



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	1	g am Chopra MD (Pathology) tant Pathologist	
NAME	: Mr. B D WALIA				
AGE/ GENDER	: 62 YRS/MALE		PATIENT ID	: 228335	j
COLLECTED BY	:		REG. NO./LAB NO.	:01250	2160001
REFERRED BY	:		REGISTRATION DAT	E : 16/Feb	/2025 07:06 AM
BARCODE NO.	: 01525574		COLLECTION DATE		/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Feb	/2025 08:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT			
Test Name		Value	Unit		Biological Reference interval
	COMP		LLNESS PANEL: OOD COUNT (CBC		
	S (RBCS) COUNT AND INDICES	1.4.1		T	12.0 17.0
HAEMOGLOBIN (H	В)	14.1	gm/d	IL	12.0 - 17.0
RED BLOOD CELL (RBC) COUNT	5.09 ^H	Millio	ons/cmm	3.50 - 5.00
PACKED CELL VOLU		42.8	%		40.0 - 54.0
MEAN CORPUSCUL		84.1	fL		80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	27.7	pg		27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	33	g/dL		32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.3	%		11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	45.3	fL		35.0 - 56.0
MENTZERS INDEX by CALCULATED		16.52	RATIO	0	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INE by CALCULATED		23.63	RATIO	0	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE					4000 11000
TOTAL LEUCOCYTE	COUNT (TLC) Y BY SF CUBE & MICROSCOPY	7510	/cmm	1	4000 - 11000
	LOOD CELLS (nRBCS)	NIL			0.00 - 20.00
NUCLEATED RED B	RT HEMATOLOGY ANALYZER NLOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%		< 10 %





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 14

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	: Mr. B D WALIA		
AGE/ GENDER	: 62 YRS/MALE	PATIENT ID	: 228335
COLLECTED BY	:	REG. NO./LAB NO.	: 012502160001
REFERRED BY	:	REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	: 01525574	COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Feb/2025 08:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Tost Namo	Value	Unit	Biological Deference interval

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	54	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	36	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	8	%	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	4055	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2704	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	150	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	601	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
ABSOLUTE IMMATURE GRANULOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	230000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.29	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	101000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	44.1	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence	16.2	%	15.0 - 17.0



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: 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







	Dr. Vinay Chopra MD (Pathology & Microbiology Chairman & Consultant Pathole	*	(Pathology)
NAME	: Mr. B D WALIA		
AGE/ GENDER	: 62 YRS/MALE	PATIENT ID	: 228335
COLLECTED BY	:	REG. NO./LAB NO.	: 012502160001
REFERRED BY	:	REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	: 01525574	COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Feb/2025 08:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ITT	

Test NameValueUnitBiological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	· · · · · · · · · · · · · · · · · · ·	Chopra y & Microbiology) consultant Pathologis		(Pathology)
NAME	: Mr. B D WALIA			
AGE/ GENDER	: 62 YRS/MALE		PATIENT ID	: 228335
COLLECTED BY	:		REG. NO./LAB NO.	: 012502160001
REFERRED BY	:		REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	:01525574		COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Feb/2025 08:45AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTI	IROCYTE SEDI	MENTATION RATE (ESR)
 An ESR can be affe as C-reactive protein This test may also systemic lupus eryth CONDITION WITH LO 	be used to monitor disease ac ematosus W ESR n with conditions that inhibit	les inflammation. Fo tivity and response the normal sedimen	or this reason, the ESR is ty to therapy in both of the a station of red blood cells, s	body of what is causing it. 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
(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	e cell anaemia) also lower the e protein (C-RP) are both mark es not change as rapidly as doe by as many other factors as is ed, it is typically a result of tw we a higher ESR, and menstrua	kers of inflammation es CRP, either at the ESR, making it a bet to types of proteins, ation and pregnancy	start of inflammation or a: ter marker of inflammatior globulins or fibrinogen. can cause temporary eleva	s it resolves.





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

MBBS, MD (PATHOLOGY)







	MD (Pa	inay Chopra hthology & Microbiology) an & Consultant Pathologist	Dr. Yugam (MD (F CEO & Consultant P	Pathology)
NAME	: Mr. B D WALIA			
AGE/ GENDER	: 62 YRS/MALE	PATI	ENT ID	: 228335
COLLECTED BY	:	REG.	NO./LAB NO.	: 012502160001
REFERRED BY	:	REGI	STRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	:01525574	COLL	ECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC L	AB REPO	RTING DATE	: 16/Feb/2025 11:17AM
CLIENT ADDRESS	: 6349/1, NICHOLSC	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL CHEMISTRY	/BIOCHEMISTR	R Y
		GLUCOSE FAST	ГING (F)	
GLUCOSE FASTINC by glucose oxidas	G (F): PLASMA EE - PEROXIDASE (GOD-PO	116.2 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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





0 9001 : 2008 CERT	IFIED LAB		EXCELLENCE IN HEALTHCARE &	DIAGNOSTICS
		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD (CEO & Consultant	Pathology)
NAME	: Mr. B D WALIA			
AGE/ GENDER	: 62 YRS/MALE	PATIE	NT ID	: 228335
COLLECTED BY	:	REG. N	IO./LAB NO.	: 012502160001
REFERRED BY	:	REGIS	TRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	: 01525574	COLLE	CTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 16/Feb/2025 11:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		182.26	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	95.76	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM Ton	46.05	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO		117.06	mg/dL	OPTIMAL: < 100.0

LDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY	

NON HDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY

VLDL CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY TOTAL LIPIDS: SERUM by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

OPTIMAL: < 130.0 mg/dL ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 -189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.00.00 - 45.00 mg/dL 350.00 - 700.00 mg/dL RATIO LOW RISK: 3.30 - 4.40

159.0

AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 -

HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0



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

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

136.21^H

19.15

460.28

3.96

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

NAME





		hopra & Microbiology) nsultant Pathologist		(Pathology)
NAME	: Mr. B D WALIA			
AGE/ GENDER	: 62 YRS/MALE		PATIENT ID	: 228335
COLLECTED BY	:		REG. NO./LAB NO.	: 012502160001
REFERRED BY	:		REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	: 01525574		COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Feb/2025 11:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by Calculated, spe		2.54	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H	IDL RATIO: SERUM	2.08 ^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 Chopra



Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. B D WALIA AGE/ GENDER : 62 YRS/MALE **PATIENT ID** :228335 **COLLECTED BY** :012502160001 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 16/Feb/2025 07:06 AM : **BARCODE NO.** :01525574 **COLLECTION DATE** :16/Feb/202507:25AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :16/Feb/202511:55AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 0.62 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20

BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.47	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	19.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	21.2	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.92	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para nitrophenyl phosphatase by amino methyl propanol	87.35	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	19.76	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.93	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.17	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.76	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.51	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:

> 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







	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology) MD	n Chopra 9 (Pathology) t Pathologist
NAME	: Mr. B D WALIA		
AGE/ GENDER	: 62 YRS/MALE	PATIENT ID	: 228335
COLLECTED BY	:	REG. NO./LAB NO.	: 012502160001
REFERRED BY	:	REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	: 01525574	COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Feb/2025 11:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	
Test Name		Value Unit	Biological Reference interva

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).

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	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. B D WALIA			
AGE/ GENDER	: 62 YRS/MALE	PA	TIENT ID	: 228335
COLLECTED BY	:	RE	G. NO./LAB NO.	: 012502160001
REFERRED BY	:	RE	GISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	:01525574	CO	LLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 16/Feb/2025 11:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTION 7	TEST (COMPLETE))
UREA: SERUM		26.86	mg/dL	10.00 - 50.00
by UREASE - GLUTAN CREATININE: SERI	MATE DEHYDROGENASE (GLDH) UM	1.19	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC		10 55		7.0.05.0
BLOOD UREA NITH by CALCULATED, SPE	ROGEN (BUN): SERUM	12.55	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE		10.55	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		22.57	RATIO	
by CALCULATED, SPE		0.0		0.00 7.70
URIC ACID: SERUM		6.6	mg/dL	3.60 - 7.70
CALCIUM: SERUM		9.4	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		3.34	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBL	DATE, SPECTROPHOTOMETRY	0.01	ing, ui	2.00 1.10
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV		145.6	mmol/L	135.0 - 150.0
POTASSIUM: SERU	M	4.3	mmol/L	3.50 - 5.00
by ISE (ION SELECTIVE ELECTRODE)		100.9		00.0 110.0
CHLORIDE: SERUN by ISE (ION SELECTIV		109.2	mmol/L	90.0 - 110.0
ESTIMATED GLOM	IERULAR FILTERATION RATE			
(eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	69.1		
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)

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)		fugam C MD (Pat nsultant Pat	hology)			
IAME	: Mr. B D WA	LIA							
AGE/ GENDER	: 62 YRS/MAI	LE		PATIENT ID	:	228335			
COLLECTED BY	:			REG. NO./LAB NO.	. :	012502160	001		
REFERRED BY				REGISTRATION D		16/Feb/2025	07·06 A	м	
BARCODE NO.	: 01525574			COLLECTION DAT		16/Feb/2025			
CLIENT CODE.	: KOS DIAGN			REPORTING DATI		16/Feb/2025			
				KEPUKIING DAII	с .	10/ Feb/ 2020	11.55AF	VI	
CLIENT ADDRESS	: 6349/1, NIC	CHOLSON ROAD, AMI	SALA CANTT						
Test Name			Value	Un	it	Biolo	ogical Ro	eferenc	e interv
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	xia, high fever) (e.g. ureter col ass (subnorma tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease.	n) /ELS:	on, GI bleeding, thy ine) (e.g. obstructive			idrome,	nign pro	tein diet
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE	xia, high fever) (e.g. ureter col ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Ind starvation. e. creased urea sy urea rather tha monemias (urea of inappropiate (0:1) WITH INCF py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c rapy (interferes JLAR FILTERATIO	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : an creatinine diffuses a is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increa reatinine ratio). with creatinine meas DN RATE: DESCRIPTION	n) TELS: than creatin blood). due to tubu e to creatini se in creatini urement).	ine) (e.g. obstructive cellular fluid). lar secretion of urea ne). ne with certain met	e uropathy) 1. hodologies	resulting in r	normal ra		
7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 3. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE G1	xia, high fever) (e.g. ureter col ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Ind starvation. E. creased urea sy urea rather tha monemias (urea of inappropiate (0:1) WITH INCE py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes ULAR FILTERATIO	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : an creatinine diffuses a is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function	n) TELS: than creatin blood). due to tubu e to creatini se in creatini urement).	ine) (e.g. obstructive cellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90	e uropathy) n. hodologies <u>ASSOC</u>	,resulting in r ATED FINDING proteinuria	normal ra		
7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE	xia, high fever) (e.g. ureter col ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Ind starvation. E. creased urea sy urea rather tha monemias (urea of inappropiate (0:1) WITH INCF py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes ULAR FILTERATIO	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : an creatinine diffuses a is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function idney damage with normal or high GFR_	n) TELS: than creatin blood). due to tubu e to creatini se in creatini urement).	ine) (e.g. obstructive cellular fluid). lar secretion of urea ne). ne with certain met	e uropathy) n. hodologies ASSOCI	resulting in r	normal ra		
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (>1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL G1 G2 G3 G3	xia, high fever) (e.g. ureter col ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises dis superimposed 0:1) WITH DECI osis. Ind starvation. E. creased urea sy urea rather that monemias (urea of inappropiate (0:1) WITH INCF py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes ULAR FILTERATIO No K No K No K	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : an creatinine diffuses a is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function idney damage with normal or high GFR lild decrease in GFR	n) FELS: than creating out of extract blood). due to tubus to creating urement). GFR (r	ine) (e.g. obstructive cellular fluid). lar secretion of urea ne). ne with certain met <u>nL/min/1.73m2) >90 >90 60 -89</u>	e uropathy) n. hodologies ASSOCI	resulting in r ATED FINDING proteinuria	normal ra		
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 G2	xia, high fever) (e.g. ureter col ass (subnormal tetracycline, gl 0:1) WITH ELEV (BUN rises disp superimposed 0:1) WITH DECI osis. Ind starvation. E. creased urea sy urea rather that monemias (urea f inappropiate 0:1) WITH INCE py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/c apy (interferes ULAR FILTERATION NOT	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : an creatinine diffuses a is virtually absent in antidiuretic harmone REASED CREATININE: conversion of creatir creatinine). enal failure. te causes false increat reatinine ratio). with creatinine meas DN RATE: DESCRIPTION rmal kidney function idney damage with normal or high GFR_	n) FELS: than creating out of extract blood). due to tubus to creating urement). GFR (r	ine) (e.g. obstructive cellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90 >90	e uropathy) n. hodologies ASSOCI	resulting in r ATED FINDING proteinuria	normal ra		



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 Patholog		(Pathology)
NAME	: Mr. B D WALIA		
AGE/ GENDER	: 62 YRS/MALE	PATIENT ID	: 228335
COLLECTED BY	:	REG. NO./LAB NO.	: 012502160001
REFERRED BY	:	REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	: 01525574	COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Feb/2025 11:55AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	ГТ	
Test Name	Value	Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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

MBBS, MD (PATHOLOGY)

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







		hopra & Microbiology) nsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME : M	Ir. B D WALIA			
AGE/ GENDER : 6	2 YRS/MALE	PA	TIENT ID	: 228335
COLLECTED BY :		RE	G. NO./LAB NO.	: 012502160001
REFERRED BY :		RE	GISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO. : 0	1525574	CO	LLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE. : K	OS DIAGNOSTIC LAB	RE	PORTING DATE	: 16/Feb/2025 09:00AM
CLIENT ADDRESS : 6	349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOCY	
		OUTINE & MICRO	DSCOPIC EXAMINA	ATION
PHYSICAL EXAMINATI	ION	10		
QUANTITY RECIEVED by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLO	W	PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY		CLEAR		CLEAR
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY			
SPECIFIC GRAVITY by DIP STICK/REFLECTANC		1.01		1.002 - 1.030
CHEMICAL EXAMINAT				
REACTION		ACIDIC		
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	Nagativa		NECATIVE (
PROTEIN by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	6		5.0 - 7.5
	E SPECTROPHOTOMETRY			
BILIRUBIN by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY			
KETONE BODIES by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY	NEGATIVE (-	ve)	NEGATIVE (-ve)
by DIP STICK/REFLECTANC	E SPECTROPHOTOMETRY		,.,	
MICROSCOPIC EXAMIN				
RED BLOOD CELLS (RB	Cs)	NEGATIVE (-	ve) /HPF	0 - 3

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



Page 13 of 14



: Mr. B D WALIA

NAME





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

	Dr.	Yugan	۱C	hop	ra
		MD	(Pa	tholog	y)
CEO	& Co	onsultant	: Pat	holog	ist

NAME				
AGE/ GENDER	: 62 YRS/MALE		PATIENT ID	: 228335
COLLECTED BY	:		REG. NO./LAB NO.	: 012502160001
REFERRED BY	:		REGISTRATION DATE	: 16/Feb/2025 07:06 AM
BARCODE NO.	:01525574		COLLECTION DATE	: 16/Feb/2025 07:25AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Feb/2025 09:00AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		3-4	/HPF	0 - 5

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	5-4	/ ПРГ	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

** End Of Report ***





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

