



	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta	crobiology)	Dr. Yugam MD (1 CEO & Consultant F	Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE	P	PATIENT ID	: 1808032
COLLECTED BY	: SURJESH	R	REG. NO./LAB NO.	: 012503270021
REFERRED BY	:	R	REGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853	C	COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Mar/2025 10:23AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	'HYA WEI	LLNESS PANEL: G	1
			OD COUNT (CBC)	
RED BLOOD CELL	S (RBCS) COUNT AND INDICI			
HAEMOGLOBIN (HI	3)	10.9 ^L	gm/dL	12.0 - 17.0
by CALORIMETRIC	(RBC) COUNT	4.1	Millions/c	mm 3.50 - 5.00
by HYDRO DYNAMIC FO	CUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOL	UME (PCV) JTOMATED HEMATOLOGY ANALYZER	34.2 ^L	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV)	83.4	fL	80.0 - 100.0
-	JTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	26.5 ^L	pg	27.0 - 34.0
by CALCULATED BY AU	JTOMATED HEMATOLOGY ANALYZER			
	AR HEMOGLOBIN CONC. (MCI JTOMATED HEMATOLOGY ANALYZER	HC) 31.7^L	g/dL	32.0 - 36.0
	BUTION WIDTH (RDW-CV)	15.2	%	11.00 - 16.00
	JTOMATED HEMATOLOGY ANALYZER	17.4	fL	25.0 56.0
	BUTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	47.4	IL	35.0 - 56.0
MENTZERS INDEX		20.34	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING INI	DEX	96.99	RATIO	BETA THALASSEMIA TRAIT:
by CALCULATED				<= 74.1 IRON DEFICIENCY ANEMIA:
				>=74.1
WHITE BLOOD CH	ELLS (WBCS)			
FOTAL LEUCOCYT		5620	/cmm	4000 - 11000
	BY SF CUBE & MICROSCOPY BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	T HEMATOLOGY ANALYZER	T VIL		0.00 - 20.00
•	BLOOD CELLS (nRBCS) %	NIL		< 10 %

77

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 & M Chairman & Consult		icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE	PAT	TIENT ID	: 1808032
COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012503270021
REFERRED BY			GISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853		LECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 27/Mar/2025 10:23AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			
Test Name		Value	Unit	Biological Reference interval
•	AUTOMATED HEMATOLOGY ANALYZER			
<u>DIFFERENTIAL L</u>	<u>LEUCOCYTE COUNT (DLC)</u>			
NEUTROPHILS		60	%	50 - 70
LYMPHOCYTES	RY BY SF CUBE & MICROSCOPY	25	%	20 - 40
	Y BY SF CUBE & MICROSCOPY	23	70	20-40
EOSINOPHILS		7 ^H	%	1 - 6
	RY BY SF CUBE & MICROSCOPY	0		2 12
MONOCYTES	RY BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS		0	%	0 - 1
by FLOW CYTOMETR	RY BY SF CUBE & MICROSCOPY			
ABSOLUTE LEUK	XOCYTES (WBC) COUNT			
ABSOLUTE NEUT		3372	/cmm	2000 - 7500
	RY BY SF CUBE & MICROSCOPY	1405	1	800 1000
ABSOLUTE LYMP	HOCYTE COUNT RY BY SF CUBE & MICROSCOPY	1405	/cmm	800 - 4900
ABSOLUTE EOSIN		393	/cmm	40 - 440
•	RY BY SF CUBE & MICROSCOPY			
ABSOLUTE MONO	DCYTE COUNT RY BY SF CUBE & MICROSCOPY	450	/cmm	80 - 880
•	OTHER PLATELET PREDICTIV	VE MARKERS		
PLATELET COUN		160000	/cmm	150000 - 450000
	FOCUSING, ELECTRICAL IMPEDENCE	100000	/clilli	130000 - 430000
PLATELETCRIT (I		0.24	%	0.10 - 0.36
•	FOCUSING, ELECTRICAL IMPEDENCE		~	
MEAN PLATELET	VOLUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE	15 ^H	fL	6.50 - 12.0
	E CELL COUNT (P-LCC)	96000 ^H	/cmm	30000 - 90000
by HYDRO DYNAMIC	FOCUSING, ELECTRICAL IMPEDENCE	20000		
	E CELL RATIO (P-LCR)	59.6 ^H	%	11.0 - 45.0
	FOCUSING, ELECTRICAL IMPEDENCE	16.2	%	15.0 - 17.0
	FOCUSING, ELECTRICAL IMPEDENCE	10.2	/0	15.0 - 17.0
NOTE: TEST CONDU	UCTED 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 & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. ASHOK GANDHI		
AGE/ GENDER	: 70 YRS/MALE	PATIENT ID	: 1808032
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503270021
REFERRED BY	:	REGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853	COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 27/Mar/2025 10:23AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval





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

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







	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	licrobiology)	Dr. Yugarr MD CEO & Consultant	(Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE	PA	ATIENT ID	: 1808032
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012503270021
REFERRED BY	:	R	EGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853		DLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 27/Mar/2025 01:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			
	, , , , , , , , , , , , , , , , , , , ,			
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD by HPLC (HIGH PERFOR ESTIMATED AVERA	AEMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	7.5 ^H 168.55 ^H	% mg/dL	4.0 - 6.4 60.00 - 140.00
	AS PER AMERICAN D			
	REFERENCE GROUP	GLYC	OSYLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years		<5.7	
	t Risk (Prediabetes) iagnosing Diabetes		<u>5.7 - 6.4</u> >= 6.5	
D		-	Age > 19 Years	
		Goals of	Therapy:	< 7.0
Therapeut	ic goals for glycemic control		uggested:	>8.0
			Age < 19 Years	
			therapy:	<7.5

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate.

4. High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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

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

 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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. ASHOK GANDHI			
GE/ GENDER	: 70 YRS/MALE	PAT	FIENT ID	: 1808032
COLLECTED BY	: SURJESH	REC	G. NO./LAB NO.	: 012503270021
REFERRED BY	:	REC	GISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853	CO	LECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 27/Mar/2025 11:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHROC	CYTE SEDIME	NTATION RATE	(ESR)
by RED CELL AGGREG INTERPRETATION: 1. ESR is a non-specifi mmune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus erythe CONDITION WITH LOW A low ESR can be see (polycythaemia), sigr as sickle cells in sickli NOTE: 1. ESR and C - reactive 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevated 5. Women tend to ha 6. Drugs such as dext	does not tell the health practitioner cted by other conditions besides inf be used to monitor disease activity ematosus W ESR n with conditions that inhibit the no ifficantly high white blood cell coun e cell anaemia) also lower the ESR. e protein (C-RP) are both markers of s not change as rapidly as does CRP by as many other factors as is ESR, r ed, it is typically a result of two type ve a higher ESR, and menstruation a	r exactly where the lammation. For th and response to th ormal sedimentation t (leucocytosis), a f inflammation. c, either at the star making it a better r es of proteins, glob and pregnancy can	e inflammation is in the is reason, the ESR is ty herapy in both of the a on of red blood cells, s nd some protein abno t of inflammation or a: narker of inflammatior pulins or fibrinogen. cause temporary eleva rocainamide, theophy	ion associated with infection, cancer and auto- e body or 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 s it resolves. h .

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 13



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD	Vinay Chopra (Pathology & Microbiolo irman & Consultant Path	ogy)	MD (Pa MD (Pa consultant Pa	athology)
IAME	: Mr. ASHOK GAN	IDHI			
AGE/ GENDER	: 70 YRS/MALE		PATIENT ID		: 1808032
COLLECTED BY	: SURJESH		REG. NO./LAB N		: 012503270021
REFERRED BY	:		REGISTRATION		: 27/Mar/2025 09:35 AM
BARCODE NO. CLIENT CODE.	: 01527853 : KOS DIAGNOSTI	CIAD	COLLECTION DA REPORTING DA		: 27/Mar/2025 09:41AM : 27/Mar/2025 11:52AM
LIENT CODE.		LAB SON ROAD, AMBALA C		IE	: 27/ Mar/ 2025 11:52AM
	,				
Fest Name		Valu	ue U	J nit	Biological Reference interval
		CLINICAL CHI	EMISTRY/BIOCI	HEMIST	RY
		GLU	COSE FASTING (F))	
GLUCOSE FASTIN	G (F): PLASMA	165		/ 17	NORMAL: < 100.0
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	lucose level below 1 lucose level between ion of 75 gms of gluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.		PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood
NTERPRETATION N ACCORDANCE WIT I. A fasting plasma g 2. A fasting plasma g est (after consumpti	H AMERICAN DIABET lucose level below 1 lucose level between lon of 75 ams of aluc	-POD) ES ASSOCIATION GUIDE 00 mg/dl is considered n 100 - 125 mg/dl is cor ose) is recommended f	LINES: normal. nsidered as glucose into or all such patients.	lerant or pre	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 ediabetic. A fasting and post-prandial blood

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)

 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 6 of 13





	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE		PATIENT ID	: 1808032
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503270021
REFERRED BY	:		REGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853		COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		REPORTING DATE	: 27/Mar/2025 11:42AM
Test Name		Value	Unit	Biological Reference interval
I est Manie		Value	Cim	biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OXIL		187.43	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSPH	ERUM IATE OXIDASE (ENZYMATIC)	94.78	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBITIC		58.05	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL by CALCULATED, SPEC		110.42	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLEST by Calculated, spec		129.38	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTERC		18.96	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	UM	469.64	mg/dL	350.00 - 700.00
by CALCULATED, SPEC CHOLESTEROL/HDI by CALCULATED, SPEC	L RATIO: SERUM	3.23	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0
	0k	6	hopra	

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 7 of 13

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE	РАТ	TENT ID	: 1808032
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	: 012503270021
REFERRED BY	:	REG	ISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853	COL	LECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 27/Mar/2025 11:42AM
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		1.9	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	HDL RATIO: SERUM	1.63 ^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 MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE		PATIENT ID	: 1808032
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503270021
REFERRED BY	:		REGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853		COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Mar/2025 11:42AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER F	UNCTIO	N TEST (COMPLETE)
BILIRUBIN TOTAL		0.41	mg/dL	INFANT: 0.20 - 8.00
by DIAZOTIZATION, S	PECTROPHOTOMETRY			ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM SPECTROPHOTOMETRY	0.11	mg/dL	0.00 - 0.40
	ECT (UNCONJUGATED): SERUM	0.3	mg/dL	0.10 - 1.00
SGOT/AST: SERUN		25.44	U/L	7.00 - 45.00
by IFCC, WITHOUT PY SGPT/ALT: SERUN	(RIDOXAL PHOSPHATE A	27.25	U/L	0.00 - 49.00
	ridoxal Phosphate	21.23	0/L	0.00 - 49.00
AST/ALT RATIO: S	-	0.93	RATIO	0.00 - 46.00
ALKALINE PHOSP	ECTROPHOTOMETRY HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	123.75	U/L	40.0 - 130.0
GAMMA GLUTAM	IYL TRANSFERASE (GGT): SERUM	1 14.1	U/L	0.00 - 55.0
TOTAL PROTEINS	: SERUM	7.05	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.19	gm/dL	3.50 - 5.50
GLOBULIN: SERUN		2.86	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.47	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	crobiology)	u gam Chopra MD (Pathology) sultant Pathologist
NAME	: Mr. ASHOK GANDHI		
AGE/ GENDER	: 70 YRS/MALE	PATIENT ID	: 1808032
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503270021
REFERRED BY	:	REGISTRATION DA	TE : 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853	COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 27/Mar/2025 11:42AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT	
Test Name		Value Unit	Biological Reference interv
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slight)	ly Increased)

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







130 9001 . 2008 CENT	TFTED LAD			
	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		(Pathology)
NAME	: Mr. ASHOK GANDHI			
AGE/ GENDER	: 70 YRS/MALE]	PATIENT ID	: 1808032
COLLECTED BY	: SURJESH	1	REG. NO./LAB NO.	: 012503270021
REFERRED BY			REGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853		COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Mar/2025 12:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN			
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTIO	N TEST (COMPLETI	(3
UREA: SERUM		30.08	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)	50.00	iiig/uL	10.00 - 50.00
CREATININE: SER		1.09	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC		14.06	ma/dI	7.0 - 25.0
by CALCULATED, SPE	ROGEN (BUN): SERUM	14.06	mg/dL	7.0 - 23.0
BLOOD UREA NIT	ROGEN (BUN)/CREATININE	12.9	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE UREA/CREATININ		27.6	RATIO	
by CALCULATED, SPE		27.0	KAHO	
URIC ACID: SERUM	M	5.04	mg/dL	3.60 - 7.70
by URICASE - OXIDAS		10.00	(17	0.50 10.60
CALCIUM: SERUM by ARSENAZO III, SPE		10.09	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI		3.15	mg/dL	2.30 - 4.70
•	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
SODIUM: SERUM		139.8	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM		4.42	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		4.42	IIIII0i/L	5.50 - 5.00
CHLORIDE: SERUM	Μ	104.85	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	-			
	MERULAR FILTERATION RAT			
	MERULAR FILTERATION RATE	E 73		
(eGFR): SERUM by CALCULATED				
INTERPRETATION:				
	een 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
 www.koshealthcare.com







		Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	robiology)		am Chopra 1D (Pathology) ant Pathologist	
NAME	: Mr. ASHOI	K GANDHI				
AGE/ GENDER	: 70 YRS/MA	JLE	PA	TIENT ID	: 1808032	
COLLECTED BY	: SURJESH		RE	G. NO./LAB NO.	:012503270021	
REFERRED BY	•		RF	GISTRATION DATI	E : 27/Mar/2025 09:3	5 AM
BARCODE NO.	:01527853			LLECTION DATE	: 27/Mar/2025 09:4	
CLIENT CODE.	: KOS DIAGN	IOSTIC LAB		PORTING DATE	: 27/Mar/2025 12:5	
CLIENT CODE. CLIENT ADDRESS				I OKIING DAIL	. 277 Wai / 2023 12.3	/ 1 1/1
LLIEN I ADDRESS	. 0349/1, M	CHOLSON ROAD, AMB	ALA CANTI			
Test Name			Value	Unit	Biological	Reference interval
6. Inherited hyperam 7. SIADH (syndrome o 8. Pregnancy.	nd starvation. e. creased urea s urea rather th monemias (ur	synthesis. an creatinine diffuses o ea is virtually absent in e antidiuretic harmone)	blood).			
 Phenacimide thera Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido should produce an in 	py (accelerate eleases muscle who develop r : sis (acetoaceta creased BUN/o	enal failure. ate causes false increas creatinine ratio).	e in creatinine		lologies,resulting in norma	l ratio when dehydratic
 Phenacimide thera Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther 	py (accelerate eleases muscle who develop r : sis (acetoaceta creased BUN/o apy (interfere:	s conversion of creating e creatinine). renal failure. ate causes false increas creatinine ratio). s with creatinine measu ON RATE:	se in creatinine irement).	with certain method		l ratio when dehydratio
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	py (accelerate eleases muscle who develop r : sis (acetoaceta creased BUN/c apy (interfere: JLAR FILTERATI	s conversion of creatine e creatinine). renal failure. ate causes false increas creatinine ratio). s with creatinine measu ON RATE: DESCRIPTION	se in creatinine irement). GFR (mL/i	with certain method	ASSOCIATED FINDINGS	l ratio when dehydratic
 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther ESTIMATED GLOMERL 	py (accelerate eleases muscle who develop r : sis (acetoaceta creased BUN/o apy (interfere: ILAR FILTERATI	s conversion of creating e creatinine). renal failure. ate causes false increas creatinine ratio). s with creatinine measu ON RATE:	se in creatinine irement). GFR (mL/i	with certain method		l ratio when dehydratio

	G2	Kidney damage with normal or high GFR	>90	Presence of Protein , Albumin or cast in urine
Ī	G3a	Mild decrease in GFR	60 -89	
Ī	G3b	Moderate decrease in GFR	30-59	
Ī	G4	Severe decrease in GFR	15-29	
Ī	G5	Kidney failure	<15	



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

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









	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F	iology) ME	m Chopra D (Pathology) at Pathologist
NAME	: Mr. ASHOK GANDHI		
AGE/ GENDER	: 70 YRS/MALE	PATIENT ID	: 1808032
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503270021
REFERRED BY	:	REGISTRATION DATE	: 27/Mar/2025 09:35 AM
BARCODE NO.	: 01527853	COLLECTION DATE	: 27/Mar/2025 09:41AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 27/Mar/2025 12:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	x,	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

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: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com

