

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr			(Pathology)
	Chairman & Consultar	nt Pathologist	CEO & Consultant	Pathologist
NAME	: Mrs. SHIPRA GUPTA			
AGE/ GENDER	: 44 YRS/FEMALE		PATIENT ID	: 1758937
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502160021
REFERRED BY	:		REGISTRATION DATE	: 16/Feb/2025 10:30 AM
BARCODE NO.	: 01525594		COLLECTION DATE	: 16/Feb/2025 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Feb/2025 11:00AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	SWAST	HYA WEI	LLNESS PANEL: 1.5	5
	COMP	PLETE BLO	DOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI		12.2	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (1		4.9	Millions/	/cmm 3.50 - 5.00
by HYDRO DYNAMIC F PACKED CELL VOLU	OCUSING, ELECTRICAL IMPEDENCE	37.9	%	37.0 - 50.0
by CALCULATED BY A MEAN CORPUSCULA	UTOMATED HEMATOLOGY ANALYZER	77.4 ^L	fL	80.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
by CALCULATED BY A	AR HAEMOGLOBIN (MCH)	24.9 ^L	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC)	32.1	g/dL	32.0 - 36.0
	JTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	15.7	%	11.00 - 16.00
	JTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	45.8	fL	35.0 - 56.0
MENTZERS INDEX		15.8	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING IND	EX	24.8	RATIO	BETA THALASSEMIA TRAIT:<=
by CALCOLATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CEI		0700		4000 11000
TOTAL LEUCOCYTE by FLOW CYTOMETRY	COUNT (TLC) BY SF CUBE & MICROSCOPY	8780	/cmm	4000 - 11000
	LOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
JY AUTUNIATED U PAR		NIT	%	10.0/
NUCLEATED RED B	LOOD CELLS (NRBCS) %	NIL	70	< 10 %

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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







Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SHIPRA GUPTA **AGE/ GENDER** : 44 YRS/FEMALE **PATIENT ID** :1758937 **COLLECTED BY** : SURJESH :012502160021 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 16/Feb/2025 10:30 AM : **BARCODE NO.** :01525594 **COLLECTION DATE** :16/Feb/202510:43AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :16/Feb/202511:00AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 57 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 35 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 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 **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 5005 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3073 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 176/cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 527 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE IMMATURE GRANULOCYTE COUNT 0.0 - 999.00 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 269000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.3 PLATELETCRIT (PCT) % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 11 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 95000^H /cmm 30000 - 90000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 35.2 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.1% 15.0 - 17.0

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE



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NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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WHOLE BLOOD	EMOGLOBIN (HbA1c):	6.1	OGLOBIN (HBA1) %	4.0 - 6.4
ESTIMATED AVERA	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	128.37	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFOR INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY)		ing/ uL	00.00 140.00
		ABETES ASSOCIATIO		
INTERPRETATION:	AS PER AMERICAN DI			
INTERPRETATION:	AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years		N (ADA):	
INTERPRETATION:	AS PER AMERICAN DI REFERENCE GROUP		N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4	
INTERPRETATION: Non dia A	AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years		N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5	
INTERPRETATION: Non dia A	AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	GLYCO	N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	(HBAIC) in %
INTERPRETATION: Non dia A D	AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	GLYCO Goals of T	N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years herapy:	(HBAIC) in %
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INTERPRETATION: Non dia A D	AS PER AMERICAN DI REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	GLYCO Goals of T	N (ADA): SYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years herapy: gested: Age < 19 Years	(HBAIC) in %

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COMMENTS:

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

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate.

4.High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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 MBBS, MD (PATHOLOGY)

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test performed at kos diagnostic lab, ambala cantt



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Test Name		Value	Unit	Biological Reference inter	rval
	FDVTUDAA	YTE SEDIMENTA	TION DATE ((FCD)	
by RED CELL AGGRE NTERPRETATION: 1. ESR is a non-specifi mmune disease, but 2. An ESR can be affect as C-reactive protein 3. This test may also condition with LO A low FSR can be see	t does not tell the health practitioner ected by other conditions besides infl be used to monitor disease activity a ematosus W ESR en with conditions that inhibit the no	exactly where the infla ammation. For this reas and response to therapy rmal sedimentation of i	mmation is in the son, the ESR is ty y in both of the a red blood cells, s	tion associated with infection, cancer and e body or what is causing it. pically used in conjunction with other tes above diseases as well as some others, su	st such Ich as
NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dex	e protein (C-RP) are both markers of es not change as rapidly as does CRP, I by as many other factors as is ESR, m red, it is typically a result of two type ave a higher ESR, and menstruation at	inflammation. either at the start of in haking it a better marke s of proteins, globulins nd pregnancy can cause	nflammation or a r of inflammation or fibrinogen. temporary eleva	n.	





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Test Name		Value	Unit	Biological Reference interval
	CLINI		RY/BIOCHEMIST FASTING (F)	'nY
GLUCOSE FASTING	G (F): PLASMA E - PEROXIDASE (GOD-POD)	102.2 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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Test Name		Value	Unit	Biological Reference interval
		LIPID PROF	ILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		236.41 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
FRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM HATE OXIDASE (ENZYMATIC)	134.67	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO	L (DIRECT): SERUM	49.08	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0
LDL CHOLESTERO by CALCULATED, SPE		160.4 ^H	mg/dL	HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLES' by calculated, spe		187.33 ^H	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0
VLDL CHOLESTER		26.93	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SEE by CALCULATED, SPE	RUM	607.49	mg/dL	350.00 - 700.00
CHOLESTEROL/HI	DL RATIO: SERUM	4.82 ^H	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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LDL/HDL RATIO: S by CALCULATED, SPE		3.27 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.74 ^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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			TEST (COMPLETE)	
BILIRUBIN TOTAL		0.41	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM	0.09	mg/dL	0.00 - 0.40
by DIAZO MODIFIED, S	SPECTROPHOTOMETRY		Ū	
	ECT (UNCONJUGATED): SERUM ECTROPHOTOMETRY	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[/RIDOXAL PHOSPHATE	34.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM		29.5	U/L	0.00 - 49.00
AST/ALT RATIO: S		1.17	RATIO	0.00 - 46.00
ALKALINE PHOSPI		70.77	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	19.43	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.2	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.09	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	Λ	3.11	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.32	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:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)





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INTERPRETATION





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DECREASED:

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

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

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



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BARCODE NO.	: 01525594		COLLECTION DATE	: 16/Feb/2025 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 16/Feb/2025 12:19PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNI	EY FUNCTION	N TEST (COMPLETE)	
UREA: SERUM		16.08	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)	0.70	J	
CREATININE: SERI by ENZYMATIC, SPEC		0.72	mg/dL	0.40 - 1.20
BLOOD UREA NITE	ROGEN (BUN): SERUM	7.51	mg/dL	7.0 - 25.0
by CALCULATED, SPE		10.40	DATIO	10.0 00.0
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	10.43	RATIO	10.0 - 20.0
by CALCULATED, SPE				
UREA/CREATININ by CALCULATED, SPE		22.33	RATIO	
URIC ACID: SERUM		3.85	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	SE PEROXIDASE			
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	9.12	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE	ERUM	2.47	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES		1445	1/1	105.0 150.0
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	144.5	mmol/L	135.0 - 150.0
POTASSIUM: SERU	M	4.06	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		108.38	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV		100.30	IIIIIOI/ L	30.0 - 110.0
ESTIMATED GLON	IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	105.7		
(eGFR): SERUM				
INTERPRETATION:				
To differentiate betw	een pre- and post renal azotemia.			

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)

 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





	MD (F	/inay Chopra Pathology & Microbio man & Consultant Pa		Dr. Yugan MD O & Consultan	(Pathology)	
IAME	: Mrs. SHIPRA GUP	ТА				
AGE/ GENDER	: 44 YRS/FEMALE		PATIENT	D	: 1758937	
COLLECTED BY	: SURJESH		REG. NO. /	LAB NO.	:01250216002	1
REFERRED BY			REGISTR	TION DATE	: 16/Feb/2025 10	:30 AM
BARCODE NO.	: 01525594		COLLECTI		: 16/Feb/2025 10	
CLIENT CODE.	: KOS DIAGNOSTIC	[A B	REPORTI		: 16/Feb/2025 12	
CLIENT ADDRESS	: 6349/1, NICHOLS			U DAIL	. 10/ 140/ 2023 12	.1.51 W
Test Name	_	Va	lue	Unit	Biologie	cal Reference interva
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO ((e.g. ureter colostom ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED C (BUN rises dispropor superimposed on rena 0:1) WITH DECREASED	nine production) ticoids) REATININE LEVELS: tionately more thar al disease.	creatinine) (e.g. ob	structive uropa	athy).	
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis (Neregnancy. DECREASED RATIO (< Negnancy. Pregnancy. DECREASED RATIO (Muscular patients Nappropiate RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED ((BUN rises dispropor superimposed on rema 0:1) WITH DECREASED osis. Id starvation. 2: creased urea synthesi urea rather than crea monemias (urea is vir f inappropiate antidiu 0:1) WITH INCREASED py (accelerates conve eleases muscle creatin who develop renal fai sis (acetoacetate caus creased BUN/creatinin apy (interferes with ci ILAR FILTERATION RAT DESO	nine production) ticoids) REATININE LEVELS: tionately more than al disease. BUN : s. tinine diffuses out of tually absent in blo uretic harmone) due CREATININE: rsion of creatine to nine). lure. ses false increase in ne ratio). reatinine measurem E: CRIPTION	of extracellular fluid od). to tubular secretio creatinine). creatinine with cer ent). GFR (mL/min/1.7 >90	I). n of urea. tain methodolo 3m2) AS	ogies,resulting in norr SOCIATED FINDINGS No proteinuria	mal ratio when dehydra
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEphalosporin ther STIMATED GLOMERL CKD STAGE	ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED ((BUN rises dispropor superimposed on rema 0:1) WITH DECREASED osis. Id starvation. 2: creased urea synthesi urea rather than crea monemias (urea is vir f inappropiate antidiu 0:1) WITH INCREASED py (accelerates conve eleases muscle creatin who develop renal fai sis (acetoacetate caus creased BUN/creatinin apy (interferes with ci ULAR FILTERATION RAT DESO	nine production) ticoids) REATININE LEVELS: tionately more than al disease. BUN : S. tinine diffuses out of tually absent in blo uretic harmone) due CREATININE: rsion of creatine to nine). lure. Ses false increase in ne ratio). reatinine measurem E: CRIPTION damage with	of extracellular fluid od). to tubular secretio creatinine). creatinine with cer ent). GFR (mL/min/1.7	I). n of urea. tain methodolo 3m2) AS	ogies,resulting in norr SOCIATED FINDINGS No proteinuria resence of Protein ,	
A. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Prerenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis (NiADH (syndrome of Pregnancy. DECREASED RATIO (< Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE G1 G2	ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED C (BUN rises dispropor superimposed on rema 0:1) WITH DECREASED osis. Id starvation. 2: creased urea synthesi urea rather than crea monemias (urea is vir f inappropiate antidiu 0:1) WITH INCREASED py (accelerates conve eleases muscle creatin who develop renal fai sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RAT DESC Normal ki Kidney o	nine production) ticoids) REATININE LEVELS: tionately more than al disease. BUN : S. tinine diffuses out of tually absent in blo uretic harmone) due CREATININE: rsion of creatine to nine). lure. Ses false increase in ne ratio). reatinine measurem E: CRIPTION damage with or high GFR	of extracellular fluid od). • to tubular secretio creatinine). creatinine with cer ent). <u>GFR (mL/min/1.7 >90 >90</u>	I). n of urea. tain methodolo 3m2) AS	ogies,resulting in norr SOCIATED FINDINGS No proteinuria	
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (< Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI CED STAGE G1 G2 G3a	ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED C (BUN rises dispropor superimposed on rema 0:1) WITH DECREASED osis. Id starvation. 2: creased urea synthesi urea rather than crea monemias (urea is vir f inappropiate antidiu 0:1) WITH INCREASED py (accelerates conve eleases muscle creatin who develop renal fai sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RAT DESC Normal ki Kidney of normal	nine production) ticoids) REATININE LEVELS: tionately more than al disease. BUN : S. tinine diffuses out of tually absent in blo uretic harmone) due CREATININE: rsion of creatine to nine). lure. Ses false increase in the ratio). reatinine measurem E: CRIPTION damage with or high GFR crease in GFR	of extracellular fluid od). to tubular secretio creatinine). creatinine with cer ent). <u>GFR (mL/min/1.7 >90 >90 60 -89</u>	I). n of urea. tain methodolo 3m2) AS	ogies,resulting in norr SOCIATED FINDINGS No proteinuria resence of Protein ,	
B. Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 I. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Severe liver diseas Other causes of de Severe liver diseas Other causes of de Severe liver diseas Pregnancy. DECREASED RATIO (< I. Phenacimide thera Rhabdomyolysis (r S. Muscular patients INAPPROPIATE RATIO Loiabetic ketoacido should produce an in Cephalosporin there SETIMATED GLOMERI G1 G2	ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED C (BUN rises dispropor superimposed on rema 0:1) WITH DECREASED osis. Id starvation. 2: creased urea synthesi urea rather than crea monemias (urea is vir f inappropiate antidiu 0:1) WITH INCREASED py (accelerates conve eleases muscle creatin who develop renal fai sis (acetoacetate caus creased BUN/creatinin apy (interferes with cr LAR FILTERATION RAT DESS Normal ki Kidney o normal Mild dec	nine production) ticoids) REATININE LEVELS: tionately more than al disease. BUN : S. tinine diffuses out of tually absent in blo uretic harmone) due CREATININE: rsion of creatine to nine). lure. Ses false increase in ne ratio). reatinine measurem E: CRIPTION damage with or high GFR	of extracellular fluid od). • to tubular secretio creatinine). creatinine with cer ent). <u>GFR (mL/min/1.7 >90 >90</u>	I). n of urea. tain methodolo 3m2) AS	ogies,resulting in norr SOCIATED FINDINGS No proteinuria resence of Protein ,	





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

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









	Dr. Vinay Chopra MD (Pathology & Microbiolog) Chairman & Consultant Pathol		(Pathology)
NAME	: Mrs. SHIPRA GUPTA		
AGE/ GENDER	: 44 YRS/FEMALE	PATIENT ID	: 1758937
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502160021
REFERRED BY	:	REGISTRATION DATE	: 16/Feb/2025 10:30 AM
BARCODE NO.	: 01525594	COLLECTION DATE	: 16/Feb/2025 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Feb/2025 12:19PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	NTT	
Test Name	Value	Unit	Biological Reference interval

COMMENTS:

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

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

ADVICE:

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



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: IInd 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 Chop MD (Pathology & Mic Chairman & Consult	crobiology)	Dr. Yugam (MD (P CEO & Consultant Pa	athology)
NAME	: Mrs. SHIPRA GUPTA			
AGE/ GENDER	: 44 YRS/FEMALE	PAT	FIENT ID	: 1758937
COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012502160021
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Test Name		Value	Unit	Biological Reference interval
		IRON PR	OFILE	
IRON: SERUM	TROPHOTOMETRY	42.71	μg/dL	37.0 - 145.0
by FERROZINE, SPEC			,	
UNSATURATED IR :SERUM	ON BINDING CAPACITY (UIBC)	313.59	μg/dL	150.0 - 336.0
UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BIND :SERUM	ON BINDING CAPACITY (UIBC) Strophotometery ING CAPACITY (TIBC)	313.59 356.3		150.0 - 336.0 230 - 430
UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BIND :SERUM by SPECTROPHOTOM %TRANSFERRIN S	ON BINDING CAPACITY (UIBC) Strophotometery ING CAPACITY (TIBC)		µg/dL	
UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BIND :SERUM by SPECTROPHOTOM %TRANSFERRIN S	ON BINDING CAPACITY (UIBC) ETROPHOTOMETERY ING CAPACITY (TIBC) METERY ATURATION: SERUM ECTROPHOTOMETERY (FERENE) RUM	356.3	μg/dL μg/dL	230 - 430
UNSATURATED IR :SERUM by FERROZINE, SPEC TOTAL IRON BIND :SERUM by SPECTROPHOTOM %TRANSFERRIN S by CALCULATED, SPE TRANSFERRIN: SE	ON BINDING CAPACITY (UIBC) TROPHOTOMETERY ING CAPACITY (TIBC) METERY ATURATION: SERUM ECTROPHOTOMETERY (FERENE) RUM METERY (FERENE)	356.3 11.99^L 252.97	μg/dL μg/dL %	230 - 430 15.0 - 50.0

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):

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

% TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Ch MD (Pathology & Chairman & Cor	k Microbiology)	M	m Chopra D (Pathology) nt Pathologist	
NAME	: Mrs. SHIPRA GUPTA				
AGE/ GENDER	: 44 YRS/FEMALE		PATIENT ID	: 1758937	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502160021	
REFERRED BY	:		REGISTRATION DATE	: 16/Feb/2025 10:30 AM	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANT	Г		
Test Name		Value	Unit	Biological Refere	ence interval
	TH		C RINOLOGY CTION TEST: TOTAI		
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNOA	0.533 SSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): S	SERUM iescent microparticle immunoa	5.54 SSAY)	µgm/d	L 4.87 - 12.60	
	ATING HORMONE (TSH): SERV		µIU/m	L 0.35 - 5.50	
3rd GENERATION, ULT INTERPRETATION:	RASENSITIVE				
TSH levels are subject to a day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations. T	SH stimulates the p	roduction and secretion of the	pm. The variation is of the order of 509 metabolically active hormones, thyrox her underproduction (hypothyroidism	(ine (T4)and
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis		Nerral	Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or Low	normai	Normal or Low Normal	High	

HIM	ΙΙΤΔΤ	IONIS	-

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

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





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

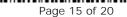
DR.YUGAM CHOPRA

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

Reduced (at times undetectable)

Reduced









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mrs. SHIPRA GUPTA		
AGE/ GENDER	: 44 YRS/FEMALE	PATIENT ID	: 1758937
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502160021
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Test Name	Value	Unit	Biological Reference interval

1 est Name			value	Uni		Biological Reference Interval
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECON	IMENDATIONS OF TSH LI	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)





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHIPRA GUPTA			
AGE/ GENDER	: 44 YRS/FEMALE	PA	FIENT ID	: 1758937
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012502160021
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		VITAM	IINS	
	VIT	TAMIN D/25 HYDI	ROXY VITAMIN D	3
by CLIA (CHEMILUMIN	DROXY VITAMIN D3): SERU escence immunoassay)	M 23.859^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>INTERPRETATION:</u>	CIENT:	< 20	n	g/mL
	FICIENT:	21 - 29		g/mL
	ED RANGE:	30 - 100 > 100		j/mL j/mL
2.25-OHVitamin D r	und by a transport protein wh	voir and transport form ile in circulation. e of calcium homeostat	of Vitamin D and trans	port form of Vitamin D, being stored in adipose

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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







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AGE/ GENDER	: 44 YRS/FEMALE	PATI	ENT ID	: 1758937
COLLECTED BY	: SURJESH		NO./LAB NO.	: 012502160021
REFERRED BY				
	:		STRATION DATE	: 16/Feb/2025 10:30 AM
BARCODE NO.	: 01525594		ECTION DATE	: 16/Feb/2025 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 16/Feb/2025 12:50PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
	ALAMIN: SERUM ESCENT MICROPARTICLE IMMUNOAS	Value VITAMIN B12/CO 237.96 SAY)	Unit DBALAMIN pg/mL	Biological Reference interv 190.0 - 830
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOAS	VITAMIN B12/C 237.96	D BALAMIN pg/mL	190.0 - 830
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	ESCENT MICROPARTICLE IMMUNOAS	VITAMIN B12/C 237.96 SAY)	DBALAMIN	190.0 - 830
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOAS ED VITAMIN B12 iin C	VITAMIN B12/CO 237.96 SAY) 1.Pregnancy	D BALAMIN pg/mL	190.0 - 830
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estroy 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOAS ED VITAMIN B12 iin C jen in A	VITAMIN B12/CO 237.96 SAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges	DBALAMIN pg/mL DECREASED VITAMIN in, Anti-convulsants, tion	190.0 - 830
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam 4.Hepatocellular in	ESCENT MICROPARTICLE IMMUNOAS ED VITAMIN B12 iin C gen iin A ury	VITAMIN B12/CO 237.96 SAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contracepti	DBALAMIN pg/mL DECREASED VITAMIN in, Anti-convulsants, tion /e Harmones	190.0 - 830
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estroy 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOAS ED VITAMIN B12 iin C gen iin A ury	VITAMIN B12/CO 237.96 SAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges	DBALAMIN pg/mL DECREASED VITAMIN in, Anti-convulsants, tion ye Harmones sis	190.0 - 830

7.Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. NOTE: A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.





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: IInd 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 Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME : Mrs. SHIP	RA GUPTA				
AGE/ GENDER : 44 YRS/FE	MALE	PATIENT	ID	: 1758937	
COLLECTED BY : SURJESH		REG. NO./	LAB NO.	: 012502160021	
REFERRED BY :			ATION DATE	: 16/Feb/2025 10:30 AM	
BARCODE NO. : 01525594 CLIENT CODE. : KOS DIAG	NOSTIC LAB		ION DATE	: 16/Feb/2025 10:43AM	
	ICHOLSON ROAD, AMBALA	REPORTING DATE : 16/Feb/2025 11:14AM AMBALA CANTT : 16/Feb/2025 11:14AM			
Test Name	Va	lue	Unit	Biological Reference interval	
	CLIN	IICAL PATHO	LOGY		
	URINE ROUTINE	& MICROSCOI	PIC EXAMINA	ATION	
PHYSICAL EXAMINATION					
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		C	ml		
		MBER YELLOW		PALE YELLOW	
		LEAR		CLEAR	
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		01		1.002 - 1.030	
CHEMICAL EXAMINATION					
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILLIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		CIDIC			
		egative		NEGATIVE (-ve)	
		egative		NEGATIVE (-ve)	
		Saure			
				5.0 - 7.5	
		egative		NEGATIVE (-ve)	
NITRITE	N	egative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY MICROSCOPIC EXAMINATION		ormal	EU/dL	0.2 - 1.0	
		egative		NEGATIVE (-ve)	
		egative		NEGATIVE (-ve)	
		EGATIVE (-ve)		NEGATIVE (-ve)	
RED BLOOD CELLS (RBCs)		EGATIVE (-ve)	/HPF	0 - 3	



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

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

 www.koshealthcare.com

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

NAME	: Mrs. SHIPRA GUPTA				
AGE/ GENDER	: 44 YRS/FEMALE		PATIENT ID	: 1758937	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA CANT	Т		
Test Name		Value	Unit	Biological Reference interval	
by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT				
PUS CELLS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5	
		0.4	/IIDE	ADCENT	

EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4	/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)

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

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