

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: MrsPROMILA			
AGE/ GENDER	: 72 YRS/FEMALE		PATIENT ID	: 1619061
COLLECTED BY	:		REG. NO./LAB NO.	: 012409200004
REFERRED BY	•		REGISTRATION DATE	: 20/Sep/2024 06:56 AM
BARCODE NO.	: 01517297		COLLECTION DATE	: 20/Sep/2024 06:57AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 20/Sep/2024 08:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	BALA CANT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA W	ELLNESS PANEL: 1.5	
	CON	/IPLETE BI	LOOD COUNT (CBC)	
RED BLOOD CELLS (RI	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.6 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC	C) COUNT	4.23	Millions/cr	mm 3.50 - 5.00
PACKED CELL VOLUM	E (PCV) JTOMATED HEMATOLOGY ANALYZER	37.1	%	37.0 - 50.0
MEAN CORPUSCULAR	VOLUME (MCV) ITOMATED HEMATOLOGY ANALYZER	87.8	fL	80.0 - 100.0
	R HAEMOGLOBIN (MCH)	27.4	pg	27.0 - 34.0
	HEMOGLOBIN CONC. (MCHC)	31.3 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI		13.3	%	11.00 - 16.00
RED CELL DISTRIBUTI		43.6	fL	35.0 - 56.0
MENTZERS INDEX		20.76	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX		27.58	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	(WBCS)			
TOTAL LEUCOCYTE CC	DUNT (TLC) by sf cube & microscopy	4930	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) % <i>itomated hematology analyzer</i>	NIL	%	< 10 %
NEUTROPHILS by flow cytometry	BY SF CUBE & MICROSCOPY	58	%	50 - 70





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







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LYMPHOCYTES		30	%	20 - 40
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY Y BY SF CUBE & MICROSCOPY	4	%	1-6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS		0	%	0 - 1
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY (TES (WBC) COUNT			
ABSOLUTE NEUTRO		2859	/cmm	2000 - 7500
	Y BY SF CUBE & MICROSCOPY	1470	100000	000 4000
ABSOLUTE LYMPHO by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	1479	/cmm	800 - 4900
ABSOLUTE EOSINOP	HIL COUNT y by sf cube & microscopy	197	/cmm	40 - 440
ABSOLUTE MONOCY		394	/cmm	80 - 880
ABSOLUTE BASOPHI	L COUNT	0	/cmm	0 - 110
	Y BY SF CUBE & MICROSCOPY HER PLATELET PREDICTIVE MARKE	<u>RS.</u>		
PLATELET COUNT (P	LT) Focusing, electrical impedence	229000	/cmm	150000 - 450000
PLATELETCRIT (PCT)	-OCOSING, ELECTRICAL IMPEDENCE	0.29	%	0.10 - 0.36
	FOCUSING, ELECTRICAL IMPEDENCE		8	(50, 10.0
MEAN PLATELET VO by HYDRO DYNAMIC	LUIVIE (IVIPV) FOCUSING, ELECTRICAL IMPEDENCE	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CE	LL COUNT (P-LCC) FOCUSING, ELECTRICAL IMPEDENCE	106000 ^H	/cmm	30000 - 90000
PLATELET LARGE CE		46.3 ^H	%	11.0 - 45.0
PLATELET DISTRIBU	TION WIDTH (PDW)	16	%	15.0 - 17.0
•	FOCUSING, ELECTRICAL IMPEDENCE			





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 20/Sep/2024 11:45AM
CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM		JAIMU DAIL	. 20, 50p/ 2024 11.45AW
	. 0040/1, MonoLSON Rond, AN			
Test Name		Value	Unit	Biological Reference interval
GLYCOSYLATED HAEN WHOLE BLOOD		5.9	%	4.0 - 6.4
ESTIMATED AVERAGI		122.63	mg/dL	60.00 - 140.00
		ABETES ASSOCIATION		
	REFERENCE GROUP	GLYCOS	YLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years	1	<5.7	
	t Risk (Prediabetes)	-	5.7 - 6.4	
U	iagnosing Diabetes	-	>= 6.5 Age > 19 Years	
		Goals of The		< 7.0
Therapeut	ic goals for glycemic control	Actions Sugg		>8.0
			Age < 19 Years	
		Goal of therapy:		<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 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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Test Name		Value	Unit	Biological Reference interval
	ERYI	HROCYTE SEDIM	IENTATION RATE (ESF	2)
-RYTHROCYTE SEDU	MENTATION RATE (ESR)	8	mm/1st h	
by RED CELL AGGRE	GATION BY CAPILLARY PHOTOME	TRY		
systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sign	ematosus W ESR in with conditions that inhibit t inficantly high white blood cell le cell anaemia) also lower the	he normal sediment count (leucocytosis) ESR.	ation of red blood cells, su	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
 ESR and C - reactive Generally, ESR does CRP is not affected If the ESR is elevat Women tend to has Drugs such as dex 	es not change as rapidly as does by as many other factors as is l ed, it is typically a result of two we a higher ESR, and menstruat	S CRP, either at the s SR, making it a betto types of proteins, g ion and pregnancy c	er marker of inflammation lobulins or fibrinogen. an cause temporary eleva	





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T		Value	Unit	Biological Reference interval
Test Name				
	CLIN	IICAL CHEMISTR	Y/BIOCHEMISTR	Y
	CLIN	IICAL CHEMISTR GLUCOSE FA		Y

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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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTA by CHOLESTEROL OX		122.42	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	100.43	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (by SELECTIVE INHIBITI		56.81	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		45.52	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159. HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		65.61	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189. HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by CALCULATED, SPE		20.09	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU	M	345.27 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	RATIO: SERUM	2.15	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: SER by CALCULATED, SPE		0.8	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	1.77 ^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 Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. .PROMILA AGE/ GENDER : 72 YRS/FEMALE **PATIENT ID** :1619061 :012409200004 **COLLECTED BY** REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 20/Sep/2024 06:56 AM : **BARCODE NO.** :01517297 **COLLECTION DATE** : 20/Sep/2024 06:57AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 20/Sep/2024 10:31AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.42 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20

BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.14	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by Calculated, spectrophotometry	0.28	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.7	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by Calculated, spectrophotometry	1.01	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para nitrophenyl phosphatase by amino methyl propanol	70.63	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	13.29	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	5.87 ^L	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	3.53	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.34	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.51	RATIO	1.00 - 2.00

INTERPRETATION

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

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

INCREASED:

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





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

Unit

Biological Reference interval

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Value

Dr. Vinay Chopra

MD (Pathology & Microbiology)

	Value	Shit	biological Reference interval
КІ	DNEY FUNCTION TE	ST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)	45.31	mg/dL	10.00 - 50.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY	0.97	mg/dL	0.40 - 1.20
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY	21.17	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM by calculated, spectrophotometry	21.82 ^H	RATIO	10.0 - 20.0
UREA/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	46.71	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE	7.47 ^H	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY	8.91	mg/dL	8.50 - 10.60
PHOSPHOROUS: SERUM by phosphomolybdate, spectrophotometry ELECTROLYTES	3.16	mg/dL	2.30 - 4.70
SODIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	139.8	mmol/L	135.0 - 150.0
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	4.05	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE) ESTIMATED GLOMERULAR FILTERATION RATE	104.85	mmol/L	90.0 - 110.0
ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM by CALCULATED	62.1		

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 Name





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REFERRED BY			EGISTRATION DATE	: 20/Sep/2024 06:56 AM
BARCODE NO.	: 01517297		OLLECTION DATE	: 20/Sep/2024 06:57AM
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 20/Sep/2024 10:31AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
5. Excess protein inta ourns, surgery, cache 7. Urine reabsorption 8. Reduced muscle n 9. Certain drugs (e.g.	exia, high fever). n (e.g. ureter colostomy) nass (subnormal creatinine pro tetracycline, glucocorticoids)	oduction)	n, GI bleeding, thyrotoxic	osis, Cushing's syndrome, high protein diet,
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (> 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular nect 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome	ake or production or tissue bre exia, high fever). In (e.g. ureter colostomy) hass (subnormal creatinine pro- tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionated superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. nd starvation.	oduction) I INE LEVELS: y more than creatinine se. liffuses out of extracel bsent in blood).	e) (e.g. obstructive uropa lular fluid).	
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (> 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular nect 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 3. Pregnancy.	ake or production or tissue bre exia, high fever). In (e.g. ureter colostomy) hass (subnormal creatinine pro- tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionatel superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. Ind starvation. Tee. ecreased urea synthesis. (urea rather than creatinine do monemias (urea is virtually a of inappropiate antidiuretic ha	oduction) I INE LEVELS: y more than creatining se. liffuses out of extracel bsent in blood). armone) due to tubula	e) (e.g. obstructive uropa lular fluid).	
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (< 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (<	ake or production or tissue bre exia, high fever). In (e.g. ureter colostomy) hass (subnormal creatinine pro- tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionatel superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. Ind starvation. Tee. ecreased urea synthesis. (urea rather than creatinine do monemias (urea is virtually a	oduction) I INE LEVELS: y more than creatining se. liffuses out of extracel bsent in blood). armone) due to tubular NINE:	e) (e.g. obstructive uropa lular fluid). ^r secretion of urea.	
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5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (> 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular nect 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO	ake or production or tissue bre exia, high fever). In (e.g. ureter colostomy) hass (subnormal creatinine pro- tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionatel superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. Ind starvation. Tec. cereased urea synthesis. (urea rather than creatinine do monemias (urea is virtually a of inappropiate antidiuretic has 10:1) WITH INCREASED CREATI apy (accelerates conversion of releases muscle creatinine). who develop renal failure. 0:	oduction) I INE LEVELS: y more than creatining se. liffuses out of extracel bsent in blood). armone) due to tubular NINE: creatine to creatinine	e) (e.g. obstructive uropa lular fluid). ⁻ secretion of urea.).	thy).
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (> 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular nect 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 8. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido	ake or production or tissue bre exia, high fever). In (e.g. ureter colostomy) hass (subnormal creatinine pro- tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATIN a (BUN rises disproportionatel superimposed on renal disea 10:1) WITH DECREASED BUN : rosis. Ind starvation. Tec. cereased urea synthesis. (urea rather than creatinine do monemias (urea is virtually a of inappropiate antidiuretic has 10:1) WITH INCREASED CREATI apy (accelerates conversion of releases muscle creatinine). who develop renal failure. 0:	oduction) INE LEVELS: y more than creatining se. liffuses out of extracel bsent in blood). armone) due to tubular NINE: creatine to creatinine e increase in creatining	e) (e.g. obstructive uropa lular fluid). ⁻ secretion of urea.).	

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with normal or high GFR	>90	Presence of Protein , 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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	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultan	obiology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: MrsPROMILA		
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT ID	: 1619061
COLLECTED BY	:	REG. NO./LAB NO.	: 012409200004
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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



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	Dr. Vinay Cho MD (Pathology &	Microbiology)		(Pathology)
	Chairman & Cons	ultant Pathologist	CEO & Consultant	Pathologist
NAME	: MrsPROMILA			
AGE/ GENDER	: 72 YRS/FEMALE	PATI	ENT ID	: 1619061
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
r				/
Test Name		Value	Unit	Biological Reference interval
		IRON PRO	FILE	
IRON: SERUM		32.4 ^L	μg/dL	37.0 - 145.0
:SERUM	N BINDING CAPACITY (UIBC)	262.02	μg/dL	150.0 - 336.0
by FERROZINE, SPEC TOTAL IRON BINDIN :SERUM by SPECTROPHOTOM	IG CAPACITY (TIBC)	294.42	μg/dL	230 - 430

TOTAL IRON BINDING CAPACITY (TIBC) :SERUM by SPECTROPHOTOMETERY	294.42	μg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by CALCULATED, SPECTROPHOTOMETERY (FERENE)	11 ^L	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)	209.04	mg/dL	200.0 - 350.0

INTERPRETATION:-

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: 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.

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 ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTI	ſ	
Test Name		Value	Unit	Biological Reference interval
		ENDO	CRINOLOGY	
	TH	YROID FUN	CTION TEST: TOTAL	
TRIIODOTHYRONINI by CMIA (CHEMILUMIN	E (T3): SERUM VESCENT MICROPARTICLE IMMUNOASS/	0.741 4 <i>Y</i>)	ng/mL	0.35 - 1.93
THYROXINE (T4): SE by CMIA (CHEMILUMIN	RUM NESCENT MICROPARTICLE IMMUNOASS/	6.18 4 <i>Y</i>)	µgm/dL	4.87 - 12.60
	ING HORMONE (TSH): SERUM	1.618 (4 <i>Y</i>)	μIU/mL	0.35 - 5.50
3rd GENERATION, ULT <u>INTERPRETATION</u> :	RASENSITIVE			
day has influence on the trilodothyronine (T3).Fai		timulates the pr	oduction and secretion of the m	<i>m. The variation is of the order of 50%.Hence time of</i> etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or

overproduction(hyperthyroidism) of T4 and/or T3.

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

LIMITATIONS:-

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

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

3. Serum T4 levies 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	3 - 6 Months 0.51 - 2.52		6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40





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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





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Test Name	Value	Unit	Biological Reference interval

			Value			biological Reference int
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	VELS DURING PREGN	IANCY (μIU/mL)		
	1st Trimester					
	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



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	6349/1, NICHOLSON ROA	D, AMBALA CANTT	EPORTING DATE	: 20/Sep/2024 10:31AM	1
Test Name					
		Value	Unit	Biological Ref	erence interval
		VITAN	/INS		
	V	ITAMIN D/25 HYD	ROXY VITAMIN D3		
VITAMIN D (25-HYDRO	XY VITAMIN D3): SERUM CENCE IMMUNOASSAY)	36.1	ng/mL	DEFICIENCY: < INSUFFICIENC	
				SUFFICIENCY: TOXICITY: > 10	30.0 - 100.0
NTERPRETATION:	AIT	20			50.0
DEFICIE INSUFFIC		< 20 21 - 29		g/mL g/mL	
PREFFERED		30 - 100		g/mL	
conversion of 7- dihvdro 2.25-OHVitamin D rep tissue and tightly bound 3.Vitamin D plays a prir ohosphate reabsorption 4.Severe deficiency may DECREASED : 1.Lack of sunshine expo 2.Inadequate intake, m 3.Depressed Hepatic Vit 4.Secondary to advance 5.Osteoporosis and Sec 6.Enzyme Inducing drug INCREASED: 1. Hypervitaminosis D is severe hypercalcemia an CAUTION : Replacement hypervitaminosis D	alabsorption (celiac disease tamin D 25- hydroxylase act od Liver disease ondary Hyperparathroidism is: anti-epileptic drugs like p s Rare, and is seen only afte nd hyperphophatemia. therapy in deficient individu	D3 in the skin upon Ult voir and transport form ile in circulation. ee of calcium homeosta on, calcium mobilizatio ee newly formed osteo e) ivity (Mild to Moderate de ohenytoin, phenobarbin r prolonged exposure t uals must be monitored	traviolet exposure. n of Vitamin D and trans atis. It promotes calciun n, mainly regulated by p id in bone, resulting in r ficiency) tal and carbamazepine, to extremely high doses d by periodic assessmen	port form of Vitamin D, bei n absorption, renal calcium barathyroid harmone (PTH) ickets in children and oste that increases Vitamin D m of Vitamin D. When it occu t of Vitamin D levels in ord	ing stored in adipos n absorption and). omalacia in adults. netabolism. urs, it can result in der to prevent





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,				
	. 00 10/ 1, 11011012001 10112,				
Test Name		Value	Unit	Biological Reference interval	
		865	pg/mL	190.0 - 890.0	
by CMIA (CHEMILUMI INTERPRETATION:-	INESCENT MICROPARTICLE IMMUNOA				
by CMIA (CHEMILUMI INTERPRETATION:-	INESCENT MICROPARTICLE IMMUNOA		pg/mL		
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Estre	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 Imin C ogen	ASSAY) 1.Pregnancy 2.DRUGS:Aspin	DECREASED VITAMIN	B12	
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Estro 3.Ingestion of Vita	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 Imin C ogen min A	1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges	DECREASED VITAMIN	B12	
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Estro 3.Ingestion of Vita 4.Hepatocellular i	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 imin C ogen min A njury	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin	DECREASED VITAMIN rin, Anti-convulsants, v tion ve Harmones	B12	
INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Estro 3.Ingestion of Vita	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 imin C ogen min A njury	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy	DECREASED VITAMIN rin, Anti-convulsants, o tion ve Harmones sis	B12	
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Vita 3.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 imin C ogen min A njury ive disorder alamin) is necessary for hematop	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy 6. Multiple My oiesis and normal neuro	DECREASED VITAMIN rin, Anti-convulsants, o tion ve Harmones sis veloma onal function.	B12 Colchicine	
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Estro 3.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba 2.In humans, it is ot	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 ogen min A njury ive disorder alamin) is necessary for hematop btained only from animal protein	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy 6. Multiple My oiesis and normal neurous and requires intrinsic	DECREASED VITAMIN rin, Anti-convulsants, o tion ve Harmones sis veloma ponal function. factor (IF) for absorpti	B12 Colchicine	
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba 2.In humans, it is ot 3.The body uses its	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 ogen min A njury ive disorder alamin) is necessary for hematop btained only from animal protein	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy 6. Multiple My oiesis and normal neurous and requires intrinsic	DECREASED VITAMIN rin, Anti-convulsants, o tion ve Harmones sis veloma ponal function. factor (IF) for absorpti	B12 Colchicine	
by CMIA (CHEMILUMI INTERPRETATION:- INCREA 1.Ingestion of Vita 2.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba 2.In humans, it is of 3.The body uses its excreted. 4.Vitamin B12 defici	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 ogen min A njury ive disorder alamin) is necessary for hematop btained only from animal protein vitamin B12 stores very economic iency may be due to lack of IF sec	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy 6. Multiple My oiesis and normal neurous and requires intrinsic cally, reabsorbing vitami	DECREASED VITAMIN rin, Anti-convulsants, o tion ve Harmones sis veloma onal function. factor (IF) for absorpti in B12 from the ileum	B12 Colchicine Colchicine On. and returning it to the liver; very little is	
by CMIA (CHEMILUMI INTERPRETATION:- INCREF 1.Ingestion of Vita 2.Ingestion of Vita 3.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba 2.In humans, it is of 3.The body uses its excreted. 4.Vitamin B12 defici ileal resection, sma	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 imin C ogen min A njury ive disorder alamin) is necessary for hematop btained only from animal protein vitamin B12 stores very economic iency may be due to lack of IF sec ill intestinal diseases).	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy 6. Multiple My oiesis and normal neuror is and requires intrinsic cally, reabsorbing vitami cretion by gastric mucosi	DECREASED VITAMIN rin, Anti-convulsants, (tion ve Harmones sis veloma factor (IF) for absorpti in B12 from the ileum a (eg, gastrectomy, gas	B12 Colchicine Colchicine Colchicine and returning it to the liver; very little is stric atrophy) or intestinal malabsorption (eg	
by CMIA (CHEMILUMI INTERPRETATION:- INCREP 1.Ingestion of Vita 2.Ingestion of Estra 3.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba 3.The body uses its excreted. 4.Vitamin B12 defic ileal resection, sma 5.Vitamin B12 defic proprioception, poor	ASED VITAMIN B12 min C ogen min A njury ive disorder alamin) is necessary for hematop btained only from animal protein vitamin B12 stores very economic iency may be due to lack of IF sec ill intestinal diseases). iency frequently causes macrocy pr coordination, and affective ber	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptin 5.Haemodialy 6. Multiple My oiesis and normal neuror is and requires intrinsic cally, reabsorbing vitami cretion by gastric mucosa tic anemia, glossitis, per	DECREASED VITAMIN rin, Anti-convulsants, (tion ve Harmones sis reloma onal function. factor (IF) for absorpti in B12 from the ileum a (eg, gastrectomy, gas	B12 Colchicine	
by CMIA (CHEMILUMI INTERPRETATION:- INCREF 1.Ingestion of Vita 2.Ingestion of Estro 3.Ingestion of Vita 4.Hepatocellular i 5.Myeloproliferati 6.Uremia 1.Vitamin B12 (coba 3.The body uses its excreted. 4.Vitamin B12 defici leal resection, sma 5.Vitamin B12 defic proprioception, poor the neurologic defer	INESCENT MICROPARTICLE IMMUNOA ASED VITAMIN B12 min C ogen min A njury ive disorder alamin) is necessary for hematop btained only from animal protein vitamin B12 stores very economic iency may be due to lack of IF sec ill intestinal diseases). iency frequently causes macrocy	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptiv 5.Haemodialy 6. Multiple My olesis and normal neurous and requires intrinsic cally, reabsorbing vitami cretion by gastric mucosa tic anemia, glossitis, per havioral changes. These	DECREASED VITAMIN rin, Anti-convulsants, (tion ve Harmones sis veloma onal function. factor (IF) for absorpti in B12 from the ileum a (eg, gastrectomy, gas ripheral neuropathy, w manifestations may oc	B12 Colchicine on. and returning it to the liver; very little is stric atrophy) or intestinal malabsorption (eg reakness, hyperreflexia, ataxia, loss of recur in any combination; many patients have	

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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	Dr. Vinay Ch e MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: MrsPROMILA : 72 YRS/FEMALE : : : 01517297 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REGISTI COLLEC REPORT	F ID ./LAB NO. RATION DATE FION DATE TING DATE	: 1619061 : 012409200004 : 20/Sep/2024 06:56 AM : 20/Sep/2024 06:57AM : 20/Sep/2024 10:57AM
Test Name		Value	Unit	Biological Reference interval
<u>PHYSICAL EXAMINA</u>		CLINICAL PATHO DUTINE & MICROSCO		TION
COLOUR by DIP STICK/REFLEC TRANSPARANCY by DIP STICK/REFLEC SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	10 AMBER YELLOW HAZY 1.01	ml	PALE YELLOW CLEAR 1.002 - 1.030
PROTEIN by DIP STICK/REFLEC SUGAR by DIP STICK/REFLEC PH by DIP STICK/REFLEC BILIRUBIN by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	ALKALINE Negative Negative 7.5 Negative Negative		NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5 NEGATIVE (-ve) NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLEC KETONE BODIES by DIP STICK/REFLEC BLOOD by DIP STICK/REFLEC ASCORBIC ACID	TANCE SPECTROPHOTOMETRY. TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	Normal Negative Negative NEGATIVE (-ve)	EU/dL	0.2 - 1.0 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)

MICROSCOPIC EXAMINATION



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

NAME	: MrsPROMILA		
AGE/ GENDER	: 72 YRS/FEMALE	PATIENT ID	: 1619061
COLLECTED BY	:	REG. NO./LAB NO.	: 012409200004
REFERRED BY	:	REGISTRATION DATE	: 20/Sep/2024 06:56 AM
BARCODE NO.	: 01517297	COLLECTION DATE	: 20/Sep/2024 06:57AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 20/Sep/2024 10:57AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	ſ	
Test Name	Value	Unit	Biological Reference interval

Test Name	value	Unit	Biological Reference Interval
RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	6-8	/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)	ABSENT		ABSENT

*** End Of Report ***





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