

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology)		(Pathology)
NAME	: Mr. HARTEJ SINGH			
AGE/ GENDER	: 50 YRS/MALE		PATIENT ID	: 1746165
COLLECTED BY	:		REG. NO./LAB NO.	:012502050011
REFERRED BY	:		REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978		COLLECTION DATE	: 05/Feb/2025 09:19AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Feb/2025 10:14AM
LIENI ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANT I		
Test Name		Value	Unit	Biological Reference interval
			LLNESS PANEL: 1.0 OOD COUNT (CBC)	0
RED BLOOD CELL	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H		16	gm/dL	12.0 - 17.0
by CALORIMETRIC			Ű	4 0.50 5.00
RED BLOOD CELL	(RBC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.5 ^H	Millions/	/cmm 3.50 - 5.00
PACKED CELL VOL	UME (PCV) automated hematology analyzer	46.7	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV)	84.8	fL	80.0 - 100.0
	AUTOMATED HEMATOLOGY ANALYZER	29	pg	27.0 - 34.0
	AUTOMATED HEMATOLOGY ANALYZER LAR HEMOGLOBIN CONC. (MCHC)	24.9		32.0 - 36.0
	AUTOMATED HEMATOLOGY ANALYZER	34.2	g/dL	32.0 - 36.0
	BUTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	12.9	%	11.00 - 16.00
RED CELL DISTRIE	SUTION WIDTH (RDW-SD)	41	fL	35.0 - 56.0
MENTZERS INDEX	AUTOMATED HEMATOLOGY ANALYZER	15.42	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IN	DEX	19.83	RATIO	BETA THALASSEMIA TRAIT:<=
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CE				
FOTAL LEUCOCYT	E COUNT (TLC) y by sf cube & microscopy	5300	/cmm	4000 - 11000
NUCLEATED RED I	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
•	RT HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL	%	< 10 %
	AUTOMATED HEMATOLOGY ANALYZER			





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 14





Dr. Yugam Chopra

CEO & Consultant Pathologist

MD (Pathology)

NAME : Mr. HARTEJ SINGH AGE/ GENDER : 50 YRS/MALE **PATIENT ID** :1746165 **COLLECTED BY** :012502050011 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :05/Feb/2025 09:01 AM **BARCODE NO.** :01524978 **COLLECTION DATE** :05/Feb/202509:19AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :05/Feb/202510:14AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 56 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 28 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ЯH EOSINOPHILS % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 2968 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1484 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 424/cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 424 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 267000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.26 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 10 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 63000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 23.511.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.3% by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

Dr. Vinay Chopra

MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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 Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mr. HARTEJ SINGH		
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID	: 1746165
COLLECTED BY	:	REG. NO./LAB NO.	: 012502050011
REFERRED BY	:	REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978	COLLECTION DATE	:05/Feb/202509:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 05/Feb/2025 10:14AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
			/
Test Name	Value	Unit	Biological Reference interval



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







HARTEJ SINGH RS/MALE 4978 DIAGNOSTIC LAB //1, NICHOLSON ROAD, AN ERYTHRO TATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of t tell the health practitione	REA REA CO REI MBALA CANTT Value OCYTE SEDIME 19	TIENT ID G. NO./LAB NO. GISTRATION DATE LLECTION DATE PORTING DATE Unit NTATION RATE (1 mm/1st	
4978 DIAGNOSTIC LAB / 1, NICHOLSON ROAD, AN ERYTHRO ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result o	REA REA CO REI MBALA CANTT Value OCYTE SEDIME 19	G. NO./LAB NO. GISTRATION DATE LLECTION DATE PORTING DATE Unit	: 012502050011 : 05/Feb/2025 09:01 AM : 05/Feb/2025 09:19AM : 05/Feb/2025 11:15AM Biological Reference interval ESR)
DIAGNOSTIC LAB /1, NICHOLSON ROAD, AN ERYTHRO ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	REALA CANTT MBALA CANTT Value DCYTE SEDIME 19	GISTRATION DATE LLECTION DATE PORTING DATE Unit	: 05/Feb/2025 09:01 AM : 05/Feb/2025 09:19AM : 05/Feb/2025 11:15AM Biological Reference interval ESR)
DIAGNOSTIC LAB /1, NICHOLSON ROAD, AN ERYTHRO ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	CO RE MBALA CANTT Value OCYTE SEDIME 19	LLECTION DATE PORTING DATE Unit NTATION RATE (1	: 05/Feb/2025 09:19AM : 05/Feb/2025 11:15AM Biological Reference interval ESR)
DIAGNOSTIC LAB /1, NICHOLSON ROAD, AN ERYTHRO ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	RE MBALA CANTT Value OCYTE SEDIME 19	PORTING DATE Unit NTATION RATE (1	: 05/Feb/2025 11:15AM Biological Reference interval ESR)
/1, NICHOLSON ROAD, AN ERYTHRO ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	MBALA CANTT Value DCYTE SEDIME 19	Unit NTATION RATE (1	Biological Reference interval ESR)
ERYTHRO ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	Value DCYTE SEDIME 19	NTATION RATE (ESR)
ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	DCYTE SEDIME 19	NTATION RATE (ESR)
ATION RATE (ESR) Y CAPILLARY PHOTOMETRY ecause an elevated result of	19		
other conditions besides in to monitor disease activity s onditions that inhibit the n high white blood cell cou aemia) also lower the ESR n (C-RP) are both markers of ang eas rapidly as does CR any other factors as is ESR, ypically a result of two typ her ESR, and menstruation	nflammation. For th y and response to the normal sedimentation int (leucocytosis), a conting inflammation. P, either at the star making it a better oses of proteins, glob and pregnancy can	is reason, the ESR is typ herapy in both of the a on of red blood cells, so and some protein abno rt of inflammation or as marker of inflammation coulins or fibrinogen. cause temporary eleva	pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves. n. utions.
ie h	er ESR, and menstruation yldopa, oral contracepti	er ESR, and menstruation and pregnancy can hyldopa, oral contraceptives, penicillamine p	pically a result of two types of proteins, globulins or fibrinogen. er ESR, and menstruation and pregnancy can cause temporary eleva hyldopa, oral contraceptives, penicillamine procainamide, theophy e may decrease it





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







	M	r. Vinay Cho D (Pathology & nairman & Cons			(Pathology)
NAME	: Mr. HARTEJ SI	NGH			
AGE/ GENDER	: 50 YRS/MALE			PATIENT ID	: 1746165
COLLECTED BY	:			REG. NO./LAB NO.	: 012502050011
REFERRED BY	:			REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	:01524978			COLLECTION DATE	:05/Feb/202509:19AM
CLIENT CODE.	: KOS DIAGNOST	TIC LAB		REPORTING DATE	:05/Feb/202511:13AM
CLIENT ADDRESS	: 6349/1, NICHO	OLSON ROAD, A	MBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
		CLINIC	AL CHEMIS	TRY/BIOCHEMIST	'RY
			GLUCOSE	FASTING (F)	
GLUCOSE FASTING		D-POD)	95.09	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



Page 5 of 14





		Chopra ry & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. HARTEJ SINGH			
AGE/ GENDER	: 50 YRS/MALE	PA	TIENT ID	: 1746165
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012502050011
REFERRED BY	:	RE	GISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978	CO	LLECTION DATE	:05/Feb/202509:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	:05/Feb/202511:16AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TO	TAL: SERUM	155.32	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX				BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	89.86	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	L (DIRECT): SERUM	44.89	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		92.46	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		110.43	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		17.97	mg/dL	0.00 - 45.00
by CALCULATED, SPE TOTAL LIPIDS: SER	RUM	400.5	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HE by CALCULATED, SPE	DL RATIO: SERUM	3.46	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Chopra & Microbiology) onsultant Patholog	M	m Chopra D (Pathology) nt Pathologist
NAME	: Mr. HARTEJ SINGH			
AGE/ GENDER	: 50 YRS/MALE		PATIENT ID	: 1746165
COLLECTED BY	:		REG. NO./LAB NO.	:012502050011
REFERRED BY	:		REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978		COLLECTION DATE	: 05/Feb/2025 09:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Feb/2025 11:16AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANT	Т	
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	2 ^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.

 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.
 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 Chop MD (Pathology & Mid Chairman & Consulta	crobiology)		(Pathology)
NAME	: Mr. HARTEJ SINGH			
AGE/ GENDER	: 50 YRS/MALE		PATIENT ID	: 1746165
COLLECTED BY	:		REG. NO./LAB NO.	:012502050011
REFERRED BY	:		REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	:01524978		COLLECTION DATE	: 05/Feb/2025 09:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Feb/2025 11:16AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	I TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.56	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.26	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.3	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[/RIDOXAL PHOSPHATE	22.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	36.5	U/L	0.00 - 49.00
AST/ALT RATIO: S		0.62	RATIO	0.00 - 46.00
ALKALINE PHOSPI		128.49	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	350.02 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.48	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.54	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	I ECTROPHOTOMETRY	2.94	gm/dL	2.30 - 3.50
A : G RATIO: SERU	M	1.54	RATIO	1.00 - 2.00

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:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 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



INTERPRETATION





	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultan	obiology) MD	(Pathology)
NAME	: Mr. HARTEJ SINGH		
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID	: 1746165
COLLECTED BY	:	REG. NO./LAB NO.	: 012502050011
REFERRED BY	:	REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978	COLLECTION DATE	: 05/Feb/2025 09:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:05/Feb/202511:16AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	
Tost Namo		Valuo Unit	Biological Potoronco intorval

	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).

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







30 9001 : 2008 CERT	IFIED LAB		EXCELLENCE IN HEALTHCARE & I	JIAGNOSTICS	
		hopra Dr. Yugam Chopra & Microbiology) MD (Pathology) nsultant Pathologist CEO & Consultant Pathologist		Pathology)	
NAME	: Mr. HARTEJ SINGH				
AGE/ GENDER	: 50 YRS/MALE	РАТ	TIENT ID	: 1746165	
COLLECTED BY	:	REG. NO./LAB NO.REGISTRATION DATE524978COLLECTION DATE		: 012502050011 : 05/Feb/2025 09:01 AM : 05/Feb/2025 09:19AM	
REFERRED BY	:				
BARCODE NO.	:01524978				
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	:05/Feb/202511:16AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	KIDNE	EY FUNCTION T	EST (COMPLETE)		
UREA: SERUM by urease - glutan	IATE DEHYDROGENASE (GLDH)	16.38	mg/dL	10.00 - 50.00	
CREATININE: SERU	UM	1.21	mg/dL	0.40 - 1.40	
by ENZYMATIC, SPEC	ROGEN (BUN): SERUM	7.65	mg/dL	7.0 - 25.0	
by CALCULATED, SPE	ECTROPHOTOMETRY		-		
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	6.32 ^L	RATIO	10.0 - 20.0	
by CALCULATED, SPE	ECTROPHOTOMETRY				
UREA/CREATININ by CALCULATED, SPE		13.54	RATIO		
URIC ACID: SERUM		5.82	mg/dL	3.60 - 7.70	
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.52		8.50 - 10.60	
by ARSENAZO III, SPE	CTROPHOTOMETRY	9.52	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE	ERUM DATE, SPECTROPHOTOMETRY	2.89	mg/dL	2.30 - 4.70	
ELECTROLYTES	JATE, SPECTROPHOTOMETRY				
SODIUM: SERUM by ISE (ION SELECTIV	/F FLECTRODE)	143.5	mmol/L	135.0 - 150.0	
POTASSIUM: SERU	M	4.31	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	1	107.63	mmol/L	90.0 - 110.0	
	IERULAR FILTERATION RATE				
(eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	72.9			
INTERPRETATION:					

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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
 www.koshealthcare.com





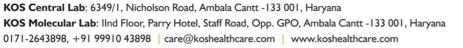


	Dr. Vinay Ch MD (Pathology & Chairman & Con	Microbiology)	Dr. Yugam Chopra MD (Pathology) t CEO & Consultant Pathologist			
NAME	: Mr. HARTEJ SINGH					
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID		: 1746165		
COLLECTED BY	:	REG. NO./LAE	NO.	:01250205001	1	
REFERRED BY		REGISTRATIO		: 05/Feb/2025 09		
BARCODE NO.						
	: 01524978	COLLECTION		: 05/Feb/2025 09		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING I	DATE	:05/Feb/202511	1:16AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT				
Test Name		Value	Unit	Biologic	cal Reference in	iterval
INCREASED RĂTIO (>2 1. Postrenal azotemia	hass (subnormal creatinine produ tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease.	LEVELS:	ctive uropati	ny).		
INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide therat 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin the	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diffu- imonemias (urea is virtually absection finappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ upy (accelerates conversion of creatine). who develop renal failure. bis (acetoacetate causes false in- creased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE: 	ELEVELS: nore than creatinine) (e.g. obstru- uses out of extracellular fluid). ent in blood). one) due to tubular secretion of IE: eatine to creatinine). crease in creatinine with certain neasurement). GFR (mL/min/1.73m2 tion >90	urea. methodolog	ies,resulting in norr DCIATED FINDINGS No proteinuria	mal ratio when de	ehydrati
NCREASED RATIO (>2 . Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< . Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 7. Phenacimide thera 8. Muscular patients NAPPROPIATE RATIO . Diabetic ketoacido hould produce an in 8. Cephalosporin thera STIMATED GLOMERI CKD STAGE G1	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diffu- imonemias (urea is virtually absection finappropiate antidiuretic harman 10:1) WITH INCREASED CREATININ py (accelerates conversion of creatine). who develop renal failure. bis (acetoacetate causes false in- creased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage with	ELEVELS: nore than creatinine) (e.g. obstru- uses out of extracellular fluid). ent in blood). one) due to tubular secretion of IE: eatine to creatinine). crease in creatinine with certain neasurement). GFR (mL/min/1.73m2 tion >90 th >90	urea. methodolog	ies,resulting in norr OCIATED FINDINGS		ehydrati
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 Neperated dialysis Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Anuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera STIMATED GLOMERI CKD STAGE G1	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diffu- imonemias (urea is virtually absection finappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ upy (accelerates conversion of creatine). who develop renal failure. bis (acetoacetate causes false in- creased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE: 	ELEVELS: nore than creatinine) (e.g. obstru- uses out of extracellular fluid). uses out of extracellular fluid). one) due to tubular secretion of le: eatine to creatinine). crease in creatinine with certain measurement). GFR (mL/min/1.73m2 tion >90 th >90 R	urea. methodolog	ies,resulting in norr DCIATED FINDINGS No proteinuria sence of Protein ,		ehydrati
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 2. Cephalosporin thera 5. CKD STAGE G1 G2	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually absect of inappropiate antidiuretic harm 10:1) WITH INCREASED CREATININ py (accelerates conversion of crea- releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in- increased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION Normal kidney functi- Kidney damage wit- normal or high GF	LEVELS: nore than creatinine) (e.g. obstru- uses out of extracellular fluid). ent in blood). one) due to tubular secretion of IE: eatine to creatinine). crease in creatinine with certain neasurement). GFR (mL/min/1.73m2 tion >90 th >90 FR 60 - 89	urea. methodolog	ies,resulting in norr DCIATED FINDINGS No proteinuria sence of Protein ,		ehydrati
INCREASED 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 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin there ESTIMATED GLOMERI CKD STAGE G1 G2 G3a	tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE a (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN : rosis. and starvation. e. creased urea synthesis. (urea rather than creatinine diffu- monemias (urea is virtually absection finappropiate antidiuretic harman 10:1) WITH INCREASED CREATININ upy (accelerates conversion of crea- releases muscle creatinine). who develop renal failure. bis (acetoacetate causes false in- creased BUN/creatinine ratio). rapy (interferes with creatinine m JLAR FILTERATION RATE: DESCRIPTION Normal kidney function Kidney damage wit- normal or high GF Mild decrease in G	IEVELS: nore than creatinine) (e.g. obstru- uses out of extracellular fluid). int in blood). one) due to tubular secretion of due to tubular secretion of IE: eatine to creatinine). crease in creatinine with certain measurement). GFR (mL/min/1.73m2 tion >90 th >90 R FR 60 -89 a GFR a GFR 30-59	urea. methodolog	ies,resulting in norr DCIATED FINDINGS No proteinuria sence of Protein ,		ehydrati





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









	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P	iology) MI	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. HARTEJ SINGH		
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID	: 1746165
COLLECTED BY	:	REG. NO./LAB NO.	: 012502050011
REFERRED BY	:	REGISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978	COLLECTION DATE	:05/Feb/202509:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:05/Feb/202511:16AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL/	A CANTT	
Test Name	Va	alue 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)







	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. HARTEJ SINGH			
AGE/ GENDER	: 50 YRS/MALE	PATIEN	ГID	: 1746165
COLLECTED BY	:	REG. NO	./LAB NO.	: 012502050011
REFERRED BY	:	REGIST	RATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	:01524978		FION DATE	: 05/Feb/2025 09:19AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A		TING DATE	: 05/Feb/2025 10:59AM
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	OLOGY	
	URINE ROI	UTINE & MICROSCO	PIC EXAMINA	ATION
PHYSICAL EXAMI	NATION			
QUANTITY RECIEV	ED STANCE SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
TRANSPARANCY	CTANCE SPECTROPHOTOMETRY	HAZY		CLEAR
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
REACTION	INATION	ACIDIC		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
PROTEIN by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH		6.5		5.0 - 7.5
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN		Negative		NEGATIVE (-ve)
NITRITE	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
UROBILINOGEN	CTANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC BLOOD	CTANCE SPECTROPHOTOMETRY	TRACE		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
MICROSCOPIC EX				
RED BLOOD CELLS	(KBUS)	0-2	/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







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

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

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT

NAME	: Mr. HARTEJ SINGH			
AGE/ GENDER	: 50 YRS/MALE	PAT	TIENT ID	: 1746165
COLLECTED BY	:	REC	. NO./LAB NO.	: 012502050011
REFERRED BY	:	REC	SISTRATION DATE	: 05/Feb/2025 09:01 AM
BARCODE NO.	: 01524978	COI	LECTION DATE	: 05/Feb/2025 09:19AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 05/Feb/2025 10:59AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
EPITHELIAL CELL	-	0-1	/HPF	ABSENT
by microcoor ron	CENTRIFUGED URINARY SEDIMENT			

CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

NAME

CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA

HADTELCINCH

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)

NEGATIVE (-ve)

MUCOUS THREADS SEEN



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



Page 14 of 14