

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam (MD (F CEO & Consultant P	Pathology)
NAME	: Mrs. SHEETAL BINDRA			
AGE/ GENDER	: 49 YRS/FEMALE	PAT	IENT ID	: 1668042
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	: 012411110053
REFERRED BY	:	REG	ISTRATION DATE	: 11/Nov/2024 12:08 PM
BARCODE NO.	: 01520581	COL	LECTION DATE	: 11/Nov/2024 12:25PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 11/Nov/2024 01:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	HYA WELLN	ESS PANEL: 1.5	
	COMP	PLETE BLOOD	COUNT (CBC)	
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES		(,	
HAEMOGLOBIN (H		7.1 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL ((DDC) COUNT		Millions/c	mm 3.50 - 5.00
	(RDC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.55 ^H	WIIIIONS/ C	11111 3.50 - 5.00
PACKED CELL VOL	UME (PCV) AUTOMATED HEMATOLOGY ANALYZER	27.3 ^L	%	37.0 - 50.0
MEAN CORPUSCUL	AR VOLUME (MCV)	49.2 ^L	fL	80.0 - 100.0
	AUTOMATED HEMATOLOGY ANALYZER .AR HAEMOGLOBIN (MCH)	12.8 ^L	pg	27.0 - 34.0
	AUTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)		g/dL	32.0 - 36.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	26.1 ^L	C	
	UTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	21.3 ^H	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	38.8	fL	35.0 - 56.0
MENTZERS INDEX	AUTOMATED HEMATOLOGY ANALYZER	8.86	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI	DEX	18.89	RATIO	BETA THALASSEMIA TRAIT:<=
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CE				
FOTAL LEUCOCYTI by FLOW CYTOMETR	E COUNT (TLC) y by sf cube & microscopy	11220 ^H	/cmm	4000 - 11000
NUCLEATED RED E	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
-	RT HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL	%	< 10 %
	AUTOMATED HEMATOLOGY ANALYZER	INTE	/0	× 10 /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. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SHEETAL BINDRA AGE/ GENDER : 49 YRS/FEMALE **PATIENT ID** :1668042 **COLLECTED BY** : SURJESH REG. NO./LAB NO. :012411110053 **REFERRED BY REGISTRATION DATE** : 11/Nov/2024 12:08 PM : **BARCODE NO.** :01520581 **COLLECTION DATE** :11/Nov/2024 12:25PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :11/Nov/2024 01:08PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 58 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 19^L % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 18^H % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 6508 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2132 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 2020^H /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 561 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 528000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

0.53^H

168000^H

10

31.8

14.9^L

Dr. Vinay Chopra

PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

,	n				
6	she	sk	re	2V	
1	L	1	-	-	•

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%

fL

%

%

/cmm

0.10 - 0.36

6.50 - 12.0

11.0 - 45.0

15.0 - 17.0

30000 - 90000







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Test Name	Va	alue Unit	Biological Reference interval





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Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD	GLYCOS EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY)	SYLATED HAE 9.1 ^H	MOGLOBIN (HBA1) %	4 .0 - 6.4
	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	214.47 ^H	mg/dL	60.00 - 140.00
	AS PER AMERICAN D	IABETES ASSOCIATI	ION (ADA):	
	REFERENCE GROUP	GLYC	OSYLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years	/	<5.7	
	t Risk (Prediabetes)		5.7 – 6.4	
D	iagnosing Diabetes		>= 6.5	
			Age > 19 YearsTherapy:	< 7.0
Therapeut	ic goals for glycemic control	Actions S	uggested:	>8.0
			Age < 19 Years	
1		Goal of		<7.5

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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 appropiate.

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

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

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



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Test Name		Value	Unit	Biological Reference interval
	FRYTHR	OCYTE SEDIMI	NTATION RATE (1	ESR)
	DIMENTATION RATE (ESR)	37 ^H	mm/1st	
(polycythaemia), sign as sickle cells in sickle NOTE: 1. ESR and C - reactive 2. Generally, ESR doe: 3. CRP is not affected 4. If the ESR is elevate	V ESR h with conditions that inhibit the ificantly high white blood cell cc e cell anaemia) also lower the E e protein (C-RP) are both markers s not change as rapidly as does C by as many other factors as is ES ed, it is typically a result of two t ve a higher ESR, and menstruatio	ount (leucocytosis), SR. SR of inflammation. CRP, either at the sta R, making it a better ypes of proteins, glc n and pregnancy car	and some protein abno rt of inflammation or as marker of inflammatior bulins or fibrinogen. a cause temporary eleva	I.
Drugs such as dexti	d quinine may decrease it	tives, peniciliarinine	procainamide, theophyl	line, and vitamin A can increase ESR, while





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Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTRY GLUCOSE FAS		RY
GLUCOSE FASTING by GLUCOSE OXIDAS	(F): PLASMA E - PEROXIDASE (GOD-POD)	259.19 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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

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



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Test Name		Value	Unit	Biological Reference interval
	G	LUCOSE POST	PRANDIAL (PP)	
	ANDIAL (PP): PLASMA E - PEROXIDASE (GOD-POD)	271.85 ^H	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0

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INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A post-prandial plasma glucose level below 140 mg/dl is considered normal. 2. A post-prandial glucose level between 140 - 200 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 post-prandial plasma glucose level of above 200 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOTA	AL · SFRUM	123.91	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXID		120.01	ilig/ uL	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: SEI		277.37 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSPH	ATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROL by SELECTIVE INHIBITIO		32.1	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
				60.0
		00.04	/ 17	HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL: by CALCULATED, SPEC		36.34	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
-				BORDERLINE HIGH: 130.0 -
				159.0 HIGH: 160.0 - 189.0
				VERY HIGH: > OR = 190.0
NON HDL CHOLESTE		91.81	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPEC	IROPHOIOMEIRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
LDL CHOLESTEROL	.: SERUM	55.47 ^H	mg/dL	VERY HIGH: > 0R = 220.0 0.00 - 45.00
by CALCULATED, SPEC	TROPHOTOMETRY			
FOTAL LIPIDS: SERU by CALCULATED, SPEC		525.19	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL	RATIO: SERUM	3.86	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPEC	TROPHOTOMETRY			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		1.13	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		8.64 ^H	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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	LIVER	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SE	ESERUM PECTROPHOTOMETRY	0.86	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.21	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.65	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	13.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	14.5	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.95	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	102.87	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	17.05	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.54	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.23	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	1	3.31	gm/dL	2.30 - 3.50
by CALCULATED, SPE A : G RATIO: SERUN		1.28	RATIO	1.00 - 2.00
		1.00	INTITO .	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)





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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).

GOOD PROGNOSTIC SIGN 0.3 - 0.6	
POOR PROGNOSTIC SIGN 1.2 - 1.6	



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. SHEETAL BINDRA			
AGE/ GENDER	: 49 YRS/FEMALE	P	ATIENT ID	: 1668042
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	:012411110053
REFERRED BY	:	R	EGISTRATION DATE	: 11/Nov/2024 12:08 PM
BARCODE NO.	: 01520581	C	OLLECTION DATE	: 11/Nov/2024 12:25PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 11/Nov/2024 02:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTION	TEST (COMPLETE)	
UREA: SERUM		20.06	mg/dL	10.00 - 50.00
	MATE DEHYDROGENASE (GLDH)	0.01	. / 11	0.40 1.00
CREATININE: SERU by ENZYMATIC, SPEC		0.81	mg/dL	0.40 - 1.20
-	ROGEN (BUN): SERUM	9.37	mg/dL	7.0 - 25.0
•	ROGEN (BUN)/CREATININE	11.57	RATIO	10.0 - 20.0
RATIO: SERUM		11.07	101110	10.0 20.0
by CALCULATED, SPE		04 77	DATIO	
UREA/CREATININ by CALCULATED, SPE		24.77	RATIO	
URIC ACID: SERUM		2.53	mg/dL	2.50 - 6.80
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.92	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	CTROPHOTOMETRY	5.52	IIIg/ uL	8.30 - 10.00
PHOSPHOROUS: SE		4.21	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		140.2	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	(E ELECTRODE)	140.2	IIIIIOI/ L	100.0 100.0
POTASSIUM: SERU		4.03	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		105.15	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	(E ELECTRODE)	100110		
	IERULAR FILTERATION RATE			
(eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	88.9		
INTERPRETATION:	oon pro, and post ronal azotomia			

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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







	M	r. Vinay Chopra D (Pathology & Micro airman & Consultant	biology)	MD	n Chopra (Pathology) : Pathologist	
IAME	: Mrs. SHEETAL	BINDRA				
GE/ GENDER	: 49 YRS/FEMAL	E	PATIENT ID		: 1668042	
OLLECTED BY	: SURJESH		REG. NO./LAH	B NO.	:012411110053	
EFERRED BY			REGISTRATIO		: 11/Nov/2024 12:0	18 PM
ARCODE NO.	: 01520581		COLLECTION		: 11/Nov/2024 12:0	
	: KOS DIAGNOST					
LIENT CODE.			REPORTING I	DATE	: 11/Nov/2024 02:2	23PM
LIENT ADDRESS	: 6349/1, NICHU	LSON ROAD, AMBA	LA CANTT			
'est Name			Value	Unit	Biological	l Reference interval
9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	tetracycline, gluco (0:1) WITH ELEVATE (BUN rises disprop superimposed on r	D CREATININE LEVEL portionately more th renal disease.	S: an creatinine) (e.g. obstru	ictive uropa	thy).	
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 Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL G1 G2	tetracycline, gluco to:1) WITH ELEVATE (BUN rises disproj superimposed on ri- to:1) WITH DECREA osis. ad starvation. e. creased urea synth urea rather than c monemias (urea is of inappropiate ant to:1) WITH INCREAS py (accelerates cor eleases muscle cre who develop renal : sis (acetoacetate c creased BUN/creat apy (interferes wit <u>JLAR FILTERATION F</u> <u>Norma</u> Kidn norr	corticoids) D CREATININE LEVEL portionately more the renal disease. SED BUN : reatinine diffuses out virtually absent in be idiuretic harmone) de SED CREATININE: nversion of creatine failure. auses false increase inine ratio). h creatinine measure CATE: DESCRIPTION al kidney function ey damage with nal or high GFR	an creatinine) (e.g. obstru t of extracellular fluid). lood). ue to tubular secretion of to creatinine). in creatinine with certain ement). GFR (mL/min/1.73m2 >90 >90	urea. methodolo		al ratio when dehydrati
. Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI CKD STAGE G1	tetracycline, gluco io:1) WITH ELEVATE a (BUN rises disprop superimposed on ri- io:1) WITH DECREA osis. ad starvation. e. creased urea synth urea rather than c monemias (urea is of inappropiate ant io:1) WITH INCREAS py (accelerates cor- eleases muscle cre who develop renal : sis (acetoacetate cor- creased BUN/creat apy (interferes with <u>JLAR FILTERATION F</u> <u>Norma</u> Kidn norr	corticoids) D CREATININE LEVEL portionately more the renal disease. SED BUN : reatinine diffuses out virtually absent in be idiuretic harmone) de SED CREATININE: nversion of creatine free atinine). failure. auses false increase inine ratio). h creatinine measure CATE: DESCRIPTION at kidney function ey damage with	an creatinine) (e.g. obstru t of extracellular fluid). lood). ue to tubular secretion of to creatinine). in creatinine with certain ement). GFR (mL/min/1.73m2 >90	urea. methodolo	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydrati
Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERI G1 G2 G3a	tetracycline, gluco to:1) WITH ELEVATE (BUN rises disproprisuperimposed on rises disproprises disproprises disproprises and starvation. E. Creased urea synthese are synthe	corticoids) D CREATININE LEVEL portionately more the renal disease. SED BUN : reatinine diffuses out virtually absent in be idiuretic harmone) de SED CREATININE: nversion of creatine freatine freatine. failure. auses false increase inine ratio). h creatinine measures XATE: VESCRIPTION al kidney function ey damage with nal or high GFR decrease in GFR	an creatinine) (e.g. obstru t of extracellular fluid). lood). ue to tubular secretion of to creatinine). in creatinine with certain ement). GFR (mL/min/1.73m2 >90 >90 60 -89	urea. methodolo	ogies,resulting in norma SOCIATED FINDINGS No proteinuria resence of Protein ,	al ratio when dehydrati



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



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Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	SALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Nov/2024 02:23PM
BARCODE NO.	: 01520581	COLLECTION DATE	: 11/Nov/2024 12:25PM
REFERRED BY	:	REGISTRATION DATE	: 11/Nov/2024 12:08 PM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	:012411110053
AGE/ GENDER	: 49 YRS/FEMALE	PATIENT ID	: 1668042
NAME	: Mrs. SHEETAL BINDRA		
	Chairman & Consulta		
	Dr. Vinay Chopr MD (Pathology & Mici		m Chopra D (Pathology)

COMMENTS:

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

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

ADVICE:

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



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MBBS, MD (PATHOLOGY)







	I	Dr. Vinay Chopr MD (Pathology & Mice Chairman & Consultar	robiology)		Pathology)
NAME	: Mrs. SHEETA	AL BINDRA			
AGE/ GENDER	: 49 YRS/FEMA	ALE .		PATIENT ID	: 1668042
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	: 012411110053
REFERRED BY	:			REGISTRATION DATE	: 11/Nov/2024 12:08 PM
BARCODE NO.	:01520581			COLLECTION DATE	: 11/Nov/2024 12:25PM
CLIENT CODE.	: KOS DIAGNO	STIC LAB		REPORTING DATE	: 11/Nov/2024 05:15PM
CLIENT ADDRESS	: 6349/1, NICI	HOLSON ROAD, AMB	ALA CANTT		
Test Name			Value	Unit	Biological Reference interval
			IRON	PROFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY		24.6 ^L	μg/dL	37.0 - 145.0
UNSATURATED IR :SERUM	ON BINDING CA	APACITY (UIBC)	341.07 ^H	μg/dL	150.0 - 336.0
by FERROZINE, SPEC	TROPHOTOMETER	Y			
TOTAL IRON BIND	ING CAPACITY	(TIBC)	365.67	μg/dL	230 - 430
:SERUM by SPECTROPHOTON	IFTERY				
%TRANSFERRIN S by CALCULATED, SPE	ATURATION: S		6.73 ^L	%	15.0 - 50.0
TRANSFERRIN: SE			259.63	mg/dL	200.0 - 350.0
by SPECTROPHOTOM INTERPRETATION:-	IETERY (FERENE)				
VARIAE	RI FS	ANEMIA OF CHRON	IIC DISFASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM I		Normal to Rec		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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	MD (Patho	y Chopra ogy & Microbiology) & Consultant Pathologi		gam Chopra MD (Pathology) ıltant Pathologist	
NAME	: Mrs. SHEETAL BINDR	A			
AGE/ GENDER	: 49 YRS/FEMALE		PATIENT ID	: 1668042	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:012411110053	
REFERRED BY	:		REGISTRATION DAT	FE : 11/Nov/2024 12:08 PM	
BARCODE NO.	: 01520581		COLLECTION DATE	: 11/Nov/2024 12:25PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Nov/2024 02:23PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON R	OAD, AMBALA CANT'	Г		
Test Name		Value	Unit	Biological Refere	ence interval
			CRINOLOGY		
		THYROID FUN	CTION TEST: TOT	AL	
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMM	0.847 UNOASSAY)	ng/1	mL 0.35 - 1.93	
THYROXINE (T4): S	SERUM IESCENT MICROPARTICLE IMM	11.06 UNOASSAY)	μgm	/dL 4.87 - 12.60	
THYROID STIMULA	TING HORMONE (TSH):	SERUM 4.652	μIU,	/mL 0.35 - 5.50	
3rd GENERATION, ULT INTERPRETATION:		,			
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrati	<i>ons</i> . TSH stimulates the p	roduction and secretion of	5-10 pm. The variation is of the order of 50% the metabolically active hormones, thyrox n either underproduction (hypothyroidism)	ine (T4)and
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis		uced	Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal	or Low Normal	Normal or Low Normal	High	

LIMI	TAT	IONS	÷

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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

Increased

Normal or High Normal

Reduced (at times undetectable)

Reduced

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

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

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

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

Increased

Normal or High Normal





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	Dr. Vinay Chopra MD (Pathology & Microbiology Chairman & Consultant Pathol		(Pathology)
NAME	: Mrs. SHEETAL BINDRA		
AGE/ GENDER	: 49 YRS/FEMALE	PATIENT ID	: 1668042
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411110053
REFERRED BY	:	REGISTRATION DATE	: 11/Nov/2024 12:08 PM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	NTT	
Test Name	Value	Unit	Biological Reference interval

Fest 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	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECO	MMENDATIONS OF TSH L	EVELS DURING PRE	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

INCREASED TSH LEVELS:

1. Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis

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

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

DECREASED TSH LEVELS:

1. Toxic multi-nodular goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

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

8. Pregnancy: 1st and 2nd Trimester





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Path	nay Chopra nology & Microbiology) n & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHEETAL BIND	RA		
AGE/ GENDER	: 49 YRS/FEMALE	PAT	IENT ID	: 1668042
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	:012411110053
REFERRED BY		REG	ISTRATION DATE	: 11/Nov/2024 12:08 PM
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CLIENT CODE.	: KOS DIAGNOSTIC LA		ORTING DATE	: 11/Nov/2024 05:15PM
CLIENT ADDRESS		ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		VITAM	INS	
		VITAMIN D/25 HYDR	OXY VITAMIN D	3
	DROXY VITAMIN D3): ESCENCE IMMUNOASSAY)	SERUM 49.9	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
				TOXICITY: > 100.0
	CIENT:	< 20	n	
DEFI INSUF	CIENT: FICIENT:	< 20 21 - 29		j/mL
INSUF PREFFERI INTOXI 1.Vitamin D compou	FICIENT: ED RANGE: ICATION: nds are derived from diet	21 - 29 30 - 100 > 100	n n s, Vitamin D2), or cho	g/mL

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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







		Chopra ry & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
IAME	: Mrs. SHEETAL BINDRA			
AGE/ GENDER	: 49 YRS/FEMALE	PATIE	NT ID	: 1668042
OLLECTED BY	: SURJESH	REG. N	O./LAB NO.	: 012411110053
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name VITAMIN B12/COB		Value VITAMIN B12/CO > 2000 ^H	Unit BALAMIN pg/mL	Biological Reference interva 190.0 - 890.0
VITAMIN B12/COB by CMIA (CHEMILUMIN NTERPRETATION:-	ESCENT MICROPARTICLE IMMUN	VITAMIN B12/CO > 2000 ^H	BALAMIN pg/mL	190.0 - 890.0
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	ESCENT MICROPARTICLE IMMUN	VITAMIN B12/CO POASSAY) > 2000 ^H	BALAMIN	190.0 - 890.0
VITAMIN B12/COB by CMIA (CHEMILUMIN <u>INTERPRETATION:-</u> INCREAS 1.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUN ED VITAMIN B12 hin C	VITAMIN B12/CO > 2000 ^H	BALAMIN pg/mL ECREASED VITAMIN	190.0 - 890.0
VITAMIN B12/COB by CMIA (CHEMILUMIN <u>NTERPRETATION:-</u> INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog	ESCENT MICROPARTICLE IMMUN ED VITAMIN B12 nin C gen	VITAMIN B12/CO > 2000 ^H (OASSAY)	BALAMIN pg/mL ECREASED VITAMIN	190.0 - 890.0
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUN ED VITAMIN B12 nin C gen in A	VITAMIN B12/CO > 2000 ^H (OASSAY) 2.DRUGS:Aspiri 3.Ethanol Igesti	BALAMIN pg/mL ECREASED VITAMIN h, Anti-convulsants	190.0 - 890.0
VITAMIN B12/COB by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog	ESCENT MICROPARTICLE IMMUN ED VITAMIN B12 nin C gen in A jury	VITAMIN B12/CO > 2000 ^H (OASSAY)	BALAMIN pg/mL ECREASED VITAMIN h, Anti-convulsants on Harmones	190.0 - 890.0

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states.

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.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





ME	: Vinay Chopra 9 (Pathology & Microbiology) airman & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME : Mrs. SHEETAL	BINDRA		
AGE/ GENDER : 49 YRS/FEMALI	E PATIEN	NT ID	: 1668042
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REFERRED BY :	REGIST	RATION DATE	: 11/Nov/2024 12:08 PM
BARCODE NO. : 01520581	COLLEG	CTION DATE	: 11/Nov/2024 12:25PM
CLIENT CODE. : KOS DIAGNOST		TING DATE	: 11/Nov/2024 04:40PM
CLIENT ADDRESS : 6349/1, NICHO	LSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval
	CLINICAL PATH	OLOGY	
	URINE ROUTINE & MICROSC	OPIC EXAMINA	ATION
PHYSICAL EXAMINATION			
QUANTITY RECIEVED	10	ml	
by DIP STICK/REFLECTANCE SPECTROPHC	TOMETRY AMBER YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHO	TOMETRY		
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHO	HAZY		CLEAR
SPECIFIC GRAVITY	1.01		1.002 - 1.030
by DIP STICK/REFLECTANCE SPECTROPHC	DTOMETRY		
<u>CHEMICAL EXAMINATION</u> REACTION	ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHO			
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHO	Negative		NEGATIVE (-ve)
SUGAR	2+		NEGATIVE (-ve)
<i>by DIP STICK/REFLECTANCE SPECTROPH</i> pH	otometry <=5.0		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHO			
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHO	Negative		NEGATIVE (-ve)
NITRITE	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHC		EU/dL	0.2 - 1.0
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHO	Normal	EU/ UL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHO	Negative		NEGATIVE (-ve)
BLOOD	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHC	TOMETRY		
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHO	NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EXAMINATION			
RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/HPF	0 - 3



DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) 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. SHEETAL BINDRA			
AGE/ GENDER	: 49 YRS/FEMALE	PATIENT 1	ID	: 1668042
COLLECTED BY	: SURJESH	REG. NO. /]	LAB NO.	: 012411110053
REFERRED BY	:	REGISTRA	TION DATE	: 11/Nov/2024 12:08 PM
BARCODE NO.	: 01520581	COLLECTI	ON DATE	: 11/Nov/2024 12:25PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	NG DATE	: 11/Nov/2024 04:40PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
PUS CELLS	CENTRIFUGED URINARY SEDIMENT	Value 1-3	Unit /HPF	Biological Reference interval 0 - 5
PUS CELLS by MICROSCOPY ON C EPITHELIAL CELLS				

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

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***



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