



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultan	obiology)		(Pathology)	
GE/ GENDER : 7 OLLECTED BY : S EFERRED BY : ARCODE NO. : 0 LIENT CODE. : K	Irs. SANTOSH SALGOTRA 0 YRS/FEMALE URJESH 1525312 OS DIAGNOSTIC LAB 349/1, NICHOLSON ROAD, AMB/	ALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	:11/Feb/2	10016 025 10:46 AM 025 01:20PM 025 01:32PM
Cest Name		Value	Unit	Bi	iological Reference interval
RED BLOOD CELLS (RI			LLNESS PANEL: 1.1 00D COUNT (CBC)	~	
IAEMOGLOBIN (HB)		10.6 ^L	gm/dL	1	2.0 - 16.0
ED BLOOD CELL (RBC		4	Millions	/cmm 3	.50 - 5.00
ACKED CELL VOLUME	SING, ELECTRICAL IMPEDENCE (PCV) MATED HEMATOLOGY ANALYZER	33 ^L	%	3	7.0 - 50.0
IEAN CORPUSCULAR V		82.5	fL	8	0.0 - 100.0
IEAN CORPUSCULAR I	HAEMOGLOBIN (MCH) MATED HEMATOLOGY ANALYZER	26.6 ^L	pg	2	7.0 - 34.0
IEAN CORPUSCULAR I	HEMOGLOBIN CONC. (MCHC) MATED HEMATOLOGY ANALYZER	32.2	g/dL	3	2.0 - 36.0
ED CELL DISTRIBUTIO		13.7	%	1	1.00 - 16.00
ED CELL DISTRIBUTI		42.4	fL	3	5.0 - 56.0
IENTZERS INDEX		20.63	RATIO	1 II	ETA THALASSEMIA TRAIT: < 3.0 RON DEFICIENCY ANEMIA: 13.0
REEN & KING INDEX by calculated	(WRCS)	28.36	RATIO	B 6 II	ETA THALASSEMIA TRAIT:<= 5.0 RON DEFICIENCY ANEMIA: > 5.0
OTAL LEUCOCYTE CO	UNT (TLC)	6950	/cmm	4	000 - 11000
by FLOW CYTOMETRY BY S		NIL		0	.00 - 20.00
		INIL			





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

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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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

 www.koshealthcare.com
 www.koshealthcare.com



Page 1 of 15





Dr. Vinay Chopra



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

NAME	: Mrs. SANTOSH SALGOTRA		
AGE/ GENDER	: 70 YRS/FEMALE	PATIENT ID	: 1752704
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502110016
REFERRED BY	:	REGISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	: 01525312	COLLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Feb/2025 01:32PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	2	

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	44 ^L	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	38	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8 ^H	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	10	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3058	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2641	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	556 ^H	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	695	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	346000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.45 ^H	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	166000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	48.1 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	15.7	%	15.0 - 17.0



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

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SANTOSH SALGOTRA			
AGE/ GENDER	: 70 YRS/FEMALE	PA	TIENT ID	: 1752704
COLLECTED BY	: SURJESH	RI	EG. NO./LAB NO.	: 012502110016
REFERRED BY	:	RI	GISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	: 01525312	CC	LLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 11/Feb/2025 01:59PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SEDIME	ENTATION RATE (ESR)
ERYTHROCYTE SEI	DIMENTATION RATE (ESR)	39 ^H	mm/1st	
	GATION BY CAPILLARY PHOTOMETRY	39		
(polycythaemia), sigr as sickle cells in sickl NOTE: 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	e protein (C-RP) are both markers o s not change as rapidly as does CRF by as many other factors as is ESR , ed, it is typically a result of two typ ve a higher ESR, and menstruation a	nt (leucocytosis) , , , , either at the sta making it a better es of proteins, glo and pregnancy car	and some protein abno art of inflammation or a marker of inflammation bulins or fibrinogen. a cause temporary eleva	ormalities. Šome changes in red cell shape (such s it resolves. n.





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

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







	M	r. Vinay Chopr D (Pathology & Mic airman & Consulta	robiology)		(Pathology)
NAME	: Mrs. SANTOSH	SALGOTRA			
AGE/ GENDER	: 70 YRS/FEMAL	E		PATIENT ID	: 1752704
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	: 012502110016
REFERRED BY	:			REGISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	:01525312			COLLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOST	IC LAB		REPORTING DATE	: 11/Feb/2025 01:21PM
CLIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AMB	ALA CANTT		
Test Name			Value	Unit	Biological Reference interval
		CLINICAL	CHEMIS	TRY/BIOCHEMIST	RY
			GLUCOSE	FASTING (F)	
GLUCOSE FASTIN	G (F): PLASMA Se - peroxidase (go	D-POD)	152.6 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

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.

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.



an

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

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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





KOS Diagnostic Lab (A Unit of KOS Healthcare)

SO 9001 : 2008 CERT	IFIED LAB		EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS
	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. SANTOSH SALGOTRA : 70 YRS/FEMALE : SURJESH : : 01525312 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1752704 : 012502110016 : 11/Feb/2025 10:46 AM : 11/Feb/2025 01:20PM : 11/Feb/2025 01:53PM
Test Name		Value	Unit	Biological Reference interval
CHOLESTEROL TO by CHOLESTEROL O		LIPID PR 133.41	OFILE : BASIC mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	87.36	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM TION	71.31	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO		44.63	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 CHOLES' by CALCULATED, SPE		62.1	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 CHOLESTER(17.47	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF	RUM	354.18	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		1.87	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
			^	



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

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

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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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

 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		hopra & Microbiology) nsultant Pathologis		(Pathology)
NAME	: Mrs. SANTOSH SALGOTRA			
AGE/ GENDER	: 70 YRS/FEMALE		PATIENT ID	: 1752704
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502110016
REFERRED BY	:		REGISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	:01525312		COLLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Feb/2025 01:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTI	ſ	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		0.63	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	1.23 ^L	RATIO	3.00 - 5.00

<u>INTERPRETATION:</u> 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





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

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

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







COLLECTION DATE

REPORTING DATE

Dr. Yugam Chopra

MD (Pathology)

:1752704

:012502110016

:11/Feb/2025 10:46 AM

:11/Feb/202501:20PM

:11/Feb/2025 01:53PM

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mrs. SANTOSH SALGOTRA : 70 YRS/FEMALE **PATIENT ID** : SURJESH REG. NO./LAB NO. : **REGISTRATION DATE**

BARCODE NO. :01525312 CLIENT CODE. : KOS DIAGNOSTIC LAB

CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
LIVER	FUNCTION TEST (CO	MPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.37	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.25	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	17.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	19	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.93	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para Nitrophenyl phosphatase by amino methyl propanol	92.41	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	32.18	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.18	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.12	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.06	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.35	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)





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

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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



NAME

AGE/ GENDER

COLLECTED BY

REFERRED BY





AGE/ GENDER : 70 YRS/FEMALE PATIENT ID : 1752704 COLLECTED BY : SURJESH REG. NO./LAB NO. : 012502110016 REFERRED BY : III/Feb/2025 10:46 AM
AGE/ GENDER : 70 YRS/FEMALE PATIENT ID : 1752704
NAME : Mrs. SANTOSH SALGOTRA

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).

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



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

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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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







		Chopra & Microbiology) onsultant Pathologist	Dr. Yugam C MD (Pa CEO & Consultant Pa	athology)	
NAME	: Mrs. SANTOSH SALGOTRA	A			
AGE/ GENDER	: 70 YRS/FEMALE	РАТ	IENT ID	: 1752704	
COLLECTED BY	Y : SURJESH	REG	NO./LAB NO.	: 012502110016	
REFERRED BY	· · ·	REG	ISTRATION DATE	: 11/Feb/2025 10:46 AM	
BARCODE NO.	: 01525312	COL	LECTION DATE	: 11/Feb/2025 01:20PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 11/Feb/2025 02:01PM	
CLIENT ADDR	ESS : 6349/1, NICHOLSON ROAI	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	кп	DNEY FUNCTION T	EST (COMPLETE)		
UREA: SERUM		30.29	mg/dL	10.00 - 50.00	
by UREASE - G	LUTAMATE DEHYDROGENASE (GLDH)		Ũ		
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		1.03	mg/dL	0.40 - 1.20	
BLOOD UREA NITROGEN (BUN): SERUM		14.15	mg/dL	7.0 - 25.0	
by CALCULATED, SPECTROPHOTOMETRY					
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM		13.74	RATIO	10.0 - 20.0	
	D, SPECTROPHOTOMETRY				
UREA/CREATININE RATIO: SERUM		29.41	RATIO		
URIC ACID: SH	D, SPECTROPHOTOMETRY	4.31	mg/dL	2.50 - 6.80	
by URICASE - C	XIDASE PEROXIDASE				
CALCIUM: SEI	RUM III, SPECTROPHOTOMETRY	9.4	mg/dL	8.50 - 10.60	
PHOSPHOROU		4.14	mg/dL	2.30 - 4.70	
by PHOSPHOM	OLYBDATE, SPECTROPHOTOMETRY				
ELECTROLYT					
SODIUM: SER	UM LECTIVE ELECTRODE)	145.4	mmol/L	135.0 - 150.0	
POTASSIUM: S		5.93 ^H	mmol/L	3.50 - 5.00	
by ISE (ION SEL	ECTIVE ELECTRODE)				
CHLORIDE: SH	ERUM .ective electrode)	109.05	mmol/L	90.0 - 110.0	
	GLOMERULAR FILTERATION RA	<u>TE</u>			
(eGFR): SERU by CALCULATE	D N:				
To differentiate	between nre- and nost renal azotem	ia			

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.



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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





AGE/ GENDER : 70 YF COLLECTED BY : SURJI REFERRED BY : BARCODE NO. : 0152 CLIENT CODE. : KOS I CLIENT ADDRESS : 6349 Test Name 4. High protein intake. 5. Impaired renal function plu 6. Excess protein intake or pro- burns, surgery, cachexia, high 7. Urine reabsorption (e.g. ure 8. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyc INCREASED RATIO (>20:1) WIT 1. Postrenal azotemia (BUN ri 2. Prerenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. 2. Low protein diet and starva 3. Severe liver disease. 4. Other causes of decreased 5. Repeated dialysis (urea rat 6. Inherited hyperammonemi	25312 DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBALA us oduction or tissue breakdown (en fever). eter colostomy) pnormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS: ises disproportionately more tha posed on renal disease. TH DECREASED BUN : ation.	alue Un .g. infection, GI bleeding, the : n creatinine) (e.g. obstructiv	DATE : 11/Feb/2025 10 TE : 11/Feb/2025 02 TE : 11/Feb/2025 02 nit Biologi yrotoxicosis, Cushing's syndr	0:46 AM 1:20PM 2:01PM ical Reference interval
COLLECTED BY : SURJI REFERRED BY : BARCODE NO. : 0152 CLIENT CODE. : KOS I CLIENT ADDRESS : 6349 Test Name 4. High protein intake. 5. Impaired renal function plu 6. Excess protein intake or pro burns, surgery, cachexia, high 7. Urine reabsorption (e.g. ure 8. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyc INCREASED RATIO (>20:1) WIT 1. Postrenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. 2. Low protein diet and starva 3. Severe liver disease. 4. Other causes of decreased 5. Repeated dialysis (urea rat 6. Inherited hyperammonemi	ESH 25312 DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBALA 9/1, NICHOLSON RO	REG. NO./LAB NO. REGISTRATION I COLLECTION DAT REPORTING DAT A CANTT alue Un .g. infection, GI bleeding, the : n creatinine) (e.g. obstructiv	D. : 01250211001 DATE : 11/Feb/2025 10 TE : 11/Feb/2025 02 TE : 11/Feb/2025 02 Mit Biologi yrotoxicosis, Cushing's syndr	0:46 AM 1:20PM 2:01PM ical Reference interval
REFERRED BY : BARCODE NO. : 0152 CLIENT CODE. : KOS I CLIENT ADDRESS : 6349 Test Name : 4. High protein intake. : 5. Impaired renal function plu : 6. Excess protein intake or produrms, surgery, cachexia, high : 7. Urine reabsorption (e.g. ure) : 8. Reduced muscle mass (sub) : 9. Certain drugs (e.g. tetracyc) NCREASED RATIO (>20:1) WIT 1. Postrenal azotemia (BUN ri) : 2. Prerenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. : 2. Low protein diet and starva : 3. Severe liver disease. : 4. Other causes of decreased : 5. Repeated dialysis (urea rat : 6. Inherited hyperammonemi :	25312 DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBALA us oduction or tissue breakdown (en fever). eter colostomy) pnormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS: ises disproportionately more tha posed on renal disease. TH DECREASED BUN : ation.	REGISTRATION I COLLECTION DAT REPORTING DAT A CANTT alue Un .g. infection, GI bleeding, thy : n creatinine) (e.g. obstructiv	DATE : 11/Feb/2025 10 TE : 11/Feb/2025 02 TE : 11/Feb/2025 02 nit Biologi yrotoxicosis, Cushing's syndr	0:46 AM 1:20PM 2:01PM ical Reference interval
REFERRED BY : BARCODE NO. : 0152 CLIENT CODE. : KOS I CLIENT ADDRESS : 6349 Test Name : 4. High protein intake. : 5. Impaired renal function plu : 6. Excess protein intake or produrms, surgery, cachexia, high : 7. Urine reabsorption (e.g. ure) : 8. Reduced muscle mass (sub) : 9. Certain drugs (e.g. tetracyc) NCREASED RATIO (>20:1) WIT 1. Postrenal azotemia (BUN ri) : 2. Prerenal azotemia superim DECREASED RATIO (<10:1) WIT	25312 DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBALA us oduction or tissue breakdown (en fever). eter colostomy) pnormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS: ises disproportionately more tha posed on renal disease. TH DECREASED BUN : ation.	REGISTRATION I COLLECTION DAT REPORTING DAT A CANTT alue Un .g. infection, GI bleeding, thy : n creatinine) (e.g. obstructiv	DATE : 11/Feb/2025 10 TE : 11/Feb/2025 02 TE : 11/Feb/2025 02 nit Biologi yrotoxicosis, Cushing's syndr	0:46 AM 1:20PM 2:01PM ical Reference interval
ARCODE NO. : 0152 CLIENT CODE. : KOS I CLIENT ADDRESS : 6349 CLIENT ADDRESS : 6349 CEST Name I. High protein intake. Impaired renal function plu Excess protein intake or pro purns, surgery, cachexia, high Curine reabsorption (e.g. ure Reduced muscle mass (sub Certain drugs (e.g. tetracyc NCREASED RATIO (>20:1) WIT Postrenal azotemia superim DECREASED RATIO (>10:1) WIT Acute tubular necrosis. Low protein diet and starva Severe liver disease. Cother causes of decreased Repeated dialysis (urea rat Dentited hyperammonemi	DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBAL/ us oduction or tissue breakdown (en n fever). eter colostomy) pnormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS: ises disproportionately more that aposed on renal disease. TH DECREASED BUN : ation.	COLLECTION DAT REPORTING DAT A CANTT alue Un .g. infection, GI bleeding, the : n creatinine) (e.g. obstructiv	TE : 11/Feb/2025 02 TE : 11/Feb/2025 02 nit Biologi yrotoxicosis, Cushing's syndr	1:20PM 2:01PM ical Reference interval
CLIENT CODE. : KOS I CLIENT ADDRESS : 6349 CLIENT ADDRESS : 6349 CEST Name 4. High protein intake. 5. Impaired renal function plu 6. Excess protein intake or pro- burns, surgery, cachexia, high 7. Urine reabsorption (e.g. ure 8. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyce NCREASED RATIO (>20:1) WIT 1. Postrenal azotemia (BUN ri 2. Prerenal azotemia (BUN ri 2. Prerenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. 2. Low protein diet and starva 3. Severe liver disease. 4. Other causes of decreased 5. Repeated dialysis (urea rat 5. Inherited hyperammonemi	DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBAL/ us oduction or tissue breakdown (en n fever). eter colostomy) pnormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS: ises disproportionately more that aposed on renal disease. TH DECREASED BUN : ation.	REPORTING DAT	TE : 11/Feb/2025 02 nit Biologi yrotoxicosis, Cushing's syndr	2:01PM ical Reference interval
CLIENT ADDRESS : 6349 Test Name 4. High protein intake. 5. Impaired renal function plu 6. Excess protein intake or pro- burns, surgery, cachexia, high 7. Urine reabsorption (e.g. ure 8. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyc NCREASED RATIO (>20:1) WIT 1. Postrenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. 2. Low protein diet and starva 3. Severe liver disease. 4. Other causes of decreased 5. Repeated dialysis (urea rat 5. Inherited hyperammonemi	9/1, NICHOLSON ROAD, AMBALA US oduction or tissue breakdown (en n fever). eter colostomy) ponormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS ises disproportionately more than posed on renal disease. TH DECREASED BUN : ation. urea synthesis.	A CANTT alue Un .g. infection, GI bleeding, the : n creatinine) (e.g. obstructiv	nit Biologi yrotoxicosis, Cushing's syndr	ical Reference interval
Test Name 4. High protein intake. 5. Impaired renal function plu 6. Excess protein intake or pro- burns, surgery, cachexia, high 7. Urine reabsorption (e.g. ure 8. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyc NCREASED RATIO (>20:1) WIT 1. Postrenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. 2. Low protein diet and starva 3. Severe liver disease. 4. Other causes of decreased 5. Repeated dialysis (urea rat 5. Inherited hyperammonemi	US oduction or tissue breakdown (en fever). eter colostomy) onormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS ises disproportionately more tha oposed on renal disease. TH DECREASED BUN : ation.	alue Un .g. infection, GI bleeding, the : n creatinine) (e.g. obstructiv	yrotoxicosis, Cushing's syndr	
 High protein intake. Impaired renal function plus. Excess protein intake or proburns, surgery, cachexia, high 7. Urine reabsorption (e.g. ures. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyce NCREASED RATIO (>20:1) WIT Postrenal azotemia (BUN ris. Prerenal azotemia superim DECREASED RATIO (<10:1) WIT Acute tubular necrosis. Low protein diet and starva Severe liver disease. Other causes of decreased Repeated dialysis (urea rat 5. Inherited hyperammonemi 	us oduction or tissue breakdown (en n fever). eter colostomy) onormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS ises disproportionately more tha nposed on renal disease. TH DECREASED BUN : ation.	.g. infection, GI bleeding, the : n creatinine) (e.g. obstructiv	yrotoxicosis, Cushing's syndr	
5. Impaired renal function plu 5. Excess protein intake or pro- burns, surgery, cachexia, high 7. Urine reabsorption (e.g. ure 8. Reduced muscle mass (sub 9. Certain drugs (e.g. tetracyc NCREASED RATIO (>20:1) WIT 1. Postrenal azotemia (BUN ri 2. Prerenal azotemia superim DECREASED RATIO (<10:1) WIT 1. Acute tubular necrosis. 2. Low protein diet and starva 3. Severe liver disease. 4. Other causes of decreased 5. Repeated dialysis (urea rat 5. Inherited hyperammonemi	oduction or tissue breakdown (en fever). eter colostomy) phormal creatinine production) cline, glucocorticoids) TH ELEVATED CREATININE LEVELS : ises disproportionately more tha pposed on renal disease. TH DECREASED BUN : ation.	: n creatinine) (e.g. obstructiv		rome, high protein diet,
 B. Pregnancy. DECREASED RATIO (<10:1) WIT 1. Phenacimide therapy (acce 2. Rhabdomyolysis (releases n 3. Muscular patients who dev INAPPROPIATE RATIO: 1. Diabetic ketoacidosis (acet should produce an increased 2. Cephalosporin therapy (interesting of the second sec	ias (urea is virtually absent in blo ropiate antidiuretic harmone) du TH INCREASED CREATININE: elerates conversion of creatine to muscle creatinine). velop renal failure. toacetate causes false increase in BUN/creatinine ratio). erferes with creatinine measurer TERATION RATE: DESCRIPTION Normal kidney function Kidney damage with normal or high GFR	bod). e to tubular secretion of ure o creatinine). n creatinine with certain me ment). GFR (mL/min/1.73m2) >90 >90		
G3a	Mild decrease in GFR	60 -89		1
G3b G4		20 50		
	Moderate decrease in GFR Severe decrease in GFR	<u>30-59</u> 15-29		





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

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

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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana

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

 www.koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	crobiology) M	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. SANTOSH SALGOTRA		
AGE/ GENDER	: 70 YRS/FEMALE	PATIENT ID	: 1752704
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502110016
REFERRED BY	:	REGISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	: 01525312	COLLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Feb/2025 02:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA 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



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

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

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







		hopra & Microbiology) nsultant Pathologist	M	m Chopra D (Pathology) It Pathologist	
NAME	: Mrs. SANTOSH SALGOTRA				
AGE/ GENDER	: 70 YRS/FEMALE		PATIENT ID	: 1752704	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:012502110016	
REFERRED BY	:		REGISTRATION DATE	: 11/Feb/2025 10:46 AM	
BARCODE NO.	:01525312		COLLECTION DATE	: 11/Feb/2025 01:20PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Feb/2025 01:53PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference in	nterval
	Т		RINOLOGY FION TEST: TOTAL		
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNO.	1.041 ASSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): S	SERUM iescent microparticle immuno.	9.76 ASSAY)	µgm/dl	4.87 - 12.60	
	TING HORMONE (TSH): SER		µIU/mI	0.35 - 5.50	
3rd GENERATION, ULT	RASENSITIVE				
INTERPRETATION:					
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations.	TSH stimulates the pro	duction and secretion of the	pm. The variation is of the order of 50%.Hence netabolically active hormones, thyroxine (T4) ner underproduction (hypothyroidism) or	
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or Lo	w Normal	Normal or Low Normal	High	

LIMITATIONS:-

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

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





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

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

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



Reduced (at times undetectable)

Reduced

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mrs. SANTOSH SALGOTRA		
AGE/ GENDER	: 70 YRS/FEMALE	PATIENT ID	: 1752704
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502110016
REFERRED BY	:	REGISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	: 01525312	COLLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Feb/2025 01:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name			Value	Unit		Biological Reference interval
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





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







	Dr. Vinay Ch MD (Pathology & Chairman & Con:	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SANTOSH SALGOTRA			
AGE/ GENDER	: 70 YRS/FEMALE	PATIEN	T ID	: 1752704
COLLECTED BY	: SURJESH	REG. NO)./LAB NO.	: 012502110016
REFERRED BY	:	REGIST	RATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	:01525312		TION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		FING DATE	: 11/Feb/2025 01:37PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	OLOGY	
	URINE RO	UTINE & MICROSCO	OPIC EXAMIN	ATION
PHYSICAL EXAMIN	ATION			
QUANTITY RECIEVE		10	ml	
by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY			
TRANSPARANCY by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY		<=1.005		1.002 - 1.030
by DIP STICK/REFLECT CHEMICAL EXAMIN	TANCE SPECTROPHOTOMETRY			
REACTION		ACIDIC		
by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
рН	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
KETONE BODIES				NEGATIVE (-ve)
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
RED BLOOD CELLS		NEGATIVE (-ve)	/HPF	0 - 3



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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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



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

NAME	: Mrs. SANTOSH SALGOTRA			
AGE/ GENDER	: 70 YRS/FEMALE		PATIENT ID	: 1752704
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502110016
REFERRED BY	:		REGISTRATION DATE	: 11/Feb/2025 10:46 AM
BARCODE NO.	:01525312		COLLECTION DATE	: 11/Feb/2025 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Feb/2025 01:37PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EDITUELIAL CELL	n	0.4	/IIDE	ADCENT

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 ***



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

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

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

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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



Page 15 of 15