



	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant			(Pathology)	
NAME	: Mrs. HARDEEP KAUR				
AGE/ GENDER	: 60 YRS/FEMALE		PATIENT ID	: 181764	0
COLLECTED BY	:		REG. NO./LAB NO.	:01250	4040036
REFERRED BY	:		REGISTRATION DATE	:04/Apr	/2025 11:53 AM
BARCODE NO.	:01528351		COLLECTION DATE	:04/Apr	/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:04/Apr	/2025 12:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAI	LA CANTT			
Test Name		Value	Unit		Biological Reference interval
	SWASTH	YA WE	LLNESS PANEL: 1	1.0	
	COMPL	ETE BL	OOD COUNT (CBC)		
RED BLOOD CELI	LS (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (H	B)	12.3	gm/dL		12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL	(RBC) COUNT	4.29	Millions	s/cmm	3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			" ennin	
PACKED CELL VOI	LUME (PCV) UTOMATED HEMATOLOGY ANALYZER	37.3	%		37.0 - 50.0
MEAN CORPUSCUI	LAR VOLUME (MCV)	87	fL		80.0 - 100.0
-	UTOMATED HEMATOLOGY ANALYZER	28.7	pg		27.0 - 34.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER				
	LAR HEMOGLOBIN CONC. (MCHC)) 33	g/dL		32.0 - 36.0
RED CELL DISTRIE	BUTION WIDTH (RDW-CV)	13.3	%		11.00 - 16.00
-	UTOMATED HEMATOLOGY ANALYZER BUTION WIDTH (RDW-SD)	43.5	fL		35.0 - 56.0
	UTOMATED HEMATOLOGY ANALYZER	+3.5	IL		
MENTZERS INDEX by CALCULATED		20.28	RATIO		BETA THALASSEMIA TRAIT: 13.0
Sy GALCOLATED					IS.0 IRON DEFICIENCY ANEMIA:
					>13.0
GREEN & KING IN by calculated	DEX	81.84	RATIO		BETA THALASSEMIA TRAIT: <= 65.0
.,					IRON DEFICIENCY ANEMIA:
					65.0
WHITE BLOOD CI					
FOTAL LEUCOCYT by FLOW CYTOMETRY	TE COUNT (TLC) Y BY SF CUBE & MICROSCOPY	6330	/cmm		4000 - 11000
NUCLEATED RED I	BLOOD CELLS (nRBCS)	NIL			0.00 - 20.00
	RT HEMATOLOGY ANALYZER				





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 Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE	PATIEN	NT ID	: 1817640
COLLECTED BY		REC N	O./LAB NO.	: 012504040036
REFERRED BY	:		FRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351		CTION DATE	: 04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		TING DATE	: 04/Apr/2025 12:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER			
DIFFERENTIAL L	<u>EUCOCYTE COUNT (DLC)</u>			
NEUTROPHILS		54	%	50 - 70
•	Y BY SF CUBE & MICROSCOPY	20		
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	39	%	20 - 40
EOSINOPHILS		1	%	1 - 6
	Y BY SF CUBE & MICROSCOPY		/0	1 0
MONOCYTES		6	%	2 - 12
	Y BY SF CUBE & MICROSCOPY	0		
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
-	OCYTES (WBC) COUNT			
		3418	lamm	2000 7500
ABSOLUTE NEUTH	Y BY SF CUBE & MICROSCOPY	3418	/cmm	2000 - 7500
ABSOLUTE LYMPI		2469	/cmm	800 - 4900
	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE EOSIN		63	/cmm	40 - 440
	Y BY SF CUBE & MICROSCOPY	290	100000	80 880
ABSOLUTE MONO	Y BY SF CUBE & MICROSCOPY	380	/cmm	80 - 880
ABSOLUTE BASOF		0	/cmm	0 - 110
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
PLATELETS AND	OTHER PLATELET PREDICTIV	<u>'E MARKERS.</u>		
PLATELET COUNT	Γ (PLT)	138000 ^L	/cmm	150000 - 450000
,	FOCUSING, ELECTRICAL IMPEDENCE			
PLATELETCRIT (P	PCT) FOCUSING, ELECTRICAL IMPEDENCE	0.18	%	0.10 - 0.36
MEAN PLATELET		13 ^H	fL	6.50 - 12.0
	FOCUSING, ELECTRICAL IMPEDENCE	13"		0.30 12.0
	E CELL COUNT (P-LCC)	71000	/cmm	30000 - 90000
-	OCUSING, ELECTRICAL IMPEDENCE			
	E CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	51.1 ^H	%	11.0 - 45.0
	IBUTION WIDTH (PDW)	17	%	15.0 - 17.0
		1 /	/0	15.0 17.0





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







	Dr. Vinay Cho MD (Pathology & I Chairman & Const	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE	PATI	ENT ID	: 1817640
COLLECTED BY	:	REG.	NO./LAB NO.	: 012504040036
REFERRED BY	:	REGI	STRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351	COLI	ECTION DATE	:04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	PRTING DATE	: 04/Apr/2025 12:20PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by HYDRO DYNAMIC F ADVICE	OCUSING, ELECTRICAL IMPEDENCE	KINDLY CO	ORRELATE CLINI	CALLY

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.



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.



		Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	M	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. HARDI	EEP KAUR			
AGE/ GENDER	: 60 YRS/FEM	ALE		PATIENT ID	: 1817640
COLLECTED BY	:			REG. NO./LAB NO.	: 012504040036
REFERRED BY	:			REGISTRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	:01528351			COLLECTION DATE	: 04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNO	STIC LAB		REPORTING DATE	: 04/Apr/2025 12:33PM
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AM	BALA CANTT		
Test Name			Value	Unit	Biological Reference interval
ERYTHROCYTE SEDIMENTATION					hr 0 - 20 tion associated with infection, cancer and auto- he body or what is causing it. ypically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count ormalities. Some changes in red cell shape (such as it resolves. on. vations.





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

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







MD (Patholo	gy & Microbiology)	MD	(Pathology)
: Mrs. HARDEEP KAUR			
: 60 YRS/FEMALE		PATIENT ID	: 1817640
:		REG. NO./LAB NO.	: 012504040036
:		REGISTRATION DATE	: 04/Apr/2025 11:53 AM
: 01528351		COLLECTION DATE	:04/Apr/2025 11:59AM
: KOS DIAGNOSTIC LAB		REPORTING DATE	: 04/Apr/2025 02:08PM
: 6349/1, NICHOLSON RO.	AD, AMBALA CANTT		
	Value	Unit	Biological Reference interval
	452.3 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
ucose level below 100 mg/d ucose level between 100 - 1 on of 75 gms of alucose) is re	l is considered norma 25 mg/dl is considere	ed as glucose intolerant or uch patients.	
	MD (Patholo Chairman & : Mrs. HARDEEP KAUR : 60 YRS/FEMALE : : : 01528351 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON RO CLIN G (F): PLASMA E - PEROXIDASE (GOD-POD)	: Mrs. HARDEEP KAUR : 60 YRS/FEMALE : : 01528351 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Value CLINICAL CHEMIS GLUCOSE G (F): PLASMA E - PEROXIDASE (GOD-POD) HAMERICAN DIABETES ASSOCIATION GUIDELINES: ucose level below 100 mg/dl is considered norma ucose level below 100 mg/dl is considered norma	MD (Pathology & Microbiology) Chairman & Consultant Pathologist Mrs. HARDEEP KAUR : 60 YRS/FEMALE : 60 YRS/FEMALE : 01528351 : 01528351 : 01528351 : 01528351 : 01528351 : 01528351 : 01528351 : 01528351 : 011528351 : 011528355 : 01152835 : 011528355 : 01152835 : 01152835

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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



Page 5 of 14





		hopra & Microbiology) onsultant Pathologist		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. HARDEEP KAUR : 60 YRS/FEMALE : : : 01528351 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD		PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1817640 : 012504040036 : 04/Apr/2025 11:53 AM : 04/Apr/2025 11:59AM : 04/Apr/2025 01:33PM
Test Name		Value	Unit	Biological Reference interval
			FILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OXI		105.73	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSPH	ERUM HATE OXIDASE (ENZYMATIC)	52.22	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM on	52.31	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPEC		42.98	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'		53.42	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		10.44	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEE		263.68 ^L	mg/dL	350.00 - 700.00
by CALCULATED, SPEC		2.02	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0



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



Page 6 of 14





		C hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE	PAT	IENT ID	: 1817640
COLLECTED BY	:	REG	NO./LAB NO.	: 012504040036
REFERRED BY	:	REG	ISTRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351	COL	LECTION DATE	: 04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 04/Apr/2025 01:33PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, 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		0.82	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 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

1.Measurements in the same patient can show physiological& analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol. 2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

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





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 Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE		PATIENT ID	: 1817640
COLLECTED BY	:		REG. NO./LAB NO.	: 012504040036
REFERRED BY	:		REGISTRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351		COLLECTION DATE	: 04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 04/Apr/2025 02:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME			. 04/ Api / 2023 02.031 M
CLIENT ADDRESS	. 0349/ I, NICHOLSON KOAD, AME	DALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	LIVER I	FUNCTIO	N TEST (COMPLETE))
BILIRUBIN TOTAL by DIAZOTIZATION, SH	: SERUM PECTROPHOTOMETRY	1.01	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM	0.32	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	ECT (UNCONJUGATED): SERUM	0.69	mg/dL	0.10 - 1.00
SGOT/AST: SERUN by IFCC, WITHOUT PY	Л /RIDOXAL PHOSPHATE	131.6 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	1 RIDOXAL PHOSPHATE	236.3 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.56	RATIO	0.00 - 46.00
ALKALINE PHOSP by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	85.11	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTROF	YL TRANSFERASE (GGT): SERUN PHTOMETRY	M 69.73 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS by BIURET, SPECTRO	: SERUM	7.07	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		3.86	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	M	3.21	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	JM	1.2	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





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 Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugam (MD (P D & Consultant Pa	athology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT I	D	: 1817640
COLLECTED BY	:	REG. NO./I	AB NO.	: 012504040036
REFERRED BY	:	REGISTRA	FION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351	COLLECTIO	N DATE	:04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	G DATE	: 04/Apr/2025 02:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	>1	.3 (Slightly Incre	ased)

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

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

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



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 Chop MD (Pathology & M Chairman & Consul	licrobiology)		(Pathology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE		PATIENT ID	: 1817640
COLLECTED BY	:		REG. NO./LAB NO.	: 012504040036
REFERRED BY	:		REGISTRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351		COLLECTION DATE	:04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:04/Apr/202502:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTIO	N TEST (COMPLET)	E)
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	55.59 ^H	mg/dL	10.00 - 50.00
CREATININE: SER	UM	1.01	mg/dL	0.40 - 1.20
BLOOD UREA NIT	ROGEN (BUN): SERUM	25.98 ^H	mg/dL	7.0 - 25.0
BLOOD UREA NIT RATIO: SERUM by CALCULATED, SPE	ROGEN (BUN)/CREATININE	25.72 ^H	RATIO	10.0 - 20.0
UREA/CREATININ	E RATIO: SERUM	55.04	RATIO	
URIC ACID: SERUN by URICASE - OXIDAS	h	3.85	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPE		8.59	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI by PHOSPHOMOLYBE	ERUM DATE, SPECTROPHOTOMETRY	4.52	mg/dL	2.30 - 4.70
<u>ELECTROLYTES</u>				
SODIUM: SERUM by ISE (ION SELECTIV	E ELECTRODE)	138.02	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4.62	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV		103.52	mmol/L	90.0 - 110.0
ESTIMATED GLO	MERULAR FILTERATION RAT	<u>'E</u>		
ESTIMATED GLON (eGFR): SERUM by CALCULATED	MERULAR FILTERATION RATE	63.7		
INTERPRETATION: To differentiate betw	een pre- and post renal azotemia.			

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.



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. HARI	EEP KAUR				
AGE/ GENDER	: 60 YRS/FEM	MALE]	PATIENT ID	: 1817640	
COLLECTED BY				REG. NO./LAB NO.	: 0125040400	196
	:					
REFERRED BY	:]	REGISTRATION DATI	E :04/Apr/2025	11:53 AM
BARCODE NO.	:01528351		(COLLECTION DATE	:04/Apr/2025	11:59AM
CLIENT CODE.	: KOS DIAGN	OSTIC LAB]	REPORTING DATE	:04/Apr/2025	02:44PM
CLIENT ADDRESS	·6349/1 NI	CHOLSON ROAD, A			1	
	. 0040/ 1, NI	CHOLSON ROAD, A				
Test Name			Value	Unit	Biolog	gical Reference interval
burns, surgery, cache: 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>2 0 1. Postrenal azotemia	ction plus ction productions (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEN (BUN rises dis	i. lostomy) l creatinine produc lucocorticoids) /ATED CREATININE I proportionately mo	tion) L EVELS:	n, GI bleeding, thyroto ne) (e.g. obstructive uro		drome, high protein diet,
5. Impaired renal func 6. Excess protein intal burns, surgery, caches 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 4. Other causes of dec 5. Repeated dialysis (f 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (fe	ction plus ee or productie kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DEC osis. d starvation. creased urea s urea rather th nonemias (ure f inappropiate 0:1) WITH INC oy (accelerates eleases muscle	I. Iostomy) I creatinine produc Iucocorticoids) /ATED CREATININE I proportionately mo on renal disease. REASED BUN : an creatinine diffus ea is virtually absen antidiuretic harmo REASED CREATININE is conversion of create e creatinine).	tion) LEVELS: pre than creatinin ses out of extrace it in blood). ine) due to tubula	ne) (e.g. obstructive un ellular fluid). ar secretion of urea.		drome, high protein diet,
5. Impaired renal func 6. Excess protein intal burns, surgery, caches 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>24 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 4. Other causes of dec 5. Repeated dialysis (f 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (f 3. Muscular patients v	ction plus ee or productie kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DEC osis. d starvation. creased urea s urea rather th nonemias (urea f inappropiate 0:1) WITH INCI oy (accelerates eleases muscle who develop r	I. Iostomy) I creatinine produc Iucocorticoids) /ATED CREATININE I proportionately mo on renal disease. REASED BUN : ynthesis. an creatinine diffus ea is virtually absen antidiuretic harmo REASED CREATININE is conversion of creat e creatinine). enal failure.	tion) LEVELS: pre than creatinin ses out of extrace it in blood). me) due to tubula :: atine to creatinine	ne) (e.g. obstructive un ellular fluid). ar secretion of urea. e).	opathy).	
5. Impaired renal func 6. Excess protein intal burns, surgery, caches 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 3. Severe liver disease 4. Other causes of det 5. Repeated dialysis (f 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (f 3. Muscular patients v INAPPROPIATE RATIO 1. Diabetic ketoacidos	ction plus ee or productie kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DEC osis. d starvation. creased urea s urea rather th nonemias (ure f inappropiate 0:1) WITH INCI oy (accelerates eleases muscle who develop r sis (acetoaceta	I. Iostomy) I creatinine product Iucocorticoids) /ATED CREATININE I proportionately mo on renal disease. REASED BUN : ynthesis. an creatinine diffus ea is virtually absen antidiuretic harmo REASED CREATININE is conversion of create e creatinine). enal failure.	tion) LEVELS: pre than creatinin ses out of extrace it in blood). me) due to tubula :: atine to creatinine	ne) (e.g. obstructive un ellular fluid). ar secretion of urea. e).	opathy).	drome, high protein diet, ormal ratio when dehydratio
5. Impaired renal func 6. Excess protein intal burns, surgery, caches 7. Urine reabsorption 8. Reduced muscle ma 9. Certain drugs (e.g. INCREASED RATIO (>24 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 4. Other causes of dec 5. Repeated dialysis (f 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (f 3. Muscular patients v	ction plus e or production kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed D:1) WITH DEC osis. d starvation. creased urea s urea rather th nonemias (urea f inappropiate D:1) WITH INCI oy (accelerates eleases muscle who develop r sis (acetoaceta creased BUN/c aby (interferes	I. Iostomy) I creatinine product Iucocorticoids) /ATED CREATININE I proportionately mo on renal disease. REASED BUN : ynthesis. an creatinine diffus ea is virtually absent antidiuretic harmo REASED CREATININE is conversion of create creatinine). enal failure. Atte causes false incri- rreatinine ratio). with creatinine metion.	tion) LEVELS: Dre than creatinin tes out of extrace it in blood). Dre) due to tubula time to creatining rease in creatining	ne) (e.g. obstructive un ellular fluid). ar secretion of urea. e).	opathy).	

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS	
G1	Normal kidney function	>90	No proteinuria	
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	G3b Moderate decrease in GFR			
G4	G4 Severe decrease in GFR			
G5	G5 Kidney failure			





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









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mrs. HARDEEP KAUR		
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT ID	: 1817640
COLLECTED BY	:	REG. NO./LAB NO.	: 012504040036
REFERRED BY	:	REGISTRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351	COLLECTION DATE	: 04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 04/Apr/2025 02:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	
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







	Dr. Vinay Ch e MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. HARDEEP KAUR			
AGE/ GENDER	: 60 YRS/FEMALE	PATIEN	NT ID	: 1817640
COLLECTED BY	:	REG. N	O./LAB NO.	: 012504040036
REFERRED BY	:	REGIST	FRATION DATE	: 04/Apr/2025 11:53 AM
BARCODE NO.	: 01528351	COLLECTION DATE		: 04/Apr/2025 11:59AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	:04/Apr/202505:19PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
		CLINICAL PATH	IOLOGY	
	URINE ROU	TINE & MICROSC	OPIC EXAMI	NATION
PHYSICAL EXAM	INATION			
QUANTITY RECIEV		10	ml	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	AMBER YELLOW	J	PALE YELLOW
	TANCE SPECTROPHOTOMETRY	TIMDER TELEO		
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVIT		1.01		1.002 - 1.030
-	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAN	<u>IINATION</u>			
REACTION by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	2.		
SUGAR by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	3+		NEGATIVE (-ve)
pH		<=5.0		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
NITRITE by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC KETONE BODIES	TANCE SPECTROPHOTOMETRY	Nagativo		NECATIVE (vo)
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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

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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

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

NAME	: Mrs. HARDEEP KAUR				
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT I	D	: 1817640	
COLLECTED BY	:	REG. NO./I	LAB NO.	: 012504040036	
REFERRED BY	:	REGISTRA	TION DATE	: 04/Apr/2025 11:53 AM	
BARCODE NO.	: 01528351	COLLECTI	ON DATE	: 04/Apr/2025 11:59AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	AGNOSTIC LAB REPORTING DATE		: 04/Apr/2025 05:19PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA 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	2-3	/HPF	0 - 5	
EPITHELIAL CELL by MICROSCOPY ON	S CENTRIFUGED URINARY SEDIMENT	3-5	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS		NEGATIVE (-ve)		NEGATIVE (-ve)	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

ABSENT

NEGATIVE (-ve)

NEGATIVE (-ve)





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



NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT