

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mrs. NIVEDITA BHARDAAJ			
AGE/ GENDER	: 46 YRS/FEMALE		PATIENT ID	: 1777999
COLLECTED BY	:		REG. NO./LAB NO.	: 012503040036
REFERRED BY	:		REGISTRATION DATE	: 04/Mar/2025 12:37 PM
BARCODE NO.	: 01526449		COLLECTION DATE	:04/Mar/2025 12:38PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 04/Mar/2025 12:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CWACT		LLNESS PANEL: 1.5	-
				3
DED BLOOD CELL	COMP <u>5 (RBCS) COUNT AND INDICES</u>	LEIEDLU	OOD COUNT (CBC)	
HAEMOGLOBIN (H		12	gm/dL	12.0 - 16.0
by CALORIMETRIC			C C	
RED BLOOD CELL (RBC) COUNT	4.01	Millions/	/cmm 3.50 - 5.00
PACKED CELL VOLU		37.3	%	37.0 - 50.0
MEAN CORPUSCUL		93.2	fL	80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	30.1	pg	27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.3	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	13.5	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	47.5	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		23.24	RATIO	BETA THALASSEMIA TRAIT: 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INE		31.56	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: : 65.0
WHITE BLOOD CE		5050		4000 11000
TOTAL LEUCOCYTE	E COUNT (TLC) (by sf cube & microscopy	5650	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED B	BLOOD CELLS (nRBCS) %	NIL	%	< 10 %





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

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









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

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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	44 ^L	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	47 ^H	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
IMMATURE GRANULOCTE (IG) % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 5.0
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2486	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2656	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	170	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	339	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
ABSOLUTE IMMATURE GRANULOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	175000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.28	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	16 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	116000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	66.4 ^H	%	11.0 - 45.0



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Test Name	Value	Unit	Biological Reference interval	
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	16.4	%	15.0 - 17.0	
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD)			



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	ORTING DATE	: 04/Mar/2025 03:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			
Test Name		Value	Unit	Biological Reference interval
	GLYCOS	YLATED HAEMO)GLOBIN (HBA1C)
WHOLE BLOOD	EMOGLOBIN (HbA1c):	5.6	%	4.0 - 6.4
	GE PLASMA GLUCOSE rmance liquid chromatography)	114.02	mg/dL	60.00 - 140.00
	AS PER AMERICAN DI	ABETES ASSOCIATION	(ADA):	
	REFERENCE GROUP		LATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years		<5.7	
	t Risk (Prediabetes)		5.7 – 6.4	
D	iagnosing Diabetes		>= 6.5	
		Age > 19 Years Goals of Therapy:		< 7.0
		Actions Suggested:		
Therapeut	ic goals for glycemic control			>8.0
Therapeut	ic goals for glycemic control			>8.0

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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IENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
by RED CELL AGGREG TERPRETATION: ESR is a non-specif mune disease, but An ESR can be affe C-reactive protein This test may also stemic lupus erythy DNDITION WITH LO ow ESR can be see blycythaemia), sigr sickle cells in sickl DTE: ESR and C - reactive Generally, ESR doe CRP is not affected If the ESR is elevat Women tend to ha Drugs such as dext	does not tell the health practition cted by other conditions besides be used to monitor disease activitien w ESR n with conditions that inhibit the hificantly high white blood cell co e cell anaemia) also lower the ES e protein (C-RP) are both markers es not change as rapidly as does C by as many other factors as is ESI ed, it is typically a result of two typical we a higher ESR, and menstruatio	t often indicates the ner exactly where the inflammation. For th ity and response to th normal sedimentation unt (leucocytosis), a SR. s of inflammation. RP, either at the star R, making it a better r ypes of proteins, glob n and pregnancy can	e inflammation is in the is reason, the ESR is ty herapy in both of the a on of red blood cells, s nd some protein abno t of inflammation or a narker of inflammatior ulins or fibrinogen. cause temporary eleva	tion associated with infection, cancer and auto e body or what is causing it. pically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count formalities. Some changes in red cell shape (suc s it resolves. n .





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		hopra & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY	//BIOCHEMIST	'RY
		GLUCOSE FAS	STING (F)	
		die cool in		

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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	152.16	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX				BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: S		193.35 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	PHATE 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	44.81	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
by SELECTIVE INTIBITI				60.0
				HIGH HDL: $> OR = 60.0$
.DL CHOLESTEROI by CALCULATED, SPE		68.68	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SPE	CIROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0
NON HDL CHOLEST	FROL: SFRUM	107.35	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0
by CALCULATED, SPE		101.00	ing/ ull	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: > OR = 220.0
LDL CHOLESTERC		38.67	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SER		497.67	mg/dL	350.00 - 700.00
by CALCULATED, SPE	CTROPHOTOMETRY			
CHOLESTEROL/HD by CALCULATED, SPE		3.4	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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist CEO & Consultant Pathologist : Mrs. NIVEDITA BHARDAAJ **AGE/ GENDER** : 46 YRS/FEMALE **PATIENT ID** :1777999 **COLLECTED BY** :012503040036 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :04/Mar/2025 12:37 PM **BARCODE NO.** :01526449 **COLLECTION DATE** :04/Mar/2025 12:38PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :04/Mar/2025 01:37PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
LDL/HDL RATIO: SERUM by Calculated, spectrophotometry	1.53	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	4.31	RATIO	3.00 - 5.00

INTERPRETATION:

NAME

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

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Test Name	Value	Unit	Biological Reference interval
LIVER	FUNCTION TES	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.29	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.09	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.2	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	47.02 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	56.3 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.84	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	81.1	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	22.74	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.96	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.43	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.53	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.75	RATIO	1.00 - 2.00

INTERPRETATION

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

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

INCREASED:

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





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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).

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





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

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KIDNI	EY FUNCTION TH	EST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)	23	mg/dL	10.00 - 50.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY	0.95	mg/dL	0.40 - 1.20
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY	10.75	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	11.32	RATIO	10.0 - 20.0
UREA/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	24.21	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE	3.84	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY	9.96	mg/dL	8.50 - 10.60
PHOSPHOROUS: SERUM by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY	2.26 ^L	mg/dL	2.30 - 4.70
ELECTROLYTES			
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	141.25	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	4.62	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)	105.94	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR FILTERATION RATE			

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.

4. High protein intake.

5. Impaired renal function plus

6. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet,



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			biology)	Yugam Chopra MD (Pathology) nsultant Pathologist	
IAME	: Mrs. NIVED	TA BHARDAAJ			
GE/ GENDER	: 46 YRS/FEM	ALE	PATIENT ID	: 1777999	
OLLECTED BY			REG. NO./LAB NO.		9.0
	:				
EFERRED BY	:		REGISTRATION D	ATE : 04/Mar/2025	12:37 PM
ARCODE NO.	:01526449		COLLECTION DAT	E : 04/Mar/2025	12:38PM
LIENT CODE.	: KOS DIAGNO	STIC LAB	REPORTING DAT	E : 04/Mar/2025	01:37PM
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMBAL	A CANTT		
Fest Name		V	/alue Un	it Biolog	gical Reference interval
NCREASED RĂTIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	a (BUN rises disp superimposed c	TED CREATININE LEVELS roportionately more that on renal disease.	: an creatinine) (e.g. obstructive	e uropathy).	
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 8. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido 5. Nould produce an in 2. Cephalosporin the 5. STIMATED GLOMERI 1. Diabetic Mathematical 3. Cephalosporin the	0:1) WITH ELEV/ a (BUN rises disp superimposed of cosis. and starvation. creased urea sy urea rather tha monemias (urea of inappropiate a cosis) WITH INCR py (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr apy (interferes	accoorticoids) ATED CREATININE LEVELS roportionately more that on renal disease. EASED BUN : In creatinine diffuses out a is virtually absent in bl antidiuretic harmone) du EASED CREATININE: conversion of creatine to creatinine). nal failure. e causes false increase in eatinine ratio). with creatinine measure N RATE:	an creatinine) (e.g. obstructive t of extracellular fluid). ood). Je to tubular secretion of urea o creatinine). In creatinine with certain met ment).	hodologies,resulting in no	
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ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients JAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin the STIMATED GLOMERI CKD STAGE G1 G2	0:1) WITH ELEV/ a (BUN rises disp superimposed of io:1) WITH DECR osis. and starvation. e. creased urea sy furea rather tha monemias (urea of inappropiate a of inappropiate a of inappropiate a sis (acetoacetat creased BUN/cr apy (interferes JLAR FILTERATIO	Area Creatinine diffuses out an renal disease. EASED BUN : In creatinine diffuses out a is virtually absent in bl antidiuretic harmone) du EASED CREATININE: conversion of creatine to creatinine). nal failure. e causes false increase in eatinine ratio). with creatinine measure N RATE: DESCRIPTION mal kidney function dney damage with	an creatinine) (e.g. obstructive t of extracellular fluid). ood). ue to tubular secretion of urea o creatinine). in creatinine with certain met ment). GFR (mL/min/1.73m2) >90 >90	n. hodologies,resulting in no ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	5
VCREASED RĂTIO (>2 Postrenal azotemia Prerenal azotemia VECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. VECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients VAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2 G3a	0:1) WITH ELEV/ a (BUN rises disp superimposed of superimposed of osis. ad starvation. acreased urea sy urea rather tha monemias (urea of inappropiate a af inappropiate a af inappropiate a ad starvation. by (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes y ULAR FILTERATIO) by (accelerates eleased BUN/cr apy (interferes y ULAR FILTERATIO) by (accelerates eleased BUN/cr apy (interferes y ULAR FILTERATIO) by (accelerates eleased BUN/cr apy (interferes y ULAR FILTERATIO)	Ared CREATININE LEVELS roportionately more that on renal disease. EASED BUN : In creatinine diffuses out a is virtually absent in bl antidiuretic harmone) du EASED CREATININE: conversion of creatine to creatinine). nal failure. e causes false increase if eatinine ratio). with creatinine measure N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR ild decrease in GFR	an creatinine) (e.g. obstructive t of extracellular fluid). ood). ue to tubular secretion of urea o creatinine). in creatinine with certain met ment). GFR (mL/min/1.73m2) >90 >90 60 -89	n. hodologies,resulting in no ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	5





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







	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	ology) MD	n Chopra 9 (Pathology) t Pathologist
NAME	: Mrs. NIVEDITA BHARDAAJ		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1777999
COLLECTED BY	:	REG. NO./LAB NO.	: 012503040036
REFERRED BY	:	REGISTRATION DATE	: 04/Mar/2025 12:37 PM
BARCODE NO.	:01526449	COLLECTION DATE	:04/Mar/2025 12:38PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 04/Mar/2025 01:37PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue 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

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



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

MBBS, MD (PATHOLOGY)







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

NAME	: Mrs. NIVEDITA BHARDAAJ		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1777999
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval

Test Name	Value	Unit	Biological Reference interv
	IRON PRO	DFILE	
IRON: SERUM by FERROZINE, SPECTROPHOTOMETRY	48.8	μg/dL	37.0 - 145.0
UNSATURATED IRON BINDING CAPACITY (UIBC) SERUM by FERROZINE, SPECTROPHOTOMETERY	276.8	µg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) SERUM by SPECTROPHOTOMETERY	325.6	µg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by Calculated, spectrophotometery (ferene)	14.99 ^L	%	15.0 - 50.0
ΓRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)	231.18	mg/dL	200.0 - 350.0
VARIABLES ANEMIA OF CHROI	NIC DISEASE IRC	ON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT

VARIABLES ANEMIA OF CHRONIC DISEASE		IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT	
SERUM IRON:	Normal to Reduced	Reduced	Normal	
TOTAL IRON BINDING CAPACITY:	N BINDING CAPACITY: Decreased		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.





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

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







	М	r . Vinay Chopra D (Pathology & Microbiolo nairman & Consultant Path	ygy)	Dr. Yugam MD (& Consultant	(Pathology)
NAME	: Mrs. NIVEDIT	A BHARDAAJ			
AGE/ GENDER	: 46 YRS/FEMAI	.E	PATIENT ID		: 1777999
COLLECTED BY	:		REG. NO./LA	B NO.	: 012503040036
REFERRED BY	:		REGISTRAT	ION DATE	: 04/Mar/2025 12:37 PM
BARCODE NO.	:01526449		COLLECTION	N DATE	:04/Mar/2025 12:38PM
CLIENT CODE.	: KOS DIAGNOS	TIC LAB	REPORTING	DATE	: 04/Mar/2025 02:35PM
CLIENT ADDRESS	: 6349/1, NICH	DLSON ROAD, AMBALA C	ANTT		
Test Name		Valu	e	Unit	Biological Reference interval
		ENI	OCRINOLOG	Y	
			UNCTION TEST		
TRIIODOTHYRONIN by CMIA (CHEMILUMIN		1.00 TICLE IMMUNOASSAY))8	ng/mL	0.35 - 1.93
THYROXINE (T4): S by CMIA (CHEMILUMIN		7.48 TICLE IMMUNOASSAY)	3	µgm/dL	4.87 - 12.60
THYROID STIMULA			98	µIU/mL	0.35 - 5.50
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI		TICLE IMMUNOASSAY)			
INTERPRETATION:					
day has influence on the r	<i>neasured serum TSH</i> o ure at any level of re	<i>concentrations</i> . TSH stimulates gulation of the hypothalamic-r	the production and sec	retion of the me	n. The variation is of the order of 50%.Hence time of the etabolically active hormones, thyroxine (T4)and r underproduction (hypothyroidism) or
CLINICAL CONDITION		T3	T4		TSH

CLINICAL CONDITION	Т3	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 STIMULATING 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	





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

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





CLIENT ADDRESS



	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Pathology)
NAME	: Mrs. NIVEDITA BHARDAAJ		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1777999
COLLECTED BY	:	REG. NO./LAB NO.	: 012503040036
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:04/Mar/202502:35PM

Test Name Value Unit **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 4.87 - 12.60 > 20 years (Adults) 0.35 - 1.93 > 20 Years (Adults) > 20 Years (Adults) 0.35-5.50 RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (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.

: 6349/1, NICHOLSON ROAD, AMBALA CANTT

3. Hashimotos thyroiditis

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

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

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4.Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

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

8. Pregnancy: 1st and 2nd Trimester





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Path	ay Chopra ology & Microbiology) & Consultant Pathologist		(Pathology)
IAME GE/ GENDER COLLECTED BY REFERRED BY GARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. NIVEDITA BHAH : 46 YRS/FEMALE : : : 01526449 : KOS DIAGNOSTIC LAE : 6349/1, NICHOLSON I		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1777999 : 012503040036 : 04/Mar/2025 12:37 PM : 04/Mar/2025 12:38PM : 04/Mar/2025 02:35PM
Fest Name		Value	Unit	Biological Reference interval
TTAMIN D (23-HTL	ROXY VITAMIN D3): S	ERUM 14.4 ^L	ng/mL	DEFICIENCY: < 20.0
by CLIA (CHEMILUMINE	OROXY VITAMIN D3): S SCENCE IMMUNOASSAY)	ERUM 14.4^L	ing/ int.	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMINE) ITERPRETATION:	SCENCE IMMUNOASSAŸ)			INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMINE	SCENCE IMMUNOASSAY)	20 21 - 29	n	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0
by CLIA (CHEMILUMINE) <u>NTERPRETATION:</u> DEFIC INSUFFI PREFFEREI INTOXIC	IENT: ICIENT: D RANGE: CATION:	< 20 21 - 29 30 - 100 > 100	n 	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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







	Dr. Vinay Cl MD (Pathology & Chairman & Cor		M	m Chopra D (Pathology) nt Pathologist	
: Mrs.]	NIVEDITA BHARDAAJ	ſ			
ENDER : 46 YR	S/FEMALE		PATIENT ID	: 1777999	
TED BY :			REG. NO./LAB NO.	: 012503040036	
RED BY :					
		REGISTRATION DATE			
DE NO. : 01526			COLLECTION DATE	:04/Mar/2025 12:38PM	
	DIAGNOSTIC LAB		REPORTING DATE	: 04/Mar/2025 02:35PM	
ADDRESS : 6349/	/1, NICHOLSON ROAD,	, AMBALA CANTT			
ame		Value	Unit	Biological Reference interval	
		VITAMIN B1	2/COBALAMIN		
IN B12/COBALAMIN A (CHEMILUMINESCENT N RETATION:-	I: SERUM MICROPARTICLE IMMUNOA	142 ^L	pg/mL	190.0 - 890.0	
INCREASED VITAN	AIN B12		DECREASED VITAN	1IN B12	
stion of Vitamin C		1.Pregna			
stion of Estrogen			S:Aspirin, Anti-convulsar	ts, Colchicine	
stion of Vitamin A		3.Ethanol Igestion			
atocellular injury		4. Contraceptive Harmones			
loproliferative disorde nia			5.Haemodialysis 6. Multiple Myeloma		
nans, it is obtained on ody uses its vitamin B1 d. in B12 deficiency may section, small intestina in B12 deficiency freque ception, poor coordina rologic defects withour o methylmalonic acid a v-up testing for antibo normal serum concen- icy at the cellular level	2 stores very economic be due to lack of IF sec al diseases). uently causes macrocy ition, and affective ber t macrocytic anemia. nd homocysteine level dies to intrinsic factor tration of vitamin B12 of	as and requires inti- cally, reabsorbing cretion by gastric n tic anemia, glossit navioral changes. T Is are also elevated (IF) is recommend does not rule out t If clinical symptom	rinsic factor (IF) for absc vitamin B12 from the ile nucosa (eg, gastrectomy is, peripheral neuropath "hese manifestations ma d in vitamin B12 deficien ed to identify this poten issue deficiency of vitam	um and returning it to the liver; very little is , gastric atrophy) or intestinal malabsorption (eg y, weakness, hyperreflexia, ataxia, loss of y occur in any combination; many patients have	
rologic defects without n methylmalonic acid a v-up testing for antibo normal serum concent cy at the cellular level	t macrocytic anemia. nd homocysteine level dies to intrinsic factor tration of vitamin B12 (is the assay for MMA.	ls are also elevated (IF) is recommend does not rule out t If clinical symptom	d in vitamin B12 deficien ed to identify this poten issue deficiency of vitam	cy states. tial cause of vitamin B12 malabsor in B12. The most sensitive test for	





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





Dr. Vinay Chopra



Dr. Yugam Chopra

	MD (Pathology & Chairman & Cons				
NAME	: Mrs. NIVEDITA BHARDAAJ				
AGE/ GENDER	: 46 YRS/FEMALE	PATIE	INT ID	: 1777999	
COLLECTED BY	:	REG. NO./LAB NO. REGISTRATION DATE		: 012503040036	
REFERRED BY	:			: 04/Mar/2025 12:37 PM	
BARCODE NO.	:01526449	COLLE	ECTION DATE	:04/Mar/2025 12:38PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 04/Mar/2025 01:34PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATI	HOLOGY		
	URINE ROI	UTINE & MICROSC	COPIC EXAMINA	ATION	
PHYSICAL EXAMI	NATION				
QUANTITY RECIEV	ED STANCE SPECTROPHOTOMETRY	10	ml		
COLOUR		AMBER YELLOW	V	PALE YELLOW	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		CLEAR		CLEAR	
SPECIFIC GRAVITY		1.01		1.002 - 1.030	
CHEMICAL EXAM	INATION				
REACTION	TANCE SPECTROPHOTOMETRY	ALKALINE			
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
SUGAR	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH	CTANCE SPECTROPHOTOMETRY	7.5		5.0 - 7.5	
BILIRUBIN	CTANCE SPECTROPHOTOMETRY	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	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
ASCORBIC ACID by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)	
MICROSCOPIC EX RED BLOOD CELLS		NEGATIVE (-ve)	/HPF	0 - 3	



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







Dr. Yugam Chopra MD (Pathology) <u>CE</u>O & Consultant Pathologist

NAME	: Mrs. NIVEDITA BHARDAAJ		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1777999
COLLECTED BY	:	REG. NO./LAB NO.	: 012503040036
REFERRED BY	:	REGISTRATION DATE	: 04/Mar/2025 12:37 PM
BARCODE NO.	: 01526449	COLLECTION DATE	:04/Mar/2025 12:38PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 04/Mar/2025 01:34PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	ſ	
Test Name	Value	Unit	Biological Reference interval
by MICROSCOPY ON (CENTRIEUGED URINARY SEDIMENT		

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EPITHELIAL CELLS	2-4	/HPF	ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4		ADSENT
CRYSTALS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
CASTS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			

** End Of Report ***





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