

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

9001.2008 CENT	IFTED LAD			a DIAGROSTICS	
	<b>Dr. Vinay Chop</b> MD (Pathology & M Chairman & Consult	licrobiology)		(Pathology)	
AME	: Ms. REENA BAKSHI				
GE/ GENDER	: 43 YRS/FEMALE		PATIENT ID	: 1739747	
OLLECTED BY	:		REG. NO./LAB NO.	:012503	200029
EFERRED BY	:		<b>REGISTRATION DATE</b>	:20/Mar/2	2025 11:27 AM
ARCODE NO.	: 01527440		COLLECTION DATE		2025 11:29AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 20/Mar/2	2025 11:54AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	1BALA CANTT			
Cest Name		Value	Unit	B	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.2	2	
	COM	APLETE BL	OOD COUNT (CBC)		
ED BLOOD CELLS	(RBCS) COUNT AND INDICES				
AEMOGLOBIN (H	B)	11.5 <sup>L</sup>	gm/dL	1	12.0 - 16.0
by CALORIMETRIC ED BLOOD CELL (	RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	4.27	Millions/	cmm 3	3.50 - 5.00
ACKED CELL VOLU		36.8 <sup>L</sup>	%	3	37.0 - 50.0
IEAN CORPUSCUL	AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	86.1	fL	8	80.0 - 100.0
IEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	26.9 <sup>L</sup>	pg	2	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHO UTOMATED HEMATOLOGY ANALYZER		g/dL	3	32.0 - 36.0
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	15.8	%	1	11.00 - 16.00
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	51.1	fL	e	35.0 - 56.0
IENTZERS INDEX by CALCULATED		20.16	RATIO	1 I	BETA THALASSEMIA TRAIT: < 13.0 RON DEFICIENCY ANEMIA: >13.0
REEN & KING INE		31.82	RATIO	6 I	3ETA THALASSEMIA TRAIT:<= 35.0 RON DEFICIENCY ANEMIA: > 35.0
VHITE BLOOD CE		d d mar a U		,	4000 - 11000
	BY SF CUBE & MICROSCOPY	11570 <sup>H</sup>	/cmm	2	11000 - 11000
	LOOD CELLS (nRBCS)	NIL		(	).00 - 20.00
UCLEATED RED B	LOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	<	< 10 %
			-		





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

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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Ms. REENA BAKSHI AGE/ GENDER : 43 YRS/FEMALE **PATIENT ID** :1739747 **COLLECTED BY** :012503200029 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 20/Mar/2025 11:27 AM **BARCODE NO.** :01527440 **COLLECTION DATE** : 20/Mar/2025 11:29AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 20/Mar/2025 11:54AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 71<sup>H</sup> % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 23 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 4 % 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 2000 - 7500 8215<sup>H</sup> /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2661 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 231 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 463 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 267000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) % 0.10 - 0.36 0.37<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 14<sup>H</sup> fL. 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 141000<sup>H</sup> /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 52.8<sup>H</sup> % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) % 16.215.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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NAME	: Ms. REENA BAKSHI			
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BARCODE NO.	: 01527440	CO	LLECTION DATE	: 20/Mar/2025 11:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 20/Mar/2025 12:19PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	ERYTHRO	CYTE SEDIME	NTATION RATE (	FSR)
by RED CELL AGGRE INTERPRETATION: 1. ESR is a non-specif mmune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactive 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dexi	does not tell the health practitione cted by other conditions besides in be used to monitor disease activity ematosus <b>W ESR</b> n with conditions that inhibit the n hificantly high white blood cell cour e cell anaemia) also lower the ESR e protein (C-RP) are both markers o es not change as rapidly as does CRF <b>by as many other factors as is ESR</b> , ed, it is typically a result of two typ ve a higher ESR, and menstruation a	er exactly where the flammation. For the and response to the ormal sedimentation of inflammation. P, either at the star <b>making it a better</b> is of proteins, glob and pregnancy can	e inflammation is in the is reason, the ESR is ty herapy in both of the a on of red blood cells, s ind some protein abno t of inflammation or a <b>marker of inflammatior</b> oulins or fibrinogen. cause temporary eleva	tion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count ormalities. Some changes in red cell shape (such s it resolves. <b>n</b> .





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	MD (	Vinay Chopra Pathology & Microbiology) man & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLS	ON ROAD, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL CHEMISTR	Y/BIOCHEMIST	RY
		GLUCOSE FA:	STING (F)	
GLUCOSE FASTING	G (F): PLASMA E - peroxidase (god-h	103.42 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

**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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PRO	)FILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O.		137.47	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: S by GLYCEROL PHOSI	SERUM PHATE OXIDASE (ENZYMATIC)	77.91	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO	L (DIRECT): SERUM TION	37.8	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0
LDL CHOLESTERO by CALCULATED, SPI	L: SERUM ECTROPHOTOMETRY	84.09	mg/dL	HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0
NON HDL CHOLES by calculated, spi	TEROL: SERUM ECTROPHOTOMETRY	99.67	mg/dL	HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0
VLDL CHOLESTER	OL: SERUM	15.58	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SEE	ectrophotometry RUM	352.85	mg/dL	350.00 - 700.00
CHOLESTEROL/HI	ECTROPHOTOMETRY DL RATIO: SERUM ECTROPHOTOMETRY	3.64	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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		<b>hopra</b> & Microbiology) onsultant Pathologi		(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANT	Г	
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		2.22	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		2.06 <sup>L</sup>	RATIO	3.00 - 5.00

## **INTERPRETATION:**

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Test Name		Value	Unit	Biological Reference i
	LIVER	FUNCTION '	FEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, S	: SERUM PECTROPHOTOMETRY	0.48	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.16	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM ECTROPHOTOMETRY	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUN by IFCC, WITHOUT P	I YRIDOXAL PHOSPHATE	33.8	U/L	7.00 - 45.00
SGPT/ALT: SERUN by IFCC, WITHOUT P	I YRIDOXAL PHOSPHATE	34.6	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM ECTROPHOTOMETRY	0.98	RATIO	0.00 - 46.00
ALKALINE PHOSP by PARA NITROPHEN PROPANOL	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	91.81	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	27.99	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.28	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		3.95	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPI	M ECTROPHOTOMETRY	3.33	gm/dL	2.30 - 3.50
A : G RATIO: SERU	Μ	1.19	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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

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

## **INCREASED:**

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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interval

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INTERPRETATION





Value	Unit	<b>Biological Reference interval</b>
ICHOLSON ROAD, AMBALA CANTT		
NOSTIC LAB <b>RE</b> I	EPORTING DATE	: 20/Mar/2025 01:02PM
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RE	EG. NO./LAB NO.	: 012503200029
MALE PA'	ATIENT ID	: 1739747
A BAKSHI		
MD (Pathology & Microbiology) Chairman & Consultant Pathologist	MD ( CEO & Consultant F	Pathology) Pathologist
Dr. Vinay Chopra	Dr. Yugam	
	Dr. Vinay Chopra	Dr. Vinay Chopra Dr. Yugam

Test Name	Value	Unit	Biological Reference interval

## **DECREASED:**

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

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

PROGNOSTIC SIGNIFICANCE:

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



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Test Name		Value	Unit	<b>Biological Reference interval</b>
	KIDNI	EY FUNCTION	TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	20.8	mg/dL	10.00 - 50.00
CREATININE: SER	UM	0.95	mg/dL	0.40 - 1.20
by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		9.72	mg/dL	7.0 - 25.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	10.23	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ by CALCULATED, SPE		21.89	RATIO	
URIC ACID: SERUM	1	6.92 <sup>H</sup>	mg/dL	2.50 - 6.80
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.3	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE				
PHOSPHOROUS: SE	ERUM DATE, SPECTROPHOTOMETRY	3.22	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		138.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM		3.82	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	(E ELECTRODE)			
CHLORIDE: SERUN by ISE (ION SELECTIV		103.95	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	76.2		

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





AGE/ GENDER : 43 YRS/FJ COLLECTED BY : REFERRED BY : BARCODE NO. : 01527440 CLIENT CODE. : KOS DIAG CLIENT ADDRESS : 6349/1, N Test Name 4. High protein intake. 5. Impaired renal function plus 6. Excess protein intake or product burns, surgery, cachexia, high feve 7. Urine reabsorption (e.g. ureter of 8. Reduced muscle mass (subnorm 9. Certain drugs (e.g. tetracycline, INCREASED RATIO (>20:1) WITH EL 1. Postrenal azotemia Superimpose DECREASED RATIO (>20:1) WITH DE 1. Acute tubular necrosis. 2. Low protein diet and starvation. 3. Severe liver disease. 4. Other causes of decreased urea 5. Repeated dialysis (urea rather t 6. Inherited hyperammonemias (u 7. SIADH (syndrome of inappropia 8. Pregnancy. DECREASED RATIO (<10:1) WITH IN 1. Phenacimide therapy (accelerat 2. Rhabdomyolysis (releases musc 3. Muscular patients who develop INAPPROPIATE RATIO:		PATIENT ID REG. NO./LAB NO.	: 1739747
COLLECTED BY : REFERRED BY : BARCODE NO. : 01527440 CLIENT CODE. : KOS DIAG CLIENT ADDRESS : 6349/1, N Test Name 4. High protein intake. 5. Impaired renal function plus 6. Excess protein intake or product burns, surgery, cachexia, high feve 7. Urine reabsorption (e.g. ureter of 8. Reduced muscle mass (subnorm 9. Certain drugs (e.g. tetracycline, NCREASED RATIO (>20:1) WITH EL 1. Postrenal azotemia (BUN rises of 2. Prerenal azotemia superimpose DECREASED RATIO (<10:1) WITH DE 1. Acute tubular necrosis. 2. Low protein diet and starvation. 3. Severe liver disease. 4. Other causes of decreased urea 5. Repeated dialysis (urea rather t 5. Inherited hyperammonemias (urea rather t 5. Inherited hyperamonemias (urea ra			: 1739747
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<ol> <li>High protein intake.</li> <li>Impaired renal function plus</li> <li>Excess protein intake or product burns, surgery, cachexia, high fever</li> <li>Urine reabsorption (e.g. ureter of Reduced muscle mass (subnorn</li> <li>Certain drugs (e.g. tetracycline, NCREASED RATIO (&gt;20:1) WITH ELI</li> <li>Postrenal azotemia superimpose</li> <li>DECREASED RATIO (&lt;10:1) WITH DEI</li> <li>Acute tubular necrosis.</li> <li>Low protein diet and starvation.</li> <li>Severe liver disease.</li> <li>Other causes of decreased urea</li> <li>Repeated dialysis (urea rather to Inherited hyperammonemias (ur SIADH (syndrome of inappropia)</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;10:1) WITH IN</li> <li>Phenacimide therapy (accelerat Rabdomyolysis (releases musc)</li> <li>Muscular patients who develop NAPPROPIATE RATIO:</li> </ol>	1, NICHOLSON ROAD, AMBALA (	CANTT	
<ol> <li>5. Impaired renal function plus</li> <li>5. Excess protein intake or production production intake or production surgery, cachexia, high feverer of the second structure of the second</li></ol>	Val	ue Unit	Biological Reference interva
should produce an increased BUN 2. Cephalosporin therapy (interfer ESTIMATED GLOMERULAR FILTERAT CKD STAGE G1	urea synthesis. her than creatinine diffuses out of is (urea is virtually absent in blood opiate antidiuretic harmone) due t H INCREASED CREATININE: erates conversion of creatine to co huscle creatinine). elop renal failure. pacetate causes false increase in co	d). to tubular secretion of urea. reatinine). creatinine with certain method	dologies,resulting in normal ratio when dehydra
G2	rferes with creatinine measureme ERATION RATE: DESCRIPTION	GFR ( mL/min/1.73m2 )	ASSOCIATED FINDINGS
02	rferes with creatinine measureme <b>EATION RATE:</b> DESCRIPTION Normal kidney function	GFR ( mL/min/1.73m2 ) >90	No proteinuria
G3a	rferes with creatinine measureme ERATION RATE: DESCRIPTION	GFR (mL/min/1.73m2) >90 >90	
	rferes with creatinine measureme <b>RATION RATE:</b> DESCRIPTION Normal kidney function Kidney damage with normal or high GFR Mild decrease in GFR	GFR (mL/min/1.73m2) >90 >90 60 -89	No proteinuria Presence of Protein ,
	rferes with creatinine measureme <b>ATION RATE:</b> DESCRIPTION Normal kidney function Kidney damage with normal or high GFR	GFR ( mL/min/1.73m2 ) >90 >90	No proteinuria Presence of Protein ,





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microb Chairman & Consultant F	iology) MD	n Chopra 9 (Pathology) 1t Pathologist
NAME	: Ms. REENA BAKSHI		
AGE/ GENDER	: 43 YRS/FEMALE	PATIENT ID	: 1739747
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012503200029
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 20/Mar/2025 11:27 AM
BARCODE NO.	: 01527440	<b>COLLECTION DATE</b>	: 20/Mar/2025 11:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 20/Mar/2025 01:02PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	v	alue Unit	Biological Reference interval

COMMENTS:

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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

ADVICE:

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





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AGE/ GENDER : 43 YRS/ COLLECTED BY : REFERRED BY : BARCODE NO. : 015274 CLIENT CODE. : KOS DIA CLIENT ADDRESS : 6349/1 Test Name TRIIODOTHYRONINE (T3): SI by CMIA (CHEMILUMINESCENT MIC THYROXINE (T4): SERUM by CMIA (CHEMILUMINESCENT MIC	40 IGNOSTIC LAB NICHOLSON ROAD, AMBALA CA Value END	e Unit	: 20/Mar/2025 11:29AM : 20/Mar/2025 01:02PM
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by CMIA (CHEMILUMINESCENT MIC THYROXINE (T4): SERUM by CMIA (CHEMILUMINESCENT MIC			
by CMIA (CHEMILUMINESCENT MIC THYROXINE (T4): SERUM by CMIA (CHEMILUMINESCENT MIC		UNCTION TEST: TOT	AL
by CMIA (CHEMILUMINESCENT MIC		3 ng/r	mL 0.35 - 1.93
	11.4 ROPARTICLE IMMUNOASSAY)	6 μgm	1/dL 4.87 - 12.60
THYROID STIMULATING HOF by CMIA (CHEMILUMINESCENT MIC 3rd GENERATION, ULTRASENSITIV INTERPRETATION:	ROPARTICLE IMMUNOASSAY)	7 μIU/	/mL 0.35 - 5.50
day has influence on the measured seru	<i>IM TSH concentrations</i> . TSH stimulates tivel of regulation of the hypothalamic-pi	he production and secretion of	6-10 pm. The variation is of the order of 50%.Hence time of a the metabolically active hormones, thyroxine (T4)and n either underproduction (hypothyroidism) or
CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism: Subclinical Hypothyroidism:	Reduced Normal or Low Normal	Reduced Normal or Low Normal	Increased (Significantly) High

111	<i>ι</i> ιτΔ	TIO	NS:-

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.

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

Increased

Normal or High Normal





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Ms. REENA BAKSHI		
AGE/ GENDER	: 43 YRS/FEMALE	PATIENT ID	: 1739747
<b>COLLECTED BY</b>	:	REG. NO./LAB NO.	: 012503200029
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 20/Mar/2025 11:27 AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	
	T7 3	TT	

Test Name		Value Unit		t Biological Reference inter		
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECON	IMENDATIONS OF TSH LE	VELS 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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NAME	Chairman & Const	ultant Pathologist CEO & Consultant		
	: Ms. REENA BAKSHI		1700747	
AGE/ GENDER	: 43 YRS/FEMALE	PATIENT ID	: 1739747	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value Unit	Biological Reference interval	
Test Name	IMM	Value Unit		
Test Name				
L		UNOPATHOLOGY/SEROLOG		

els are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. **NOTE:** 

Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.
 Oral contraceptives may increase CRP levels.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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	<b>Dr. Vinay Ch</b> e MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD :O & Consultant	(Pathology)
NAME : Ms.	REENA BAKSHI			
AGE/ GENDER : 43 Y	RS/FEMALE	PATIENT	ID	: 1739747
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Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL PATHO	LOGY	
	URINE RO	UTINE & MICROSCOP	PIC EXAMINA	ATION
PHYSICAL EXAMINATION	<u>N</u>			
QUANTITY RECIEVED		10	ml	
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY			
TRANSPARANCY by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY		1.01		1.002 - 1.030
by DIP STICK/REFLECTANCE S CHEMICAL EXAMINATIO				
REACTION		ACIDIC		
by DIP STICK/REFLECTANCE S PROTEIN	PECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	-		
SUGAR by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
рН		6.5		5.0 - 7.5
by DIP STICK/REFLECTANCE S BILIRUBIN	PECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY			
NITRITE by DIP STICK/REFLECTANCE S	PECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLECTANCE S		Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE S		Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE S ASCORBIC ACID	PECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE S		NEGATIVE (-ve)		NEGATIVE (-VE)
MICROSCOPIC EXAMINA				
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)

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

NAME	: Ms. REENA BAKSHI			
AGE/ GENDER	: 43 YRS/FEMALE		PATIENT ID	: 1739747
COLLECTED BY	:		REG. NO./LAB NO.	: 012503200029
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 20/Mar/2025 11:27 AM
BARCODE NO.	: 01527440		<b>COLLECTION DATE</b>	: 20/Mar/2025 11:29AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 20/Mar/2025 01:03PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
,	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		1-3	/HPF	0 - 5

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

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/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 by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

\*\* End Of Report \*\*\*





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