

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
IAME	: Mrs. KAMINI CHADHA			
GE/ GENDER	: 52 YRS/FEMALE		PATIENT ID	: 799777
COLLECTED BY	:		REG. NO./LAB NO.	: 042502240004
REFERRED BY	:		REGISTRATION DATE	: 24/Feb/2025 11:20 AM
BARCODE NO.	: A1260544		COLLECTION DATE	: 24/Feb/2025 04:19PM
LIENT CODE. LIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AMB.	ALA CANTT	REPORTING DATE	: 24/Feb/2025 05:34PM
Fest Name		Value	Unit	Biological Reference interva
	SWAST	HYA WE	LLNESS PANEL: 1.	5
	COMP	LETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI	B)	12.5	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (1	RBC) COUNT	4.53	Millions	/cmm 3.50 - 5.00
	OCUSING, ELECTRICAL IMPEDENCE	39	%	37.0 - 50.0
PACKED CELL VOLU	UTOMATED HEMATOLOGY ANALYZER	39	70	57.0 - 50.0
AEAN CORPUSCULA	AR VOLUME (MCV) utomated hematology analyzer	86.1	fL	80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	27.5	pg	27.0 - 34.0
MEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	32	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	14.7	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	UTION WIDTH (RDW-SD) utomated hematology analyzer	47.5	fL	35.0 - 56.0
MENTZERS INDEX		19.01	RATIO	BETA THALASSEMIA TRAIT
by CALCOLATED				13.0 IRON DEFICIENCY ANEMIA:
		07.04	DATIO	>13.0
GREEN & KING IND by calculated	DEX	27.84	RATIO	BETA THALASSEMIA TRAIT 65.0
				IRON DEFICIENCY ANEMIA:
WHITE BLOOD CEI	LLS (WBCS)			65.0
		6520	/cmm	4000 - 11000
TOTAL LEUCOCYTE				
TOTAL LEUCOCYTE		NITT		0.00 - 20.00
TOTAL LEUCOCYTE by flow cytometry NUCLEATED RED B	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00





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

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

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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. KAMINI CHADHA **AGE/ GENDER** : 52 YRS/FEMALE **PATIENT ID** : 799777 **COLLECTED BY** :042502240004 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 24/Feb/2025 11:20 AM **BARCODE NO. COLLECTION DATE** :24/Feb/202504:19PM :A1260544 CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** : 24/Feb/2025 05:34PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 49^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 7H EOSINOPHILS % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **IMMATURE GRANULOCTE (IG) %** 0 % 0 - 5.0 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 3195 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 800 - 4900 2478 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 456^H 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 391 ABSOLUTE MONOCYTE COUNT /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 0 - 110 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE IMMATURE GRANULOCYTE COUNT 0 /cmm 0.0 - 999.0 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 242000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.4^H PLATELETCRIT (PCT) % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 17^H MEAN PLATELET VOLUME (MPV) fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 173000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 71.5^H % 11.0 - 45.0

PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE



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







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Test Name		Value	Unit	Biological Reference interval
	BUTION WIDTH (PDW)	15.8	%	15.0 - 17.0

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A		IING DATE	. 24/ FED/ 2023 07.30FW
CLIENT ADDRESS	. 0340/ 1, MCHOLSON ROAD, A			
Test Name		Value	Unit	Biological Reference interval
	GLYC	OSYLATED HAEMOG	LOBIN (HBA1C)	
GLYCOSYLATED HAE		OSYLATED HAEMOG	LOBIN (HBA1C) %	4.0 - 6.4
WHOLE BLOOD	MOGLOBIN (HbA1c):			4.0 - 6.4
WHOLE BLOOD	MOGLOBIN (HbA1c):		%	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c):	6		
WHOLE BLOOD by hplc (high perform ESTIMATED AVERAGI	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE	6	%	
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION:	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE	6 125.5 TES ASSOCIATION (ADA):	% mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP	6 125.5 TES ASSOCIATION (ADA):	% mg/dL MOGLOGIB (HBAIC) in	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP etic Adults >= 18 years	6 125.5 TES ASSOCIATION (ADA): GLYCOSYLATED HE	% mg/dL MOGLOGIB (HBAIC) in <5.7	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: REL Non diab At R	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6 125.5 TES ASSOCIATION (ADA): GLYCOSYLATED HE 5	% mg/dL MOGLOGIB (HBAIC) in <5.7 .7 - 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: REL Non diab At R	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP etic Adults >= 18 years	6 125.5 TES ASSOCIATION (ADA): GLYCOSYLATED HE 5	% mg/dL <u>MOGLOGIB (HBAIC) in</u> <5.7 .7 - 6.4 >= 6.5	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: REL Non diab At R	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6 125.5 TES ASSOCIATION (ADA): GLYCOSYLATED HE 5 Age	% mg/dL MOGLOGIB (HBAIC) in <5.7 .7 - 6.4 >= 6.5 > 19 Years	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: REI Non diabi At R Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	6 125.5 TES ASSOCIATION (ADA): GLYCOSYLATED HE 5 Age Goals of Therapy:	% mg/dL <5.7 .7 - 6.4 >= 6.5 > 19 Years < 7.0	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabi At R Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABE FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6 125.5 TES ASSOCIATION (ADA): GLYCOSYLATED HE 5 6 6 6 6 6 6 6 6 7 8 9 6 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 7 7 8 7 8	% mg/dL MOGLOGIB (HBAIC) in <5.7 .7 - 6.4 >= 6.5 > 19 Years	60.00 - 140.00

COMMENTS:

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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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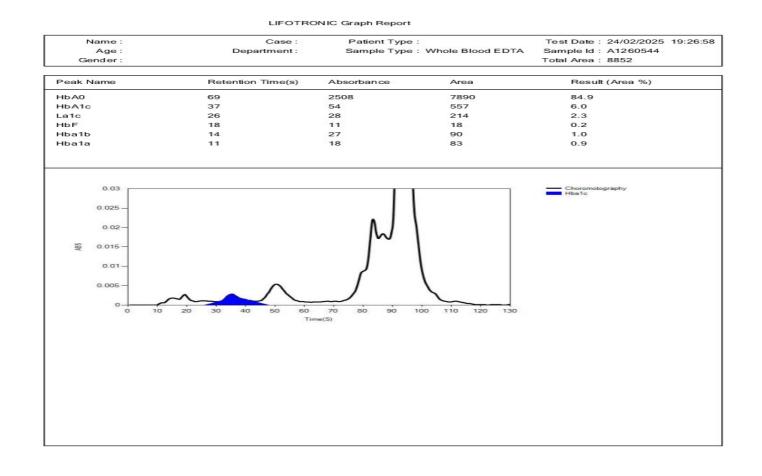
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Test Name		Value Unit	Biological Reference interval







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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SEDIM	ENTATION RATE (1	ESR)
mmune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO	does not tell the health practition cted by other conditions besides in be used to monitor disease activit ematosus W ESR n with conditions that inhibit the	er exactly where t nflammation. For t y and response to	he inflammation is in the this reason, the ESR is typ therapy in both of the a	oicallý used in conjunction with other test such bove diseases as well as some others, such as





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BARCODE NO.	: A1260542	(COLLECTION DATE	: 24/Feb/2025 04:18PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHE	BAD 1	REPORTING DATE	: 24/Feb/2025 05:50PM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMIST	RY/BIOCHEMIST	'RY
		GLUCOSE	FASTING (F)	
	G (F): PLASMA	95.69	mg/dL	NORMAL: < 100.0

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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT	TAL · SERUM	104.53	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		104.00	ing/ dE	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
		00.74		240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	88.74	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI	L (DIRECT): SERUM	32.53	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI			0	BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL	.: SERUM	54.25	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	CTROPHOTOMETRY			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		72	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0
VLDL CHOLESTERC		17.75	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	UM	297.8 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		3.21	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		1.67	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 ECTROPHOTOMETRY	2.73 ^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.

 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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM pectrophotometry	0.58	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CCT (UNCONJUGATED): SERUM	0.42	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		20.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM		14.5	U/L	0.00 - 49.00
AST/ALT RATIO: S		1.44	RATIO	0.00 - 46.00
ALKALINE PHOSPI		77.79	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	35.89	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.05	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.18	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.87	gm/dL	2.30 - 3.50
A : G RATIO: SERUI		1.46	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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

INCREASED:

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





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

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



INTERPRETATION





	Dr. Vinay Chopra MD (Pathology & Microbic Chairman & Consultant Pa		(Pathology)
NAME	: Mrs. KAMINI CHADHA		
AGE/ GENDER	: 52 YRS/FEMALE	PATIENT ID	: 799777
COLLECTED BY	:	REG. NO./LAB NO.	: 042502240004
REFERRED BY	:	REGISTRATION DATE	: 24/Feb/2025 11:20 AM
BARCODE NO.	: A1260543	COLLECTION DATE	: 24/Feb/2025 04:18PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 24/Feb/2025 09:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue Unit	Biological Reference interval

Test Name	Value	Unit	Biological Reference interval

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







00 3001 . 2000 OLAI				
	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	licrobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mrs. KAMINI CHADHA			
AGE/ GENDER	: 52 YRS/FEMALE	PA	TIENT ID	: 799777
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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	RI	EPORTING DATE	: 24/Feb/2025 06:30PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTION	TEST (COMPLETE)	
UREA: SERUM		25.96	mg/dL	10.00 - 50.00
CREATININE: SER	MATE DEHYDROGENASE (GLDH) UM	0.72	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC	CTROPHOTOMETERY			
	ROGEN (BUN): SERUM ECTROPHOTOMETRY	12.13	mg/dL	7.0 - 25.0
BLOOD UREA NITI	ROGEN (BUN)/CREATININE	16.85	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININ		36.06	RATIO	
by CALCULATED, SPI URIC ACID: SERUM	ECTROPHOTOMETRY	4.94	ma/dI	2.50 - 6.80
by URICASE - OXIDAS		4.94	mg/dL	2.30 - 0.80
CALCIUM: SERUM	ECTROPHOTOMETRY	8.91	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI		4.33	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES SODIUM: SERUM		145.4	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	VE ELECTRODE)	143.4	IIIIIOI/ L	155.0 - 150.0
POTASSIUM: SERU		4.21	mmol/L	3.50 - 5.00
CHLORIDE: SERUN		109.05	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV				
	MERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM	IERULAR FILTERATION RATE	100.5		
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.



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

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







		h opra & Microbiology) nsultant Pathologist		m Chopra D (Pathology) nt Pathologist	
NAME	: Mrs. KAMINI CHADHA				
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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Fest Name		Value	Unit	Biological Reference in	terval
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia 	(e.g. ureter colostomy) ass (subnormal creatinine prod tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINII (BUN rises disproportionately superimposed on renal disease 0:1) WITH DECREASED BUN	IE LEVELS: more than creatinine)	(e.g. obstructive urop	athy).	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Perenal azotemia Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. Pregnancy. PECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido cephalosporin ther 	ass (subnormal creatinine prod tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINII (BUN rises disproportionately superimposed on renal disease 0:1) WITH DECREASED BUN : osis. d starvation. e. creased urea synthesis. urea rather than creatinine dif monemias (urea is virtually ab of inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure.	IE LEVELS: more than creatinine) fuses out of extracellu- tent in blood). mone) due to tubular NE: reatine to creatinine). mcrease in creatinine measurement). GFR (mL/i	ular fluid). secretion of urea. with certain methodo min/1.73m2) A	bathy). logies,resulting in normal ratio when de SSOCIATED FINDINGS No proteinuria Presence of Protein ,	shydratic
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL G1 G2	ass (subnormal creatinine prod tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINII (BUN rises disproportionately superimposed on renal disease 0:1) WITH DECREASED BUN : osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine dif monemias (urea is virtually ab of inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false i creased BUN/creatinine ratio). apy (interferes with creatinine ULAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage v normal or high (IE LEVELS: more than creatinine) fuses out of extracellu- tent in blood). mone) due to tubular NE: reatine to creatinine). mcrease in creatinine measurement). GFR (mL/riction	ular fluid). secretion of urea. with certain methodo <u>min/1.73m2) A</u> >90 >90 Al	logies,resulting in normal ratio when de SSOCIATED FINDINGS No proteinuria	ehydratic
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther <u>STIMATED GLOMERU G1 G2 G3a </u>	ass (subnormal creatinine prod tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINII (BUN rises disproportionately superimposed on renal disease 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine dif monemias (urea is virtually ab of inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false creased BUN/creatinine ratio). apy (interferes with creatinine UAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage v normal or high (Mild decrease in	IE LEVELS: more than creatinine) fuses out of extracellu- tent in blood). mone) due to tubular NE: reatine to creatinine). mcrease in creatinine measurement). GFR (mL/i ction FR 6	ular fluid). secretion of urea. with certain methodo <u>min/1.73m2) A</u> >90 >90 Al	logies,resulting in normal ratio when de SSOCIATED FINDINGS No proteinuria Presence of Protein ,	ehydratic
. Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia Perenal azotemia DECREASED RATIO (< . Acute tubular necr . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome of . Pregnancy. DECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin ther STIMATED GLOMERL G1 G2	ass (subnormal creatinine prod tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINII (BUN rises disproportionately superimposed on renal disease 0:1) WITH DECREASED BUN : osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine dif monemias (urea is virtually ab of inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false i creased BUN/creatinine ratio). apy (interferes with creatinine ULAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage v normal or high (IE LEVELS: more than creatinine) fuses out of extracellu- tent in blood). mone) due to tubular NE: reatine to creatinine). mcrease in creatinine measurement). GFR (mL/i Ction ith FR GFR 60 in GFR 3	ular fluid). secretion of urea. with certain methodo <u>min/1.73m2) A</u> >90 >90 Al	logies,resulting in normal ratio when de SSOCIATED FINDINGS No proteinuria Presence of Protein ,	ehydratio





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









CLIENT ADDRESS	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AM	REPORTING DATE IBALA CANTT	. 24/ Feb/ 2025 00.50FM
			. 24/ FeD/ 2023 00.30FM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	. 24/ FeD/ 2023 00.30FM
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REFERRED BY	:	REGISTRATION DATE	: 24/Feb/2025 11:20 AM
COLLECTED BY	:	REG. NO./LAB NO.	: 042502240004
AGE/ GENDER	: 52 YRS/FEMALE	PATIENT ID	: 799777
NAME	: Mrs. KAMINI CHADHA		
	MD (Pathology & M Chairman & Consult	icrobiology) ME	D (Pathology)
	Dr. Vinay Chop	ra Dr. Yugar	m Chopra

COMMENTS:

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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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	I	D r. Vinay Chop MD (Pathology & Mid Chairman & Consulta	crobiology)		Pathology)
NAME	: Mrs. KAMIN	I CHADHA			
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CLIENT ADDRESS	: 6349/1, NICI	HOLSON ROAD, AMI	BALA CANTT		
Test Name			Value	Unit	Biological Reference interval
			IRON	PROFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	,	51.1	μg/dL	37.0 - 145.0
UNSATURATED IR SERUM			231.33	µg/dL	150.0 - 336.0
TOTAL IRON BIND SERUM	ING CAPACITY		282.43	µg/dL	230 - 430
%TRANSFERRIN S. by CALCULATED, SPE	ATURATION: S		18.09	%	15.0 - 50.0
TRANSFERRIN: SE	RUM		200.53	mg/dL	200.0 - 350.0
INTERPRETATION:-					
VARIAB		ANEMIA OF CHRO		IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM II	RON:	Normal to Re	duced	Reduced	Normal

TOTAL IRON BINDING CAPACITY: Normal Decreased Increased % TRANSFERRIN SATURATION: Decreased Decreased < 12-15 % Normal **SERUM FERRITIN:** Normal to Increased Decreased Normal or Increased

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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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



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Ch MD (Pathology & Chairman & Con			m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. KAMINI CHADHA			
AGE/ GENDER	: 52 YRS/FEMALE	P	ATIENT ID	: 799777
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interv
		ENDOCR	INOLOGY	
	ТН	YROID FUNCT	ION TEST: TOTAL	
TRIIODOTHYRONI	NE (T3): SERUM iescent microparticle immunoa	1.102 SSAY)	ng/mL	0.35 - 1.93
THYROXINE (T4): S	SERUM iescent microparticle immunoa	7.43 SSAY)	µgm/d	L 4.87 - 12.60
	TING HORMONE (TSH): SERU		µIU/ml	0.35 - 5.50
3rd GENERATION, ULT <u>INTERPRETATION</u> :	RASENSITIVE			
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations. TS	H stimulates the produ	ction and secretion of the	<i>pm. The variation is of the order of 50%.Hence time o</i> metabolically active hormones, thyroxine (T4)and her underproduction (hypothyroidism) or
CLINICAL CONDITION	ТЗ		T4	TSH
Primary Hypothyroidis	m: Reduced		Reduced	Increased (Significantly)

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

LIMITATIONS:-

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

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

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

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

TRIIODOTH	YRONINE (T3)	THYROXINE (T4)		THYROID 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





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TestNesse	¥7.	T. **	Rt-l-st-lP-f

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	IMENDATIONS OF TSH LE	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.

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)







	Chairman & Const	ultant Patholog	ist CEO & Consultant	Pathologist	
NAME	: Mrs. KAMINI CHADHA				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Т		
Test Name		Value	Unit	Biological Reference interval	
	IMM	UNOPATH	IOLOGY/SEROLOGY	¥	
		C-REACTIV	E PROTEIN (CRP)		
	EIN (CRP) QUANTITATIVE:	9.51 ^H	mg/L	0.0 - 6.0	
C-REACTIVE PROT SERUM by NEPHLOMETRY INTERPRETATION:					

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and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. NOTE:

Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.
 Oral contraceptives may increase CRP levels.





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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist			Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME	: Mrs. KAMINI CH	IADHA				
AGE/ GENDER	: 52 YRS/FEMALE		PAT	IENT ID	: 799777	
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LIENT ADDRESS	: 6349/1, NICHOL	SON ROAD, AMBALA (CANTT			
Test Name		Valu	ue	Unit	Biolo	ogical Reference interval
/ITAMIN D (25-HV	DROXY VITAMIN E			OXY VITAMIN D ng/mL		CIENCY: < 20.0
	ESCENCE IMMUNOASS			0	INSU SUFF	FFICIENCY: 20.0 - 30.0 TCIENCY: 30.0 - 100.0 CITY: > 100.0
	CIENT:	< 20		ng	g/mL	
	FICIENT:	21 - 2		ng/mL		
	ED RANGE: CATION:	30 - 10			g/mL g/mL	_
2.25-OHVitamin D r tissue and tightly boy 3.Vitamin D plays a p bhosphate reabsorpt 4.Severe deficiency r DECREASED: 1.Lack of sunshine ex 2.Inadequate intake, 3.Depressed Hepatic 4.Secondary to advar 5.Osteoporosis and S 6.Enzyme Inducing di INCREASED: 1. Hypervitaminosis I severe hypercalcemia	epresents the main l und by a transport p orimary role in the m ion, skeletal calcium nay lead to failure to posure. malabsorption (celi Vitamin D 25- hydro need Liver disease jecondary Hyperpara rugs: anti-epileptic d D is Rare, and is seen a and hyperphophate	rotein while in circulat naintenance of calcium n deposition, calcium m o mineralize newly forn ac disease) oxylase activity athroidism (Mild to Mo lrugs like phenytoin, ph n only after prolonged e	sport form o ion. homeostati nobilization, ned osteoid derate defic nenobarbital exposure to o	f Vitamin D and trans s. It promotes calciun mainly regulated by p in bone, resulting in r iency) and carbamazepine, extremely high doses	n absorption, rena parathyroid harmo ickets in children that increases Vit of Vitamin D. Wh	and osteomalacia in adults. amin D metabolism. en it occurs, it can result in
hypervitaminosis D						

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: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



Dr. Vinay C MD (Pathology Chairman & Co		· · · · · · · · · · · · · · · · · · ·		g am Chopra MD (Pathology) tant Pathologist			
NAME	: Mrs. KAMINI CHADHA						
AGE/ GENDER	: 52 YRS/FEMALE	РАТ	IENT ID	: 799777			
COLLECTED BY	:	REG	. NO./LAB NO.	: 042502240004			
REFERRED BY	•	REG	ISTRATION DATE	: 24/Feb/2025 11:20 AM			
BARCODE NO.	: A1260543		LECTION DATE	: 24/Feb/2025 04:18PM			
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAI		ORTING DATE	: 24/Feb/2025 06:09PM			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD						
Test Name		Value	Unit	Biological Reference interval			
		VITAMIN B12/C	OBALAMIN				
VITAMIN B12/COE by CMIA (CHEMILUMIN	BALAMIN: SERUM	222	pg/mL	190.0 - 890.0			
NTERPRETATION:-							
	SED VITAMIN B12	1 Drogpopoy	DECREASED VITAMIN B12				
1.Ingestion of Vitan 2.Ingestion of Estro		1.Pregnancy 2.DRUGS:Aspirin, Anti-convulsants, Colchicine					
3.Ingestion of Vitan	0		3.Ethanol Igestion				
4.Hepatocellular in	jury	4. Contracept	4. Contraceptive Harmones				
5.Myeloproliferativ	ve disorder		5.Haemodialysis				
6.Uremia			6. Multiple Myeloma				
2.In humans, it is ob 3.The body uses its v excreted. 4.Vitamin B12 deficié ileal resection, small 5.Vitamin B12 deficié	tained only from animal protein itamin B12 stores very economi ency may be due to lack of IF see I intestinal diseases). ency frequently causes macrocy coordination, and affective bel ts without macrocytic anemia.	ns and requires intrinsic cally, reabsorbing vitan cretion by gastric muco tic anemia, glossitis, pe	factor (IF) for absorp in B12 from the ileum sa (eg, gastrectomy, g ripheral neuropathy, manifestations may c	a and returning it to the liver; very little is astric atrophy) or intestinal malabsorption (eg, weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have			





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

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







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. KAMINI CHADHA			
AGE/ GENDER	: 52 YRS/FEMALE	PA	ATIENT ID	: 799777
COLLECTED BY	:	RI	EG. NO./LAB NO.	: 042502240004
REFERRED BY :		REGISTRATION DATE		: 24/Feb/2025 11:20 AM
BARCODE NO. : A1260545		COLLECTION DATE		: 24/Feb/2025 04:18PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE		: 24/Feb/2025 06:10PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANT I		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	ATHOLOCY	
	URINE ROU		OSCOPIC EXAMINA	ATION
PHYSICAL EXAMIN				
QUANTITY RECIEVI		10	ml	
COLOUR		PALE YELLO	W	PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
<u>CHEMICAL EXAMI</u>	NATION			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		3+		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)	NEGATIVE (-ve)
MICROSCOPIC EXA	MINATION			
RED BLOOD CELLS by MICROSCOPY ON C	(RBCs) ENTRIFUGED URINARY SEDIMENT	12-15	/HPF	0 - 3





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







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

NAME	: Mrs. KAMINI CHADHA		
AGE/ GENDER	: 52 YRS/FEMALE	PATIENT ID	: 799777
COLLECTED BY	:	REG. NO./LAB NO.	: 042502240004
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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 24/Feb/2025 06:10PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval
DUCCELLC	1.0	/UDE	

			0
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT

*** End Of Report ***



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

