



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		gam Chopra MD (Pathology) ultant Pathologist	
NAME	: Mrs. RACHNA KOCHHAR				
AGE/ GENDER	: 43 YRS/FEMALE		PATIENT ID	: 1543007	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:012407090019	
REFERRED BY	:		REGISTRATION DAT	TE : 09/Jul/2024 08:58 AM	
BARCODE NO.	: 01512791		COLLECTION DATE	: 09/Jul/2024 09:36AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Jul/2024 10:20AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	SALA CANT	Т		
Test Name		Value	Unit	Biological Reference	e interval
	SWAS	THYA W	ELLNESS PANEL: "	1.5	
	CON	/IPLETE B	LOOD COUNT (CBC)		
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB)		11.5 ^L	gm/d	dL 12.0 - 16.0	
RED BLOOD CELL (RE	BC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	4.49	Millio	ons/cmm 3.50 - 5.00	
PACKED CELL VOLUN		36 ^L	%	37.0 - 50.0	
MEAN CORPUSCULA	R VOLUME (MCV)	80	fL	80.0 - 100.0	
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER	25.6 ^L	pg	27.0 - 34.0	
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC)	32	g/dL	32.0 - 36.0	
RED CELL DISTRIBUT	automated hematology analyzer TON WIDTH (RDW-CV)	15.1	%	11.00 - 16.00	
RED CELL DISTRIBUT	UTOMATED HEMATOLOGY ANALYZER ION WIDTH (RDW-SD)	45.1	fL	35.0 - 56.0	
by CALCULATED BY A MENTZERS INDEX by CALCULATED	NUTOMATED HEMATOLOGY ANALYZER	17.82	RATI	O BETA THALASSEMIA IRON DEFICIENCY A	
GREEN & KING INDE	X	26.89	RATI	O BETA THALASSEMIA	
by CALCULATED				65.0 IRON DEFICIENCY A	NEMIA: > 65.0
WHITE BLOOD CELLS	<u>s (WBCS)</u>				
	OUNT (TLC) y by sf cube & microscopy	6780	/cmr	m 4000 - 11000	
NUCLEATED RED BLO		NIL		0.00 - 20.00	
NUCLEATED RED BLC	DOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %	



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.







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

NAME	: Mrs. RACHNA KOCHHAR		
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Test Name	Value	Unit	Biological Reference interval

	Falao	onit	
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	59	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	35	%	20 - 40
EOSINOPHILS by flow cytometry by SF cube & microscopy	1	%	1-6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT	0	%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	4000	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2373	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	68	/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
PLATELETS AND OTHER PLATELET PREDICTIVE MARKE	<u>.KS.</u>		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	297000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.31	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	10	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	82000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	27.5	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	15.8	%	15.0 - 17.0





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			/
Test Name	Value	Unit	Biological Reference interval



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Test Name		Value	Unit	Biological Reference interval
	G	LYCOSYLATED HAEMOGL	OBIN (HBA1C)	
		5.5	01	
		5.5	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I	ANCE LIQUID CHROMATOGRAPHY)	5.5	% mg/dL	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)			
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION:	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	111.15	mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION: RE	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA	111.15 BETES ASSOCIATION (ADA): GLYCOSYLATED HEM	mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP	111.15 BETES ASSOCIATION (ADA): GLYCOSYLATED HEN	mg/dL 10GLOGIB (HBAIC) ii	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At I	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP Metic Adults >= 18 years	111.15 BETES ASSOCIATION (ADA): GLYCOSYLATED HEN 5.	mg/dL IOGLOGIB (HBAIC) i <5.7	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At I	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	111.15 BETES ASSOCIATION (ADA): GLYCOSYLATED HEN 5. >	mg/dL /OGLOGIB (HBAIC) i i <5.7 7 – 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE I by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At 1 Dia	MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP Metic Adults >= 18 years Risk (Prediabetes)	111.15 BETES ASSOCIATION (ADA): GLYCOSYLATED HEN 5. >	mg/dL MOGLOGIB (HBAIC) in <5.7 7 – 6.4 = 6.5	60.00 - 140.00

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

Goal of therapy:

Age < 19 Years

<7.5

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

significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate. 4.High

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

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

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





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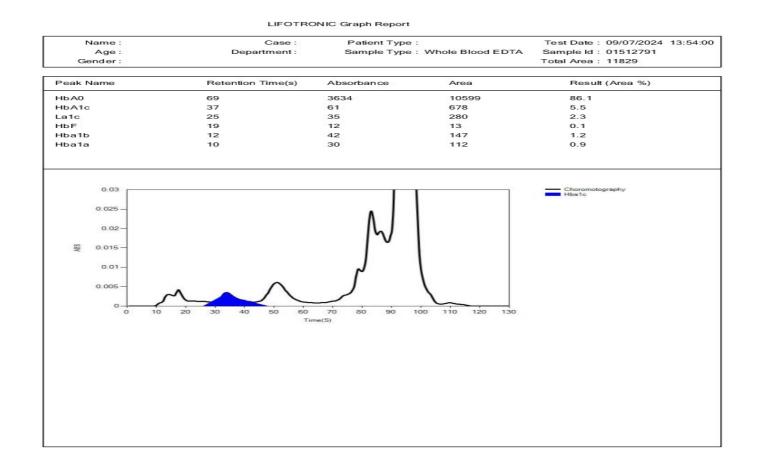


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	Dr. Vinay Cho MD (Pathology & Chairman & Const	Microbiology)	am Chopra 1D (Pathology) ant Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMEN	TATION RATE (ES	R)
by MODIFIED WESTER NTERPRETATION: . ESR is a non-specif mmune disease, but	does not tell the health practitio	ner exactly where the i	nflammation is in the	ion associated with infection, cancer and auto-
s C-reactive protein . This test may also ystemic lupus erythe ONDITION WITH LOV low ESR can be see polycythaemia), sigr	be used to monitor disease activient ematosus W ESR n with conditions that inhibit the	ity and response to the e normal sedimentation ount (leucocytosis) , and	rapy in both of the a of red blood cells, s	bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such
NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevate	e cell anaerina) also lower the ca e protein (C-RP) are both markers is not change as rapidly as does C by as many other factors as is ESI ed, it is typically a result of two t ve a bidber ESP, and menstruatio	s of inflammation. CRP, either at the start (R, making it a better ma ypes of proteins, globu	arker of inflammation lins or fibrinogen.	n.

 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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CLIENT ADDRESS	: 6349/1, NICHOLSON RC)AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	с	LINICAL CHEMIS	STRY/BIOCHEMISTR	Y
		GLUCOSE	E FASTING (F)	
GLUCOSE FASTING (I by glucose oxidas	F): PLASMA e - peroxidase (god-pod)	89.96	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.
 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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		nsultant Pathologist	CEO & Consultant	Pathologist
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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OXI		267.48 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SERU	JM jate oxidase (enzymatic)	120.94	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (E by SELECTIVE INHIBITIC		46.32	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: Si by CALCULATED, SPEC		196.97 ^H	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTER by CALCULATED, SPEC		221.16 ^H	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: S		24.19	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN	1	655.9	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL R by CALCULATED, SPEC	ATIO: SERUM	5.77 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SERI by Calculated, spec		4.25 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.61 ^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.

3. 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. 4. 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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LIV	ER FUNCTION T	TEST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.49	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.34	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	12.2	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	1.48	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	73.5	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	13.12	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.81	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.78	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.03	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.25	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





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

NAME

Test Name

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 Ch MD (Pathology & Chairman & Con		Dr. Yugan MD CEO & Consultant	(Pathology)	
NAME	: Mrs. RACHNA KOCHHAR				
AGE/ GENDER	: 43 YRS/FEMALE	PA	TIENT ID	: 1543007	
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	:012407090019	
REFERRED BY	:	RE	GISTRATION DATE	: 09/Jul/2024 08:58	8 AM
BARCODE NO.	:01512791	CO	LLECTION DATE	: 09/Jul/2024 09:36	BAM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 09/Jul/2024 11:34	4AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological	Reference interval
HEPATOCELLULAR C/	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)	

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

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CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 09/Jul/2024 11:34AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIE	ONEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		27.89	mg/dL	10.00 - 50.00
by UREASE - GLUTAM CREATININE: SERUN by ENZYMATIC, SPEC		1.14	mg/dL	0.40 - 1.20
BLOOD UREA NITRO by CALCULATED, SPE		13.03	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	11.43	RATIO	10.0 - 20.0
UREA/CREATININE R	ATIO: SERUM	24.46	RATIO	
URIC ACID: SERUM by URICASE - OXIDAS	E PEROXIDASE	3.79	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	10.41	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER		3.4	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	E ELECTRODE)	143.6	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIV		4.02	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV		107.7	mmol/L	90.0 - 110.0
ESTIMATED GLOME	RULAR FILTERATION RATE	61.3		

(eGFR): SERUM

by CALCULATED **INTERPRETATION:**

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholo		Yugam Chopra MD (Pathology) nsultant Pathologist	
NAME	: Mrs. RACHNA KOCHHAR			
AGE/ GENDER	: 43 YRS/FEMALE	PATIENT ID	: 1543007	
COLLECTED BY	: SURJESH	REG. NO./LAB NO.		0010
	· SOMEST			
REFERRED BY	:	REGISTRATION D		
BARCODE NO.	: 01512791	COLLECTION DAT		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DAT	E : 09/Jul/2024	4 11:34AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value Un	it Bio	logical Reference interval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE LI (BUN rises disproportionately mor superimposed on renal disease	EVELS:	e uropathy).	
 Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE 	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 10:1) WITH ELEVATED CREATININE LI a (BUN rises disproportionately mol superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor 10:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). rapy (interferes with creatinine meat JLAR FILTERATION RATE: DESCRIPTION	EVELS: The than creatinine) (e.g. obstructive es out of extracellular fluid). in blood). The) due to tubular secretion of urea time to creatinine). Ease in creatinine with certain met asurement). GFR (mL/min/1.73m2)	a. thodologies,resulting ir ASSOCIATED FINDII	NGS
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia Perenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1 	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE LI a (BUN rises disproportionately mol superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor (0:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine meat JLAR FILTERATION RATE: <u>DESCRIPTION</u> Normal kidney functio	EVELS: The than creatinine) (e.g. obstructive es out of extracellular fluid). in blood). ne) due to tubular secretion of urea tine to creatinine). ease in creatinine with certain met asurement). GFR (mL/min/1.73m2) n >90	a. thodologies,resulting ir ASSOCIATED FINDII No proteinuria	NGS
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Diherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (b:1) WITH ELEVATED CREATININE LI a (BUN rises disproportionately more superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. furea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor (0:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine meat LAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with	EVELS: The than creatinine) (e.g. obstructive es out of extracellular fluid). in blood). The) due to tubular secretion of urea time to creatinine). Ease in creatinine with certain met asurement). GFR (mL/min/1.73m2)	a. thodologies,resulting ir ASSOCIATED FINDII No proteinuria Presence of Protei	NGS
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Diherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	(e.g. ureter colostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) (0:1) WITH ELEVATED CREATININE LI a (BUN rises disproportionately mol superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. ad starvation. e. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor (0:1) WITH INCREASED CREATININE: py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false increat creased BUN/creatinine ratio). apy (interferes with creatinine meat JLAR FILTERATION RATE: <u>DESCRIPTION</u> Normal kidney functio	EVELS: The than creatinine) (e.g. obstructive es out of extracellular fluid). in blood). he) due to tubular secretion of urea tine to creatinine). ease in creatinine with certain met asurement). GFR (mL/min/1.73m2) n >90 >90 60 -89	a. thodologies,resulting ir ASSOCIATED FINDII No proteinuria	NGS
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	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant Pa	ology) MD	n Chopra 9 (Pathology) t Pathologist
NAME	: Mrs. RACHNA KOCHHAR		
AGE/ GENDER	: 43 YRS/FEMALE	PATIENT ID	: 1543007
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407090019
REFERRED BY	:	REGISTRATION DATE	: 09/Jul/2024 08:58 AM
BARCODE NO.	: 01512791	COLLECTION DATE	: 09/Jul/2024 09:36AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Jul/2024 11:34AM
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

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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CLIENT ADDRESS	: 6349/1, NICH	HOLSON ROAD, AMBALA CAN	JTT	
Test Name		Value	Unit	Biological Reference interval
		IR	ON PROFILE	
IRON: SERUM by ferrozine, spec	TROPHOTOMETRY	59.21	μg/dL	37.0 - 145.0
UNSATURATED IROI SERUM by FERROZINE, SPEC			ρ μg/dL	150.0 - 336.0
TOTAL IRON BINDIN SERUM	IG CAPACITY (TIE		μg/dL	230 - 430
%TRANSFERRIN SAT	URATION: SERU		%	15.0 - 50.0
TRANSFERRIN: SERI	UM	170.6	L mg/dL	200.0 - 350.0
INTERPRETATION:- VARIAE	BLFS	ANEMIA OF CHRONIC DISEA	SE IRON DEFICIENCY ANEMI	A THALASSEMIA $α/β$ TRAIT
SERUM I		Normal to Reduced	Reduced	Normal

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:	% TRANSFERRIN SATURATION: Decreased		Normal	
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased	
IDUN:				

IRON

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1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes. 2. 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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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Jul/2024 12:46PM
Test Name			Unit	Biological Reference interval
		IYROID FUN	ICTION TEST: TOTAL	
	E (T3): SERUM IESCENT MICROPARTICLE IMMUNOASS.	0.693	ng/mL	0.35 - 1.93
THYROXINE (T4): SE		7.35	μgm/dL	4.87 - 12.60
by CMIA (CHEMILUMIN 3rd GENERATION, ULT <u>INTERPRETATION:</u> TSH levels are subject to day has influence on the trilodothyronine (T3).Fai	circadian variation, reaching peak levels be	e <i>tween 2-4 a.m a</i> stimulates the p	roduction and secretion of the m	0.35 - 5.50 <i>m. The variation is of the order of 50%.Hence time of th</i> etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or

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

3. Serum T4 levles 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 hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTH	(RONINE (T3)	THYROXINE (T4)		THYROID STIMUL	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





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Test Name			Value	Unit		Biological Reference interval
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECOM	MENDATIONS OF TSH LE	EVELS DURING PREG	VANCY (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, idonie 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 goitre & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4.Secondary pituatary or hypothalmic 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.



		ogy & Microbiology) Consultant Patholog		D (Pathology) nt Pathologist
NAME	: Mrs. RACHNA KOCHHA	AR		
AGE/ GENDER	: 43 YRS/FEMALE		PATIENT ID	: 1543007
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407090019
REFERRED BY	:		REGISTRATION DATE	: 09/Jul/2024 08:58 AM
BARCODE NO.	:01512791		COLLECTION DATE	: 09/Jul/2024 09:36AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:09/Jul/2024 12:46PM
CLIENT ADDRESS	: 6349/1, NICHOLSON R	DAD, AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
		VI.	TAMINS	
			HYDROXY VITAMIN D3	
/ITAMIN D (25-HYD	ROXY VITAMIN D3): SERUI	M 33.9	ng/mL	DEFICIENCY: < 20.0
by CLIA (CHEMILUMIN	ESCENCE IMMUNOASSAY)		G	INSUFFICIENCY: 20.0 - 30.0
				SUFFICIENCY: 30.0 - 100.0
				TOXICITY: > 100.0
<u>Interpretation:</u> Defi	CIENT:	< 20		ng/mL
INSUF	FICIENT:	21 - 29		ng/mL
	ED RANGE:	30 - 100 > 100		ng/mLng/mL
conversion of 7- dihy 2.25-OHVitamin D r issue and tightly boi 3.Vitamin D plays a r ohosphate reabsorpt 4.Severe deficiency r DECREASED: 1.Lack of sunshine ex	drocholecalciferol to Vitam epresents the main body re und by a transport protein to primary role in the mainten, ion, skeletal calcium depos nay lead to failure to miner	in D3 in the skin upo sevoir and transport while in circulation. ance of calcium home ition, calcium mobiliz alize newly formed o ase)	n Ultraviolet exposure. form of Vitamin D and trar eostatis. It promotes calciu zation, mainly regulated by steoid in bone, resulting in	nolecalciferol (from animals, Vitamin D3), or by hsport form of Vitamin D, being stored in adipor um absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. e, that increases Vitamin D metabolism.





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

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Page 18 of 21





	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)			
NAME	: Mrs. RACHNA KOCHHAR						
AGE/ GENDER	: 43 YRS/FEMALE		PATIENT ID	: 1543007			
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407090019			
REFERRED BY	:		REGISTRATION DATE	: 09/Jul/2024 08:58 AM			
BARCODE NO.	: 01512791		COLLECTION DATE	: 09/Jul/2024 09:36AM			
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Jul/2024 01:11PM			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Т				
Test Name		Value	Unit	Biological Reference interval			
INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOAS	238	312/COBALAMIN pg/mL	190.0 - 830			
INCREASED VITAMIN B12			DECREASED VITAMIN B12				
1.Ingestion of Vitamin C			1.Pregnancy 2.DRUGS:Aspirin, Anti-convulsants, Colchicine				
2.Ingestion of Estrogen 3.Ingestion of Vitamin A			3.Ethanol Igestion				
4.Hepatocellular injury			4. Contraceptive Harmones				
5.Myeloproliferativ			5.Haemodialysis				
6.Uremia			6. Multiple Myeloma				
	amin) is necessary for hematopoi	and requires ir	ai neui unai tunctiun.				





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Ch e MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. RACHNA KOCHHAR			
AGE/ GENDER	: 43 YRS/FEMALE]	PATIENT ID	: 1543007
COLLECTED BY	: SURJESH	1	REG. NO./LAB NO.	: 012407090019
REFERRED BY	·		REGISTRATION DATE	: 09/Jul/2024 08:58 AM
BARCODE NO.	: 01512791		COLLECTION DATE	: 09/Jul/2024 09:36AM
			REPORTING DATE	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB		KEPUKTING DATE	: 09/Jul/2024 11:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL F	PATHOLOGY	
			ROSCOPIC EXAMINAT	
				ION
PHYSICAL EXAMINA				
		10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YEL	IOW	PALE YELLOW
	TANCE SPECTROPHOTOMETRY	AWDERTEE		
TRANSPARANCY		CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY	1.005		1 000 1 000
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	<=1.005		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		ACIDIC		
	TANCE SPECTROPHOTOMETRY	Noibio		
PROTEIN		Negative		NEGATIVE (-ve)
,	TANCE SPECTROPHOTOMETRY	Newster		
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
pH		<=5.0		5.0 - 7.5
	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		Negative		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
-	TANCE SPECTROPHOTOMETRY	Nogotivo		
KETONE BODIES by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
ASCORBIC ACID		NEGATIVE ((-ve)	NEGATIVE (-ve)
	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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

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





NANGE



DACHNA VOCILIAD



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

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

NAME	: Mrs. RACHNA KOCHHAR				
AGE/ GENDER: 43 YRS/FEMALECOLLECTED BY: SURJESHREFERRED BY:		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE		: 1543007	
				: 012407090019 : 09/Jul/2024 08:58 AM	
					BARCODE NO.
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs) Centrifuged urinary sediment	NEGATIVE (-ve)	/HPF	0 - 3	
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	3-5	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		2-4	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	

BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT





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NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT