



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		Pathology)
NAME :	Mrs. RAJNI			
AGE/ GENDER :	41 YRS/FEMALE		PATIENT ID	: 1630851
COLLECTED BY :			REG. NO./LAB NO.	: 012410010021
REFERRED BY :			REGISTRATION DATE	: 01/Oct/2024 08:36 AM
	01510001			
	01518091		COLLECTION DATE	: 01/Oct/2024 08:53AM
	KOS DIAGNOSTIC LAB		REPORTING DATE	: 01/Oct/2024 09:15AM
CLIENT ADDRESS :	6349/1, NICHOLSON ROAD, AMB	SALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.1	
			OOD COUNT (CBC)	
RED BLOOD CELLS (RBC	S) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.3 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC)	COUNT USING, ELECTRICAL IMPEDENCE	4.17	Millions/cr	nm 3.50 - 5.00
PACKED CELL VOLUME		36.3 ^L	%	37.0 - 50.0
MEAN CORPUSCULAR V		87.1	fL	80.0 - 100.0
MEAN CORPUSCULAR H		27.1	pg	27.0 - 34.0
MEAN CORPUSCULAR H	IEMOGLOBIN CONC. (MCHC)	31.1 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION		14.4	%	11.00 - 16.00
RED CELL DISTRIBUTION		47.1	fL	35.0 - 56.0
MENTZERS INDEX	INATED HEIMATOLOGT ANALIZER	20.89	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX		30.08	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (V	VBCS)			IKON DEI IGIENGT ANEIVIIA. > 03.0
TOTAL LEUCOCYTE COU		6940	/cmm	4000 - 11000
NUCLEATED RED BLOOD	D CELLS (nRBCS)	NIL		0.00 - 20.00
NUCLEATED RED BLOOD		NIL	%	< 10 %
by CALCULATED BY AUTO	omated hematology analyzer / <u>TE COUNT (DLC)</u>			
NEUTROPHILS by flow cytometry b	Y SF CUBE & MICROSCOPY	71 ^H	%	50 - 70





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. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. RAJNI AGE/ GENDER : 41 YRS/FEMALE **PATIENT ID** :1630851 **COLLECTED BY** :012410010021 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :01/Oct/2024 08:36 AM **BARCODE NO.** :01518091 **COLLECTION DATE** :01/Oct/2024 08:53AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :01/Oct/2024 09:15AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 20 - 40 22 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 2 - 12 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 4927 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT 1527 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 69 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 416 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 - 110 0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 262000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.33 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 13^H fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 /cmm 120000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) % 46^H 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 16.5 % 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

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 0171-2643898, +91 99910 43898
 care@koshealthcare.com
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENTATION RATE	E (ESR)
	MENTATION RATE (ESR)	42	/1st hr 0 - 20
1. ESR is a non-speci immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practitio ected by other conditions besides	ner exactly where the inflammation is inflammation. For this reason, the ESR	nmation associated with infection, cancer and auto- in the body or what is causing it. It is typically used in conjunction with other test such the above diseases as well as some others, such as

NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as douting, and contractentives, pencillamine processing the populations.

6. 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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BARCODE NO.	: 01518091	COLLI	ECTION DATE :	01/Oct/2024 08:53AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE :	01/Oct/2024 11:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
GLUCOSE FASTING (by GLUCOSE OXIDA:	(F): PLASMA SE - PEROXIDASE (GOD-POD)	110.06 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
INTERPRETATION IN ACCORDANCE WIT 1. A fasting plasma g	ion of 75 ams of alucose) is recon	considered normal. mg/dl is considered as gl nmended for all such pat is highly suggestive of di	tients.	diabetic. A fasting and post-prandial blood ost-prandial is strongly recommended for al ry for diabetic state.





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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E · BASIC	
CHOLESTEROL TOTAL	: SFRUM	174.53	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		171.00	ing, at	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	149.39	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I	DIRECT): SERUM	50.21	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI			5	BORDERLINE HIGH HDL: 30.0 -
				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S	FRUM	94.44	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE		71.11	ing/ dL	ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 - 159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTEI	ROL: SERUM	124.32	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE		121102	ing, ac	ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL:	SERUM	29.88	mg/dL	0.00 - 45.00
by CALCULATED, SPE				
TOTAL LIPIDS: SERUN by CALCULATED, SPE		498.45	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F	RATIO: SERUM	3.48	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	CTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SER	UM	1.88	RATIO	LOW RISK: 0.50 - 3.0
by CALCULATED, SPE				MODERATE RISK: 3.10 - 6.0
				HIGH RISK: > 6.0

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

 www.koshealthcare.com



Page 5 of 15





		Chopra y & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. RAJNI			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	2.98 ^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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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

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

Unit

NAME	: Mrs. RAJNI		
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Value

LIV	ER FUNCTION TES	T (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.65	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.48	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	24.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	33.3	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.74	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	100.89	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	37.66	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.46	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.85	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.61	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.48	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





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Biological Reference interval

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

Test Name





	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugam C MD (Pa EO & Consultant Pa	athology)
NAME	: Mrs. RAJNI			
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Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	>	1.3 (Slightly Increa	ased)

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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by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM 106.65 by ISE (ION SELECTIVE ELECTRODE) ESTIMATED GLOMERULAR FILTERATION RATE ESTIMATED GLOMERULAR FILTERATION RATE 100.9 (eGFR): SERUM

by CALCULATED

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.



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

DR.YUGAM CHOPRA

CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

mmol/L

90.0 - 110.0

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LIENI ADDRESS	. 0349/1, MICHULS	ON ROAD, AMBALA CANTI		
est Name		Value	Unit	Biological Reference interval
. Reduced muscle m	(e.g. ureter colostom ass (subnormal creati	nine production)		,, <u>-</u> , <u>-</u> , <u>-</u>
. Urine reabsorption . Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia . Prerenal azotemia	(e.g. ureter colostom ass (subnormal creati tetracycline, glucocor 0:1) WITH ELEVATED ((BUN rises dispropor superimposed on ren 10:1) WITH DECREASEE osis. ad starvation.	nine production) ticoids) CREATININE LEVELS: tionately more than creatir al disease.	ine) (e.g. obstructive uropa	osis, Cushing's syndrome, high protein diet, ithy).

Rhabdomyolysis (releases muscle creatinine).
 Muscular patients who develop renal failure.

INAPPROPIATE RATIO:

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement).

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein ,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	



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Test Name		Value Unit	Biological Reference interval

COMMENTS:

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

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

ADVICE:

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





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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com







NAME	Marco DA INI				
	: Mrs. RAJNI				
AGE/ GENDER	: 41 YRS/FEMALE	РАТ	IENT ID :	1630851	
COLLECTED BY	:	REG	. NO./LAB NO. :	012410010021	
REFERRED BY	:	REG	ISTRATION DATE :	: 01/Oct/2024 08:36 AM	
BARCODE NO.	:01518091	COL	LECTION DATE :	: 01/Oct/2024 08:53AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB			01/Oct/2024 11:26AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA				
Test Name		Value	Unit	Biological Reference interval	
	ING HORMONE (TSH): SERUN			0.35 - 5.50	
by CMIA (CHEMILUMIN	ING HORMONE (TSH): SERUN Nescent microparticle immung Trasensitive	NROID STIMULATING	G HORMONE (TSH) μIU/mL		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN Vescent microparticle immung Trasensitive AGE	NROID STIMULATING	G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUNG TRASENSITIVE AGE 0 – 5 DAYS	NROID STIMULATING	G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN Vescent microparticle immung Trasensitive AGE	NROID STIMULATING	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20 0.70 – 11.00		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	NROID STIMULATING	G HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUN TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	NROID STIMULATING	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μU 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUNO TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	NROID STIMULATING	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUNO TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	IVROID STIMULATING M 1.189 OASSAY)	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	NROID STIMULATING	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults) 1st Trimester	IVROID STIMULATING M 1.189 OASSAY)	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50 0.10 - 3.00		
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	IVROID STIMULATING M 1.189 OASSAY)	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μIU 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50		

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

INCREASED LEVELS:

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

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis.

4.DRUGS: Amphetamines, Iodine containing agents and dopamine antagonist.

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

DECREASED 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.



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

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

 www.koshealthcare.com
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology) ME	n Chopra 9 (Pathology) t Pathologist
NAME	: Mrs. RAJNI		
AGE/ GENDER	: 41 YRS/FEMALE	PATIENT ID	: 1630851
COLLECTED BY	:	REG. NO./LAB NO.	: 012410010021
REFERRED BY	:	REGISTRATION DATE	: 01/Oct/2024 08:36 AM
BARCODE NO.	:01518091	COLLECTION DATE	:01/Oct/2024 08:53AM
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Test Name		Value Unit	Biological Reference interval

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis. 8.Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.



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	Dr. Vinay Ch MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mrs. RAJNI				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
		CLINICAL PATH	OLOGY		
	URINE R	OUTINE & MICROSC	OPIC EXAMINAT	ION	
PHYSICAL EXAMINA	TION				
QUANTITY RECIEVE		10	ml		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY					
		PALE YELLOW		PALE YELLOW	
		CLEAR		CLEAR	
	CTANCE SPECTROPHOTOMETRY	OLL/ III		oler in	
SPECIFIC GRAVITY		1.02		1.002 - 1.030	
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY				
REACTION		ACIDIC			
	TANCE SPECTROPHOTOMETRY	ACIDIC			
PROTEIN		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC SUGAR	CTANCE SPECTROPHOTOMETRY	Nogotivo		NEGATIVE (-ve)	
	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-Ve)	
рН		<=5.0		5.0 - 7.5	
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Nogativo		NEGATIVE (-ve)	
	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
NITRITE		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		Normal	ET 1/41	0.2 1.0	
UROBILINOGEN by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
,	CTANCE SPECTROPHOTOMETRY	Negotius			
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)	
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)	
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY				

MICROSCOPIC EXAMINATION

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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. RAJNI				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (I	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	
PUS CELLS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5	
EPITHELIAL CELLS		2-4	/HPF	ABSENT	

NEGATIVE (-ve) NEGATIVE (-ve) CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT NEGATIVE (-ve) NEGATIVE (-ve) OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

ABSENT



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

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ABSENT