024 10:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	EPORTING DATE	: 11/Dec/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		1.Pregnanc		N B12
	SED VITAMIN B12		DECREASED VITAMI	N B12
		I Prognanc	V	
1.Ingestion of Vitan				Colchicine
1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	gen		spirin, Anti-convulsants	, Colchicine
2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in	gen nin A jury	2.DRUGS:A 3.Ethanol lo 4. Contrace	spirin, Anti-convulsants gestion ptive Harmones	, Colchicine
2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ	gen nin A jury	2.DRUGS:A 3.Ethanol Ig 4. Contrace 5.Haemodi	spirin, Anti-convulsants gestion ptive Harmones alysis	, Colchicine
2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia 1.Vitamin B12 (cobal	gen nin A jury	2.DRUGS:A 3.Ethanol lg 4. Contrace 5.Haemodi 6. Multiple poiesis and normal ne	spirin, Anti-convulsants gestion ptive Harmones alysis Myeloma uronal function.	





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	Dr. Vinay Ch e MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)
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AGE/ GENDER	: 40 YRS/FEMALE	PAT	IENT ID	: 1696334
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BARCODE NO.	:01522299		LECTION DATE	: 11/Dec/2024 10:18AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 11/Dec/2024 10:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PAT	THOLOGY	
	URINE DO	UTINE & MICROS		ATION
PHYSICAL EXAMI				
QUANTITY RECIEV		10	ml	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		AMBER YELLOW		PALE YELLOW
TRANSPARANCY		CLEAR		CLEAR
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY		<=1.005		1.002 - 1.030
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	. 1.000		
CHEMICAL EXAM	INATION			
REACTION by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
pH by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	6.5		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-ve		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-V	e)	NEGATIVE (-Ve)
MICROSCOPIC EX				
RED BLOOD CELLS	G (RBCs)	NEGATIVE (-ve	e) /HPF	0 - 3



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Test Name	Value	Unit	Biological Reference interval

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT PUS CELLS 1-2 /HPF 0 - 5 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT EPITHELIAL CELLS 2-4 /HPF ABSENT	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	
CRYSTALS NEGATIVE (-ve) NEGATIVE (-ve)	
CASTS NEGATIVE (-ve) NEGATIVE (-ve)	
BACTERIA NEGATIVE (-ve) NEGATIVE (-ve)	
OTHERS NEGATIVE (-ve) NEGATIVE (-ve)	
TRICHOMONAS VAGINALIS (PROTOZOA) ABSENT ABSENT by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT ABSENT	

** End Of Report ***



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