



	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant P			Pathology)	
NAME	: Mrs. POONAM SRIVASTAV				
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1806716	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:0125032	60019
REFERRED BY	:		REGISTRATION DATE	:26/Mar/20	025 09:16 AM
BARCODE NO.	: 01527779		COLLECTION DATE		025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:26/Mar/2	025 10:12AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL/	A CANTT			
Test Name	V	alue	Unit	Bi	ological Reference interval
	SWASTHV	A WF	LLNESS PANEL: 1	2	
			OOD COUNT (CBC)	.4	
RED BLOOD CELI	LS (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H		12.6	gm/dL	1	2.0 - 16.0
by CALORIMETRIC		1.25		2	50 5.00
RED BLOOD CELL by HYDRO DYNAMIC F	(RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	4.35	Millions/	cmm 3	.50 - 5.00
PACKED CELL VOI		39.5	%	3	7.0 - 50.0
	UTOMATED HEMATOLOGY ANALYZER LAR VOLUME (MCV)	91	fL	8	0.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER		iL		
	LAR HAEMOGLOBIN (MCH)	29	pg	2	7.0 - 34.0
MEAN CORPUSCU	LAR HEMOGLOBIN CONC. (MCHC)	31.9 ^L	g/dL	3	2.0 - 36.0
-	UTOMATED HEMATOLOGY ANALYZER BUTION WIDTH (RDW-CV)	14	%	1	1.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER	14	70	1	1.00 - 10.00
	BUTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	47.6	fL	3	5.0 - 56.0
MENTZERS INDEX		20.92	RATIO	E	BETA THALASSEMIA TRAIT: <
by CALCULATED					3.0
					RON DEFICIENCY ANEMIA: 13.0
GREEN & KING IN	DEX	92.01	RATIO		BETA THALASSEMIA TRAIT:
by CALCULATED					= 65.0
					RON DEFICIENCY ANEMIA: > 5.0
WHITE BLOOD CI	ELLS (WBCS)			-	
TOTAL LEUCOCYT		5280	/cmm	4	000 - 11000
,	' BY SF CUBE & MICROSCOPY BLOOD CELLS (nRBCS)	NIL		Ω	.00 - 20.00
by AUTOMATED 6 PAR	RT HEMATOLOGY ANALYZER				
NUCLEATED RED	BLOOD CELLS (nRBCS) %	NIL	%	<	c 10 %
			Λ		





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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mrs. POONAM SRIVASTAV			
AGE/ GENDER	: 59 YRS/FEMALE	PATIE	NT ID	: 1806716
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Tart Name		X7 - 1	T I	D:-1:1 D-f
Test Name		Value	Unit	Biological Reference interval
•	AUTOMATED HEMATOLOGY ANALYZER JEUCOCYTE COUNT (DLC)			
NEUTROPHILS		48 ^L	%	50 - 70
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	43 ^H	%	20 - 40
EOSINOPHILS	RY BY SF CUBE & MICROSCOPY	3	%	1 - 6
by FLOW CYTOMETR MONOCYTES	RY BY SF CUBE & MICROSCOPY	6	%	2 - 12
	Y BY SF CUBE & MICROSCOPY	0	70	2 - 12
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
•	XOCYTES (WBC) COUNT			
ABSOLUTE NEUT		2534	/cmm	2000 - 7500
	RY BY SF CUBE & MICROSCOPY	2270	100000	800 4000
ABSOLUTE LYMP by FLOW CYTOMETR	RY BY SF CUBE & MICROSCOPY	2270	/cmm	800 - 4900
ABSOLUTE EOSIN	NOPHIL COUNT BY BY SF CUBE & MICROSCOPY	158	/cmm	40 - 440
ABSOLUTE MONO		317	/cmm	80 - 880
	OTHER PLATELET PREDICTI	VE MARKERS.		
PLATELET COUN	T (PLT)	242000	/cmm	150000 - 450000
PLATELETCRIT ()		0.29	%	0.10 - 0.36
MEAN PLATELET	. ,	12	fL	6.50 - 12.0
PLATELET LARG	FOCUSING, ELECTRICAL IMPEDENCE E CELL COUNT (P-LCC)	96000 ^H	/cmm	30000 - 90000
	FOCUSING, ELECTRICAL IMPEDENCE E CELL RATIO (P-LCR)	39.9	%	11.0 - 45.0
by HYDRO DYNAMIC	FOCUSING, ELECTRICAL IMPEDENCE			
by HYDRO DYNAMIC	IBUTION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE	16	%	15.0 - 17.0
NOTE: TEST CONDU	JCTED ON EDTA WHOLE BLOOD			



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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

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BARCODE NO.	:01527779		COLLECTION DATE	: 26/Mar/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 26/Mar/2025 10:54AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA CANTI	ſ	
Test Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SED	IMENTATION RATE	(ESR)
by RED CELL AGGREG INTERPRETATION: 1. ESR is a non-specifi- immune disease, but of 2. An ESR can be affect as C-reactive protein 3. This test may also b systemic lupus erythe CONDITION WITH LOV A low ESR can be seer (polycythaemia), signi as sickle cells in sickle	does not tell the health practitione ted by other conditions besides in he used to monitor disease activity matosus / ESR o with conditions that inhibit the n	er exactly when flammation. F and response ormal sedime nt (leucocytos	re the inflammation is in th or this reason, the ESR is ty e to therapy in both of the a ntation of red blood cells, s	ion associated with infection, cancer and auto-
 2. Generally, ESR does 3. CRP is not affected I 4. If the ESR is elevate 5. Women tend to have 6. Drugs such as dextr 	protein (C-RP) are both markers of s not change as rapidly as does CRI by as many other factors as is ESR, d, it is typically a result of two typ re a higher ESR, and menstruation an, methyldopa, oral contraceptive d quinine may decrease it	P, either at the making it a be les of proteins and pregnancy	e start of inflammation or a etter marker of inflammation , globulins or fibrinogen. y can cause temporary eleva	n.





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BARCODE NO.	: 01527779	COLLECT	TION DATE	: 26/Mar/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	ING DATE	: 26/Mar/2025 12:07PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINIC	AL CHEMISTRY/	BIOCHEMIST	RY
		GLUCOSE FASTI	NG (F)	
GLUCOSE FASTIN by GLUCOSE OXIDAS	G (F): PLASMA e - peroxidase (god-pod)	122.1 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0





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KOS Diagnostic Lab (A Unit of KOS Healthcare)

		Chopra v & Microbiology) onsultant Pathologis		(Pathology)
AGE/ GENDER: 59COLLECTED BY: SUREFERRED BY:BARCODE NO.: 01CLIENT CODE.: KO	rs. POONAM SRIVASTA YRS/FEMALE RJESH 527779 OS DIAGNOSTIC LAB 349/1, NICHOLSON ROAJ		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1806716 : 012503260019 : 26/Mar/2025 09:16 AM : 26/Mar/2025 09:34AM : 26/Mar/2025 12:25PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TOTAL: by CHOLESTEROL OXIDASE		160.07	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERU by GLYCEROL PHOSPHATE		115.79	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (D by SELECTIVE INHIBITION	IRECT): SERUM	66.03	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SE by CALCULATED, SPECTRO		70.88	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTERO		94.04	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: S		23.16	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by CALCULATED, SPECTRO		435.93	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RA	ATIO: SERUM	2.42	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		hopra & Microbiology) onsultant Pathologist		(Pathology)
NAME	: Mrs. POONAM SRIVASTAV	/		
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1806716
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 26/Mar/2025 12:25PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: S by CALCULATED, SPE		1.07	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	1.75 ^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.

 Cow 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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Dr. Yugam Chopra

MD (Pathology)

	Chairman & Consultar	nt Pathologist	CEO & Consultant F	Pathologist
NAME	: Mrs. POONAM SRIVASTAV			
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BARCODE NO.	: 01527779	(COLLECTION DATE	: 26/Mar/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	H	REPORTING DATE	: 26/Mar/2025 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			TEST (COMPLETE)	
BILIRUBIN TOTAL:		0.38	mg/dL	INFANT: 0.20 - 8.00
by DIAZOTIZATION, SP		0.12	. 17	ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM CTROPHOTOMETRY	0.25	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYF		18.38	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYF		17.79	U/L	0.00 - 49.00
AST/ALT RATIO: SI	ERUM	1.03	RATIO	0.00 - 46.00
ALKALINE PHOSPH		75	U/L	40.0 - 150.0
GAMMA GLUTAM by SZASZ, SPECTROP	YL TRANSFERASE (GGT): SERUM htometry	1 22	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTROF		6.6	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GF		3.8	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPEC	[2.8	gm/dL	2.30 - 3.50
A : G RATIO: SERUI by CALCULATED, SPEC	Μ	1.36	RATIO	1.00 - 2.00

INTERPRETATION

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

Dr. Vinay Chopra

MD (Pathology & Microbiology)

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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NAME	: Mrs. POONAM SRIVASTAV			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value Un	it	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Sligh	ntly Increased)	

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).

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

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CLIENT ADDRESS :	034971, NICHOLSON ROAD, AN	VIDALA CAN I		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTI	ON TEST (COMPLETI	E)
UREA: SERUM		24.61	mg/dL	10.00 - 50.00
	E DEHYDROGENASE (GLDH)	21.01	ing/ dL	10.00 50.00
CREATININE: SERUM		0.68	mg/dL	0.40 - 1.20
by ENZYMATIC, SPECTR				
BLOOD UREA NITRO		11.5	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	16.91	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPECT				
UREA/CREATININE F by CALCULATED, SPECT		36.19	RATIO	
URIC ACID: SERUM	NOT HOTOMETRY	5.3	mg/dL	2.50 - 6.80
by URICASE - OXIDASE F	PEROXIDASE	010	ing az	2.00 0.00
CALCIUM: SERUM		9.88	mg/dL	8.50 - 10.60
by ARSENAZO III, SPECT PHOSPHOROUS: SER		3.42	mg/dL	2.30 - 4.70
	E, SPECTROPHOTOMETRY	5.42	iiig/uL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		139.62	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE E				
POTASSIUM: SERUM		4.52	mmol/L	3.50 - 5.00
by ISE (ION SELECTIVE E CHLORIDE: SERUM	ELECTRODE)	104.72	mmol/L	90.0 - 110.0
by ISE (ION SELECTIVE E	ELECTRODE)	104.72	IIIII0/L	<i>y</i> 0.0 - 110.0
ESTIMATED GLOME	ERULAR FILTERATION RAT	<u>'E</u>		
ESTIMATED GLOME	RULAR FILTERATION RATE	E 100.3		
(eGFR): SERUM				
by CALCULATED				
INTERPRETATION:	n pre- and post renal azotemia.			

Dr. Vinay Chopra

MD (Pathology & Microbiolog

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.



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ARCODE NO.	:01527779			DLLECTION DATE	: 26/Mar/2025 09:3	
LIENT CODE.	: KOS DIAGN			EPORTING DATE	: 26/Mar/2025 12:2	25PM
LIENT ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMBA	LA CANT'T			
Fest Name			Value	Unit	Biological	l Reference interval
ourns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	exia, high fever a (e.g. ureter co hass (subnorma tetracycline, g 20:1) WITH ELEV a (BUN rises dis superimposed	lostomy) l creatinine production) lucocorticoids) /ATED CREATININE LEVEL proportionately more th on renal disease.	S:		icosis, Cushing's syndrom bathy).	ne, high protein diet,
burns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (> 1. Postrenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet an 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 INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in	exia, high fever a (e.g. ureter co hass (subnorma tetracycline, g 20:1) WITH ELEV a (BUN rises dis superimposed 10:1) WITH DEC rosis. and starvation. e. creased urea s (urea rather th monemias (urea finappropiate 10:1) WITH INC apy (accelerate: eleases muscle who develop r b: osis (acetoaceta acreased BUN/co	lostomy) l creatinine production) lucocorticoids) ATED CREATININE LEVEL proportionately more th on renal disease. REASED BUN : an creatinine diffuses ou a is virtually absent in b antidiuretic harmone) d REASED CREATININE: a conversion of creatine e creatinine). enal failure. tte causes false increase reatinine ratio).	S: han creatinine ut of extracell blood). lue to tubular to creatinine) in creatinine) (e.g. obstructive uro; ular fluid). secretion of urea.		
urns, surgery, cache . Urine reabsorptior . Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (> 2 . Postrenal azotemia DECREASED RATIO (. Acute tubular necr . Low protein diet al . Severe liver diseas . Other causes of de . Repeated dialysis . Inherited hyperam . SIADH (syndrome of . Pregnancy. DECREASED RATIO (. Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin the	exia, high fever a (e.g. ureter co hass (subnorma tetracycline, g 20:1) WITH ELEV a (BUN rises dis superimposed 10:1) WITH DEC rosis. Ind starvation. e. creased urea s (urea rather th monemias (urea of inappropiate 10:1) WITH INC apy (accelerates eleases muscle who develop r b: sis (acetoaceta creased BUN/or rapy (interferes	lostomy) l creatinine production) lucocorticoids) ATED CREATININE LEVEL proportionately more th on renal disease. REASED BUN : ynthesis. an creatinine diffuses ou a is virtually absent in b antidiuretic harmone) d REASED CREATININE: conversion of creatine creatinine). enal failure. tte causes false increase reatinine ratio). with creatinine measure	S: han creatinine ut of extracell blood). lue to tubular to creatinine) in creatinine) (e.g. obstructive uro; ular fluid). secretion of urea.	bathy).	
urns, surgery, cache . Urine reabsorptior . Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia Prerenal azotemia ECREASED RATIO (< . Acute tubular necr . Low protein diet a . Severe liver diseas . Other causes of de . Repeated dialysis . Inherited hyperam . SIADH (syndrome of . Pregnancy. ECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIC . Diabetic ketoacido hould produce an in . Cephalosporin the	exia, high fever a (e.g. ureter co hass (subnorma tetracycline, g 20:1) WITH ELEV a (BUN rises dis superimposed 10:1) WITH DEC tosis. and starvation. e. creased urea s (urea rather th amonemias (urea of inappropiate 10:1) WITH INC apy (accelerates eleases muscle who develop r c. basis (acetoaceta creased BUN/or rapy (interferes JLAR FILTERATI	lostomy) l creatinine production) lucocorticoids) ATED CREATININE LEVEL proportionately more th on renal disease. REASED BUN : ynthesis. an creatinine diffuses ou a is virtually absent in b antidiuretic harmone) d REASED CREATININE: conversion of creatine creatinine). enal failure. tte causes false increase reatinine ratio). with creatinine measure	S: han creatinine ut of extracell blood). lue to tubular to creatinine) in creatinine ement).) (e.g. obstructive urop ular fluid). secretion of urea.	bathy).	
Curine reabsorption Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia DECREASED RATIO (>2 Acute tubular necr Composition diet an Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin the STIMATED GLOMER	exia, high fever a (e.g. ureter co hass (subnorma tetracycline, g 20:1) WITH ELEV a (BUN rises dis superimposed 10:1) WITH DEC rosis. and starvation. e. creased urea s (urea rather th amonemias (urea finappropiate 10:1) WITH INC apy (accelerate: eleases muscle who develop r b creased BUN/or rapy (interferes JLAR FILTERATI	lostomy) l creatinine production) lucocorticoids) ATED CREATININE LEVEL proportionately more th on renal disease. REASED BUN : ynthesis. an creatinine diffuses ou a is virtually absent in b antidiuretic harmone) of REASED CREATININE: s conversion of creatine e creatinine). enal failure. tte causes false increase reatinine ratio). with creatinine measure DN RATE:	S: han creatinine ut of extracell blood). lue to tubular to creatinine) in creatinine ement).) (e.g. obstructive urop ular fluid). secretion of urea. with certain methodo min/1.73m2) A	bathy). logies,resulting in norma	

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	



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

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	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mrs. POONAM SRIVASTAV		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1806716
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503260019
REFERRED BY	:	REGISTRATION DATE	: 26/Mar/2025 09:16 AM
BARCODE NO.	: 01527779	COLLECTION DATE	: 26/Mar/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 26/Mar/2025 12:25PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	
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 Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist			(Pathology)
NAME	: Mrs. POONAM SRIVASTAV			
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1806716
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BARCODE NO.	: 01527779		COLLECTION DATE	: 26/Mar/2025 09:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 26/Mar/2025 12:08PM
CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD, AMI	Value	Unit	Biological Reference interval
	THYR		RINOLOGY CTION TEST: TOTAL	
TRIIODOTHYRON by CMIA (CHEMILUMIN	INE (T3): SERUM IESCENT MICROPARTICLE IMMUNOASSA'	0.985 Y)	ng/mL	0.35 - 1.93
THYROXINE (T4): by CMIA (CHEMILUMIN	SERUM IESCENT MICROPARTICLE IMMUNOASSA'	8.38 Y)	µgm/dL	4.87 - 12.60
	ATING HORMONE (TSH): SERU IESCENT MICROPARTICLE IMMUNOASSA RASENSITIVE		µIU/mL	0.35 - 5.50
day has influence on the triiodothyronine (T3).Fai		imulates the p	roduction and secretion of the m	m. The variation is of the order of 50%.Hence time of the etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or

CLINICAL CONDITION	Т3	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 (e.g.: phenytoin , salicylates).

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

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

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





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DR.YUGAM CHOPRA

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





hcare)	EXCELLENCE IN HEALTHCARE & DIAGNOSTICS
ogy) ologist	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME	: Mrs. POONAM SRIVASTAV		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1806716
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Test Name			Value	Unit		Biological Reference interval
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35- 5.50	
	RECOM	IMENDATIONS OF TSH LE	VELS DURING PRE	GNANCY (µIU/mL)	<u>.</u>	
	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.

Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Path

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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: 59 YRS/FEMALE **PATIENT ID** : SURJESH REG. NO./LAB NO. **REGISTRATION DATE** :01527779 **COLLECTION DATE** : KOS DIAGNOSTIC LAB **REPORTING DATE CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit Test Name **CLINICAL PATHOLOGY** PHYSICAL EXAMINATION QUANTITY RECIEVED 10 ml by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PALE YELLOW COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY HAZY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY 1.02 by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY **CHEMICAL EXAMINATION** REACTION ACIDIC by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SUGAR Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY pН 5.5 by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN

Dr. Vinay Chopra

MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

5.0 - 7.5 Negative NEGATIVE (-ve) by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. Normal EU/dL 0.2 - 1.0by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) Negative by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY Negative NEGATIVE (-ve) by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NEGATIVE (-ve) NEGATIVE (-ve)

ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY

MICROSCOPIC EXAMINATION



NITRITE

BLOOD

UROBILINOGEN

KETONE BODIES

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NAME AGE/ GENDER **COLLECTED BY REFERRED BY BARCODE NO.** CLIENT CODE.

AMBALA CANTT

FEST PERFORMED AT KOS DIAGNOSTIC LAB.

: Mrs. POONAM SRIVASTAV

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

> :1806716 :012503260019 : 26/Mar/2025 09:16 AM : 26/Mar/2025 09:34AM

: 26/Mar/2025 10:54AM

Biological Reference interval

PALE YELLOW

1.002 - 1.030

NEGATIVE (-ve)

NEGATIVE (-ve)

CLEAR

URINE ROUTINE & MICROSCOPIC EXAMINATION





KOS Diagnostic Lab (A Unit of KOS Healthcare)



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

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

NAME	: Mrs. POONAM SRIVASTAV			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	ÍBALA CANTT		
				/
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELL	S (RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	8-10	/HPF	0 - 5
EPITHELIAL CELL by MICROSCOPY ON (S CENTRIFUGED URINARY SEDIMENT	4-5	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON C	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 C	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)

TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

ABSENT





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ABSENT