

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mrs. PHOOL KUMAR SONI				
AGE/ GENDER	: 67 YRS/FEMALE		PATIENT ID	: 1725273	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:012501160021	
REFERRED BY	:		REGISTRATION DATE	: 16/Jan/2025 10:32	2 AM
BARCODE NO.	: 01523952		COLLECTION DATE	: 16/Jan/2025 10:37	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Jan/2025 10:58	SAM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANTT			
Test Name		Value	Unit	Biological	Reference interval
	SWAST	HYA WE	LLNESS PANEL: GI	r	
	COMP	PLETE BL	OOD COUNT (CBC)		
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H	B)	12.8	gm/dL	12.0 - 16.	0
by CALORIMETRIC RED BLOOD CELL ((RBC) COUNT	4.61	Millions	/cmm 3.50 - 5.0	0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE				
PACKED CELL VOL	UME (PUV) AUTOMATED HEMATOLOGY ANALYZER	39	%	37.0 - 50.	0
MEAN CORPUSCUL	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	84.6	fL	80.0 - 100	0.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	27.9	pg	27.0 - 34.	0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)	32.9	g/dL	32.0 - 36.	0
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	14	%	11.00 - 10	3.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	44.4	fL	35.0 - 56.	0
by CALCULATED BY A MENTZERS INDEX	NUTOMATED HEMATOLOGY ANALYZER	18.35	RATIO	BETA TH	ALASSEMIA TRAIT: <
by CALCULATED				13.0	
				1RON DEI > 13.0	FICIENCY ANEMIA:
GREEN & KING INI	DEX	25.82	RATIO		ALASSEMIA TRAIT:<=
by CALCULATED				65.0 IRON DEI	FICIENCY ANEMIA: >
				65.0	
WHITE BLOOD CE		7500			000
TOTAL LEUCOCYTE	E COUNT (TLC) y by sf cube & microscopy	7560	/cmm	4000 - 11	000
	BLOOD CELLS (nRBCS) rt hematology analyzer	NIL		0.00 - 20.	00
NUCLEATED RED E	BLOOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %	
n a su a s					





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
 www.koshealthcare.com



Page 1 of 15



NAME



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

AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1725273
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501160021
REFERRED BY	:	REGISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	COLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Jan/2025 10:58AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTI	ſ	

Dr. Vinay Chopra

: Mrs. PHOOL KUMAR SONI

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS	58	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	34	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	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	4385	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2570	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	302	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	302	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by flow cytometry by SF cube & microscopy	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	325000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.34	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	10	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	92000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	28.4	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.2	%	15.0 - 17.0



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

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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mrs. PHOOL KUMAR SONI		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1725273
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501160021
REFERRED BY	:	REGISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	COLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Jan/2025 10:58AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval





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







	Dr. Vinay Che MD (Pathology & Chairman & Cons		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. PHOOL KUMAR SONI			
AGE/ GENDER	: 67 YRS/FEMALE	PATIE	INT ID	: 1725273
COLLECTED BY	: SURJESH	REG. N	IO./LAB NO.	: 012501160021
REFERRED BY	•	REGIS	TRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952		ECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 16/Jan/2025 01:20PM
CLIENT CODE. CLIENT ADDRESS			KIING DATE	. 10/ Jail/ 2023 01.201 W
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CAN I I		
Test Name		Value	Unit	Biological Reference interv
CI VCOSVI ΛΤΈΡ ΠΛ	EMOGLOBIN (HbA1c):	U	0.1	
WHOLE BLOOD		6.6 ^H	%	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	6.6 ⁿ 142.72 ^H	% mg/dL	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA	RMANCE LIQUID CHROMATOGRAPHY) IGE PLASMA GLUCOSE			
WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERA by HPLC (HIGH PERFO	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)		mg/dL	
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	142.72 ^H DIABETES ASSOCIATION (mg/dL	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	142.72 ^H DIABETES ASSOCIATION (mg/dL ADA): ATED HEMOGLOGIB <5.7	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	142.72 ^H DIABETES ASSOCIATION (mg/dL ADA): ATED HEMOGLOGIB <5.7 5.7 - 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	142.72 ^H DIABETES ASSOCIATION (mg/dL ADA): 	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	142.72 ^H	mg/dL ADA): ATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) biagnosing Diabetes	142.72 ^H DIABETES ASSOCIATION (GLYCOSYI	mg/dL ADA): <u>ATED HEMOGLOGIB</u> <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years Tapy:	60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFO. ESTIMATED AVERA by HPLC (HIGH PERFO. INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	142.72 ^H	mg/dL ADA): <u>ATED HEMOGLOGIB</u> <5.7 5.7 – 6.4 >= 6.5 Age > 19 Years Tapy:	60.00 - 140.00 (HBAIC) in %

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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 appropiate.

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 faisely 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.



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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Cl MD (Pathology & Chairman & Cor		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. PHOOL KUMAR SONI			
AGE/ GENDER	: 67 YRS/FEMALE	PA	TIENT ID	: 1725273
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012501160021
REFERRED BY	:	RE	GISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	CO	LLECTION DATE	: 16/Jan/2025 10:37AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 16/Jan/2025 12:02PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHI	ROCYTE SEDIME	NTATION RATE (ESR)
ERYTHROCYTE SEI	DIMENTATION RATE (ESR)	32 ^H	mm/1st	
(polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 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	W ESR n with conditions that inhibit th ificantly high white blood cell c e cell anaemia) also lower the f e protein (C-RP) are both market is not change as rapidly as does by as many other factors as is Es ed, it is typically a result of two ve a higher ESR, and menstruati	ount (leucocytosis), a ESR. rs of inflammation. CRP, either at the star SR, making it a better types of proteins, glol on and pregnancy can	nd some protein abno t of inflammation or a marker of inflammation pulins or fibrinogen. cause temporary eleva	n.





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

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







		D (Pathology & I airman & Consi	Microbiology) ultant Pathologist		(Pathology) Pathologist
NAME	: Mrs. PHOOL K	UMAR SONI			
AGE/ GENDER	: 67 YRS/FEMAL	E		PATIENT ID	: 1725273
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	: 012501160021
REFERRED BY	:			REGISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	:01523952			COLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOST	TC LAB		REPORTING DATE	: 16/Jan/2025 11:24AM
CLIENT ADDRESS	: 6349/1, NICHC	LSON ROAD, A	MBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
		CLINIC	AL CHEMIST	FRY/BIOCHEMIST	'RY
			GLUCOSE	FASTING (F)	
GLUCOSE FASTING	G (F): PLASMA Se - peroxidase (go	D-POD)	104.49 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. PHOOL KUMAR SON : 67 YRS/FEMALE : SURJESH : : 01523952 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAE]] []]	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1725273 : 012501160021 : 16/Jan/2025 10:32 AM : 16/Jan/2025 10:37AM : 16/Jan/2025 12:26PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		150.03	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	145.24	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBITI		39.59	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		81.39	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 CHOLEST by calculated, spe		110.44	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 CHOLESTERC		29.05	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	UM	445.3	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	3.79	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.





	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. PHOOL KUMAR SONI			
AGE/ GENDER	: 67 YRS/FEMALE	P	ATIENT ID	: 1725273
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012501160021
REFERRED BY	:	R	EGISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	C	OLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 16/Jan/2025 12:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by calculated, spe		2.06	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	3.67	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





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







	Dr. Vinay Chopi MD (Pathology & Mic Chairman & Consulta	crobiology)	Dr. Yugam MD (CEO & Consultant	Pathology)
NAME	: Mrs. PHOOL KUMAR SONI			
AGE/ GENDER	: 67 YRS/FEMALE	PA	TIENT ID	: 1725273
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012501160021
REFERRED BY	:	RE	GISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	CO	LLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 16/Jan/2025 11:24AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL: by DIAZOTIZATION, SF	SERUM PECTROPHOTOMETRY	0.43	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	(CONJUGATED): SERUM	0.21	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM CTROPHOTOMETRY	0.22	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY		12.49	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY		14.3	U/L	0.00 - 49.00
AST/ALT RATIO: SI	ERUM	0.87	RATIO	0.00 - 46.00
ALKALINE PHOSPH		145	U/L	40.0 - 150.0
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM	24	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRON		7.43	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GI	REEN	4.54	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	[2.89	gm/dL	2.30 - 3.50
	_			

A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

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

1.57





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

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

RATIO

1.00 - 2.00



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

INTERPRETATION





	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	licrobiology)	gam Chopra MD (Pathology) Itant Pathologist
NAME	: Mrs. PHOOL KUMAR SONI		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1725273
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501160021
REFERRED BY	:	REGISTRATION DAT	E : 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	COLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Jan/2025 11:24AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA CANTT	
Test Name		Value Unit	Biological Reference interval

DECREASED:

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

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

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) 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







130 9001 . 2000 CENT					
	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	Microbiology) MD (Pathology)			
NAME	: Mrs. PHOOL KUMAR SONI				_
AGE/ GENDER	: 67 YRS/FEMALE	PA	TIENT ID	: 1725273	
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012501160021	
REFERRED BY	:	RE	GISTRATION DATE	: 16/Jan/2025 10:32 AM	
BARCODE NO.	: 01523952		LLECTION DATE	: 16/Jan/2025 10:37AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 16/Jan/2025 11:24AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	KIDNE	Y FUNCTION 7	FEST (COMPLETE)		
UREA: SERUM by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)	25.67	mg/dL	10.00 - 50.00	
CREATININE: SERU	UM	0.79	mg/dL	0.40 - 1.20	
	COGEN (BUN): SERUM	12	mg/dL	7.0 - 25.0	
BLOOD UREA NITE	ROGEN (BUN)/CREATININE	15.19	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY				
UREA/CREATININ		32.49	RATIO		
URIC ACID: SERUM	1	3.7	mg/dL	2.50 - 6.80	
CALCIUM: SERUM by ARSENAZO III, SPE		9.76	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE		4.32	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM by ISE (ION SELECTIV		141.2	mmol/L	135.0 - 150.0	
POTASSIUM: SERU	M	4.53	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)		mmol/L	90.0 - 110.0	
	IERULAR FILTERATION RATE				
ESTIMATED GLOM (eGFR): SERUM by calculated INTERPRETATION:	ERULAR FILTERATION RATE	81.9			

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.



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

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

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

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

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

Page 11 of 15





	MD	: Vinay Chopra 9 (Pathology & Microt airman & Consultant			n Chopra) (Pathology) t Pathologist	
IAME	: Mrs. PHOOL K	UMAR SONI				
AGE/ GENDER	: 67 YRS/FEMALI	2	PATIENT I	D	: 1725273	
COLLECTED BY	: SURJESH		REG. NO./I	AB NO.	: 012501160021	1
REFERRED BY	·			FION DATE	: 16/Jan/2025 10:3	
	•					
BARCODE NO.	: 01523952		COLLECTIO		: 16/Jan/2025 10:3	
CLIENT CODE.	: KOS DIAGNOST		REPORTIN	G DATE	: 16/Jan/2025 11:2	24AM
LIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AMBAL	A CANTT			
Fest Name		I	/alue	Unit	Biologic	cal Reference interval
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	a (BUN rises disprop superimposed on r	D CREATININE LEVELS ortionately more that enal disease.	5: an creatinine) (e.g. obs	structive urop	athy).	
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 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 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in	20:1) WITH ELEVATE a (BUN rises disprop superimposed on r superimposed on r 10:1) WITH DECREAS osis. ad starvation. e. creased urea synth (urea rather than cr monemias (urea is of inappropiate anti 10:1) WITH INCREAS py (accelerates con eleases muscle created BUN/creat rapy (interferes with JLAR FILTERATION R Norma Norma	D CREATININE LEVELS cortionately more that enal disease. SED BUN : easis. eastinine diffuses our virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. auses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function ey damage with	an creatinine) (e.g. obs t of extracellular fluid) ood). ue to tubular secretion o creatinine). in creatinine with cert	ain methodol		nal ratio when dehydrati
NCREASED RATIO (>2 Postrenal azotemia Perenal 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 NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thei STIMATED GLOMERI CKD STAGE G1	20:1) WITH ELEVATE a (BUN rises disprop superimposed on r 10:1) WITH DECREAS osis. ad starvation. e. creased urea synth (urea rather than cr monemias (urea is of inappropiate anti 10:1) WITH INCREAS py (accelerates con eleases muscle creas who develop renal : sis (acetoacetate ca creased BUN/creat rapy (interferes with JLAR FILTERATION R Norma Kidne norm	D CREATININE LEVELS cortionately more that enal disease. ED BUN : easis. eastinine diffuses our virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. auses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function	an creatinine) (e.g. obs t of extracellular fluid) ood). ue to tubular secretion o creatinine). in creatinine with cert ment). GFR (mL/min/1.73 >90	ain methodol	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria resence of Protein ,	
NCREASED RATIO (>2 . Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< . Acute tubular necr 2. Low protein diet and 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 7. Phenacimide thera 8. Muscular patients NAPPROPIATE RATIO . Diabetic ketoacido hould produce an in 2. Cephalosporin thei <u>STIMATED GLOMERI</u> <u>G1</u> <u>G2</u> <u>G3a</u> <u>G3a</u> <u>G3b</u>	20:1) WITH ELEVATE a (BUN rises disprop superimposed on r 10:1) WITH DECREAS osis. ad starvation. e. creased urea synth (urea rather than cr monemias (urea is of inappropiate anti 10:1) WITH INCREAS py (accelerates con eleases muscle creas who develop renal : sis (acetoacetate ca creased BUN/creat apy (interferes with JLAR FILTERATION R Norma Norma Mid o Modera	D CREATININE LEVELS cortionately more that enal disease. ED BUN : easis. eastinine diffuses our virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. eauses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function ey damage with hal or high GFR decrease in GFR te decrease in GFR	an creatinine) (e.g. obs t of extracellular fluid) ood). ue to tubular secretion o creatinine). in creatinine with cert ment). GFR (mL/min/1.73 >90 >90 60 -89 30-59	ain methodol	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria resence of Protein ,	
NCREASED RATIO (>2 . Postrenal azotemia Decreased RATIO (< . Acute tubular necreased . Acute tubular necreased . Low protein diet and . Severe liver disease . Other causes of december . Severe liver disease . Other causes of december . SIADH (syndrome of . Pregnancy. DECREASED RATIO (< . Phenacimide therate . Rhabdomyolysis (r . Muscular patients NAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin therate <u>STIMATED GLOMERI</u> <u>G1</u> <u>G2</u> <u>G3a</u>	20:1) WITH ELEVATE a (BUN rises disprop superimposed on r 10:1) WITH DECREAS osis. ad starvation. e. creased urea synth (urea rather than cr monemias (urea is of inappropiate anti 10:1) WITH INCREAS py (accelerates con eleases muscle creas who develop renal : sis (acetoacetate ca creased BUN/creat apy (interferes with JLAR FILTERATION R Norma Kidne norm Mild of Nodera Severe	D CREATININE LEVELS cortionately more that enal disease. ED BUN : easis. eastinine diffuses our virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. auses false increase inine ratio). n creatinine measure ATE: ESCRIPTION I kidney function ey damage with hal or high GFR decrease in GFR	an creatinine) (e.g. obs t of extracellular fluid) ood). ue to tubular secretion o creatinine). in creatinine with cert ment). GFR (mL/min/1.73 >90 >90 60 -89	ain methodol	ogies,resulting in norm SSOCIATED FINDINGS No proteinuria resence of Protein ,	





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

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









	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mrs. PHOOL KUMAR SONI		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1725273
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501160021
REFERRED BY	:	REGISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	COLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Jan/2025 11:24AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
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







	1	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant		Dr. Yugam Chopra MD (Pathology) gist CEO & Consultant Pathologist		
NAME	: Mrs. PHOOL	KUMAR SONI				
AGE/ GENDER	: 67 YRS/FEMA	ALE		PATIENT ID	: 1725273	
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	:012501160021	
REFERRED BY	:			REGISTRATION DATE	: 16/Jan/2025 10:32 AM	
BARCODE NO.	:01523952			COLLECTION DATE	: 16/Jan/2025 10:37AM	
CLIENT CODE.	: KOS DIAGNO	STIC LAB		REPORTING DATE	: 16/Jan/2025 11:50AM	
CLIENT ADDRESS	: 6349/1, NICH	HOLSON ROAD, AMBA	LA CANTT	2		
Test Name			Value	Unit	Biological Reference	interval
		1	ENDOC	RINOLOGY		
		THYRO	ID FUNC	TION TEST: TOTAL		
TRIIODOTHYRONIN	(-)	[] RTICLE IMMUNOASSAY)	0.75	ng/mL	0.35 - 1.93	
THYROXINE (T4): S		RTICLE IMMUNOASSAY)	6.49	µgm/d	L 4.87 - 12.60	
THYROID STIMULA		IE (TSH): SERUM RTICLE IMMUNOASSAY)	3.669	µIU/m	L 0.35 - 5.50	
3rd GENERATION, ULT						
INTERPRETATION:						
day has influence on the r	<i>measured serum TSF</i> lure at any level of r	<i>l concentrations</i> . TSH stimu regulation of the hypothala	lates the pr	oduction and secretion of the	pm. The variation is of the order of 50%.Henc metabolically active hormones, thyroxine (T- her underproduction (hypothyroidism) or	
		T3		T4	TSH	
Primary Hypothyroidisr	n:	Reduced		Reduced	Increased (Significantly)	
Subclinical Hypothyroid	dism:	Normal or Low Normal		Normal or Low Normal	High	

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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

Increased

Normal or High Normal

Reduced (at times undetectable)

Reduced

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

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

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

TRIIODOTH	YRONINE (T3)	THYROXINE (T4)		THYROID STIMU	LATING 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







	Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Path	C, /	(Pathology)
NAME	: Mrs. PHOOL KUMAR SONI		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1725273
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501160021
REFERRED BY	:	REGISTRATION DATE	: 16/Jan/2025 10:32 AM
BARCODE NO.	: 01523952	COLLECTION DATE	: 16/Jan/2025 10:37AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Jan/2025 11:50AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	le Unit	Biological Reference interval

Test Name		Value Unit			Biological Reference interv		
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		
	RECO	MMENDATIONS OF TSH LI	EVELS 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

*** End Of Report *





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

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

