



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE		PATIENT ID	: 1649970
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012410220021
REFERRED BY	:		REGISTRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	: 01519347		COLLECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Oct/2024 10:33AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.0	
			DOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		9.7 ^L	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB	C) COUNT DCUSING, ELECTRICAL IMPEDENCE	3.5	Millions/cr	mm 3.50 - 5.00
PACKED CELL VOLUM		31.5 ^L	%	40.0 - 54.0
MEAN CORPUSCULAR		90.2	fL	80.0 - 100.0
MEAN CORPUSCULAR	R HAEMOGLOBIN (MCH) JTOMATED HEMATOLOGY ANALYZER	27.6	pg	27.0 - 34.0
MEAN CORPUSCULAR	R HEMOGLOBIN CONC. (MCHC)	30.7 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI	ON WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	14.5	%	11.00 - 16.00
	ON WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	48.8	fL	35.0 - 56.0
MENTZERS INDEX		25.77	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX	(37.21	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	(WBCS)			
TOTAL LEUCOCYTE CO	DUNT (TLC) by sf cube & microscopy	7260	/cmm	4000 - 11000
NUCLEATED RED BLO by AUTOMATED 6 PAR	OD CELLS (nRBCS) <i>t hematology analyzer</i>	NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) % <i>jtomated hematology analyzer</i>	NIL	%	< 10 %
NEUTROPHILS	BY SF CUBE & MICROSCOPY	80 ^H	%	50 - 70





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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, HaryanaKOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com









Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. OM PARKASH GANDHI AGE/ GENDER : 89 YRS/MALE **PATIENT ID** :1649970 **COLLECTED BY** : SURJESH :012410220021 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 22/Oct/2024 09:34 AM : **BARCODE NO.** :01519347 **COLLECTION DATE** : 22/Oct/2024 10:08AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 22/Oct/2024 10:33AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES % 20 - 40 10^L by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** 5808 ABSOLUTE NEUTROPHIL COUNT /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 726^L /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 40 - 440 363 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 363 80 - 880 /cmm 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. 301000 150000 - 450000 PLATELET COUNT (PLT) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.10 - 0.36 PLATELETCRIT (PCT) 0.34 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 6.50 - 12.0 11 fL by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 102000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 34 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % 15.0 - 17.0 PLATELET DISTRIBUTION WIDTH (PDW) 16.2 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 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
 www.koshealthcare.com







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PA	TIENT ID	: 1649970
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012410220021
REFERRED BY	:	RE	GISTRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	CO	LLECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 22/Oct/2024 10:57AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			NTATION RATE (ES	
	VIENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETRY	80 ^H	mm/1st	hr 0-20
mmune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practition cted by other conditions besides in be used to monitor disease activit ematosus	er exactly where th nflammation. For th	e inflammation is in th is reason, the ESR is ty	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
A low ESR can be see (polycythaemia), sigr as sickle cells in sickl VOTE:	n with conditions that inhibit the n ificantly high white blood cell cou e cell anaemia) also lower the ESI	nt (leucocytosis) , a ₹.	on of red blood cells, s and some protein abno	uch as a high red blood cell count ormalities. Some changes in red cell shape (such
 Generally, ESR doe CRP is not affected If the ESR is elevate Women tend to ha 	e protein (C-RP) are both markers s not change as rapidly as does CR by as many other factors as is ESR ed, it is typically a result of two typ ve a higher ESR, and menstruation ran methyldona, oral contracenti	P, either at the stat making it a better bes of proteins, glob and pregnancy can	marker of inflammation bulins or fibrinogen. cause temporary eleva	n.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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

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







	MD (Pathology & Chairman & Cor	& Microbiology) nsultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PATI	ENT ID	: 1649970
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012410220021
REFERRED BY	:	REGI	STRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	COLI	ECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	PRTING DATE	: 22/Oct/2024 11:52AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY	/BIOCHEMISTR	Y
		GLUCOSE FAS	TING (F)	
GLUCOSE FASTING (F): PLASMA SE - PEROXIDASE (GOD-POD)	112.02 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

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







	Dr. Vinay Cl MD (Pathology Chairman & Co		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. OM PARKASH GANDH			10,0000
AGE/ GENDER	: 89 YRS/MALE		ENT ID	: 1649970
COLLECTED BY	: SURJESH		NO./LAB NO.	: 012410220021
REFERRED BY	:		STRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	: 01519347		ECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 22/Oct/2024 11:58AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OX		124.94	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER	UM HATE OXIDASE (ENZYMATIC)	83.28	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I by SELECTIVE INHIBITI		47.7	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		60.58	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTER by CALCULATED, SPEC		77.24	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by CALCULATED, SPEC		16.66	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN	N	333.16 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	RATIO: SERUM	2.62	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SER		1.27	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0



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 y & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. OM PARKASH GAND	HI		
AGE/ GENDER	: 89 YRS/MALE	PATIE	NT ID	: 1649970
COLLECTED BY	: SURJESH	REG. N	IO./LAB NO.	: 012410220021
REFERRED BY	:	REGIS	TRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	COLLE	CTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 22/Oct/2024 11:58AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.75 ^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) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. OM PARKASH GANDHI **AGE/ GENDER** : 89 YRS/MALE **PATIENT ID** :1649970 **COLLECTED BY** : SURJESH :012410220021 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 22/Oct/2024 09:34 AM : **BARCODE NO.** :01519347 **COLLECTION DATE** : 22/Oct/2024 10:08AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 22/Oct/2024 11:58AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit

LIV	ER FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.49	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by Calculated, spectrophotometry	0.33	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	22.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	15.7	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	1.45	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	93.91	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	11.01	U/L	0.00 - 55.0
OTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.63	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol green	3.5	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by Calculated, spectrophotometry	4.13 ^H	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	0.85 ^L	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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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

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



Biological Reference interval

NAME

Test Name

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





	Dr. Vinay Ch MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD & Consultant	(Pathology)
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PATIENT II)	: 1649970
COLLECTED BY	: SURJESH	REG. NO./L	AB NO.	: 012410220021
REFERRED BY	:	REGISTRAT	TION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	COLLECTIO	N DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	G DATE	: 22/Oct/2024 11:58AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval

DECREASED:

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

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

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



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

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

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

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









	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD (I CEO & Consultant F	Pathology)
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PATI	ENT ID	: 1649970
COLLECTED BY	: SURJESH	REG. 1	NO./LAB NO.	: 012410220021
REFERRED BY	:	REGIS	TRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	COLL	ECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 22/Oct/2024 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KI	DNEY FUNCTION TE	ST (COMPLETE)	
UREA: SERUM		48.86	mg/dL	10.00 - 50.00
	TE DEHYDROGENASE (GLDH)			
CREATININE: SERUM by ENZYMATIC, SPECTI	ROPHOTOMETERY	1.71 ^H	mg/dL	0.40 - 1.40
BLOOD UREA NITROG	en (bun): serum	22.83	mg/dL	7.0 - 25.0
BLOOD UREA NITROG	EN (BUN)/CREATININE	13.35	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPECT UREA/CREATININE RA		28.57	RATIO	
by CALCULATED, SPECT				
URIC ACID: SERUM	PEROVIDASE	7.36	mg/dL	3.60 - 7.70
CALCIUM: SERUM	PEROXIDASE	11.26 ^H	mg/dL	8.50 - 10.60
by ARSENAZO III, SPEC			-	2.20 4.70
PHOSPHOROUS: SERU	IVI TE, SPECTROPHOTOMETRY	2.48	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		133 ^L	mmol/L	135.0 - 150.0
<i>by ISE (ION SELECTIVE</i> POTASSIUM: SERUM	ELECTRODE)	4.63	mmol/L	3.50 - 5.00
by ISE (ION SELECTIVE I	ELECTRODE)			
CHLORIDE: SERUM by ISE (ION SELECTIVE I		99.75	mmol/L	90.0 - 110.0
	JLAR FILTERATION RATE			
ESTIMATED GLOMERU (eGFR): SERUM by CALCULATED	JLAR FILTERATION RATE	37.8		
NOTE 2		RESULT RECHECK	KED TWICE	
ADVICE		KINDLY CORREL	ATE CLINICALLY	
INTERPRETATION: To differentiate betwee INCREASED RATIO (>20:	en pre- and post renal azotemia 1) WITH NORMAL CREATININE			



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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	MD	Vinay Chopra (Pathology & Micro airman & Consultant	biology)	Yugam Chopi MD (Patholog nsultant Patholog	sy)	
AME	: Mr. OM PARKA	SH GANDHI				
AGE/ GENDER	: 89 YRS/MALE		PATIENT ID	: 1649	970	
COLLECTED BY	: SURJESH		REG. NO./LAB NO	· 0124	410220021	
REFERRED BY	·		REGISTRATION I		ct/2024 09:34 AM	·
						1
BARCODE NO.	: 01519347		COLLECTION DAT		ct/2024 10:08AM	
CLIENT CODE.	: KOS DIAGNOSTI	IC LAB	REPORTING DAT	E : 22/0	ct/2024 01:38PM	
CLIENT ADDRESS	: 6349/1, NICHOI	LSON ROAD, AMBAI	LA CANTT			
Fest Name			Value Ui	nit	Biological Refe	erence interval
 7. Urine reabsorption 8. Reduced muscle n 	hass (subnormal crea	atinine production)				
7. Urine reabsorption 8. Reduced muscle n 9. Certain drugs (e.g INCREASED RATIO (> 1. Postrenal azotemia DECREASED RATIO (< 1. Acute tubular nect 2. Low protein diet a 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperan 7. SIADH (syndrome 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (i 3. Muscular patients INAPPROPIATE RATIO	a (e.g. ureter colosto hass (subnormal crea- tetracycline, glucoc 20:1) WITH ELEVATEL a (BUN rises disprop- superimposed on re- 10:1) WITH DECREAS rosis. Ind starvation. e. ecreased urea synthe (urea rather than cr- monemias (urea is y- of inappropiate antio- 10:1) WITH INCREAS apy (accelerates con- releases muscle crea- who develop renal- D: basis (acetoacetate ca- icreased BUN/creati- rapy (interferes with- ULAR FILTERATION R- Norma- Kidnee-	atinine production) corticoids) D CREATININE LEVEL ortionately more the enal disease. ED BUN : ED BUN : ED CREATININE: version of creatine failure. failure. auses false increase inine ratio). creatinine measure ATE: ESCRIPTION I kidney function ey damage with	an creatinine) (e.g. obstructiv ut of extracellular fluid). blood). lue to tubular secretion of ure to creatinine). in creatinine with certain me	a. thodologies,resu ASSOCIATED No prote Presence of	einuria f Protein ,	io when dehydratio
Urine reabsorption Reduced muscle n Certain drugs (e.g NCREASED RATIO (> Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular nec Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperan SIADH (syndrome Pregnancy. DECREASED RATIO (< Phenacimide thera Rabdomyolysis (i Muscular patients NAPPROPIATE RATIO Cephalosporin the STIMATED GLOMER CKD STAGE G1 G2	a (e.g. ureter colosto hass (subnormal crea- tetracycline, glucoc 20:1) WITH ELEVATEL a (BUN rises disprop- superimposed on re- 10:1) WITH DECREAS rosis. Ind starvation. e. ecreased urea synthe (urea rather than cr- monemias (urea is y- of inappropiate antio- 10:1) WITH INCREAS apy (accelerates con- releases muscle crea- who develop renal- Di- posis (acetoacetate ca- icreased BUN/creati- rapy (interferes with- ULAR FILTERATION R- Norma- Kidne- norm	atinine production) corticoids) D CREATININE LEVEL ortionately more the enal disease. ED BUN : ED BUN : ED CREATININE: version of creatine failure. failure. auses false increase inine ratio). faceatinine measure ATE: ESCRIPTION I kidney function ey damage with hal or high GFR	an creatinine) (e.g. obstructiv ut of extracellular fluid). blood). lue to tubular secretion of ure to creatinine). in creatinine with certain me ement). GFR (mL/min/1.73m2) >90 >90	a. thodologies,resu ASSOCIATED	einuria f Protein ,	io when dehydratio
Y. Urine reabsorption Reduced muscle n Certain drugs (e.g. NCREASED RATIO (> Postrenal azotemia Postrenal azotemia CEREASED RATIO (< Acute tubular nec Low protein diet a Severe liver diseas Other causes of de Acutet disysis Inherited hyperan SIADH (syndrome Pregnancy. Perenancy. Phenacimide thera Rabdomyolysis (i Anabdomyolysis (i	a (e.g. ureter colosto hass (subnormal crea- tetracycline, glucoc 20:1) WITH ELEVATEL a (BUN rises disprop- superimposed on re- 10:1) WITH DECREAS rosis. Ind starvation. e. cereased urea synthe (urea rather than cr- monemias (urea is vo- of inappropiate antie 10:1) WITH INCREAS apy (accelerates con- releases muscle crea- who develop renal- D: bois (acetoacetate ca- icreased BUN/creati- rapy (interferes with ULAR FILTERATION R Norma- Kidne- norm- Mild co-	atinine production) corticoids) D CREATININE LEVEL ortionately more the enal disease. ED BUN : ED BUN : ED CREATININE: version of creatine failure. failure. auses false increase inine ratio). creatinine measure ATE: ESCRIPTION I kidney function ey damage with	an creatinine) (e.g. obstructiv ut of extracellular fluid). blood). lue to tubular secretion of ure to creatinine). in creatinine with certain me ement). GFR (mL/min/1.73m2) >90	a. thodologies,resu ASSOCIATED No prote Presence of	einuria f Protein ,	io when dehydrati





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









	Dr. Vinay Chc MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugan MD CEO & Consultan	(Pathology)
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PAT	IENT ID	: 1649970
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012410220021
REFERRED BY	:	REG	ISTRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	: 01519347	COLL	LECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	DRTING DATE	: 22/Oct/2024 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
G5	Kidney failure	<1	5	

COMMENTS:

1. Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a

Estimated Glomerular filtration rate (GGFR) 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 eGFR with Cystatin C for confirmation of CKD
 eGFR category G1 OR G2 does not fullfill the criteria for CKD, in the absence of evidence of Kidney Damage
 In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
 eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, a correct use of calculated using Correct use of correct and cases of correct use of correct uses of correct use of 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







		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. OM PARKASH GANI	OHI		
AGE/ GENDER	: 89 YRS/MALE	PA	TIENT ID	: 1649970
COLLECTED BY	: SURJESH	RI	EG. NO./LAB NO.	: 012410220021
REFERRED BY	:	RI	GISTRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	CC	LLECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 22/Oct/2024 01:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO			
Test Name		Value	Unit	Biological Reference interval
PROSTATE SPECIFIC A	PR NTIGEN (PSA) - TOTAL:	OSTATE SPECIFIC AN 5.29 ^H	ITIGEN (PSA) - TOT ng/mL	AL 0.0 - 4.0
INTERPRETATION: NOTE: 1. This is a recommen 2. False negative / pos 3. PSA levels may app 4. Immediate PSA test needle biopsy of prost 5. PSA values regardle correlated with clinica 6. Sites of Non-prosta 7. Physiological decre sexual activity 8. The concentration of	sitive results are observed i ear consistently elevated / c ing following digital rectal of ate is not recommended as ss of levels should not be in al findings and results of ot tic PSA production are brea ase in PSA level by 18% has of PSA in a given specimen, c bration, and reagent specif NG INTERVALS eline)	n patients receiving mou lepressed due to the inte examination, ejaculation they falsely elevate leve terpreted as absolute ev her investigations st epithelium, salivary g been observed in hospit letermined with assays f	ise monoclonal antibod erference by heterophili , prostatic massage, inc ls ridence of the presence lands, peri-urethral & a alized / sedentary patie	ion (DRE) in males above 50 years of age. ies for diagnosis or therapy c antibodies & nonspecific protein binding dwelling catheterization, ultrasonography and or absence of disease. All values should be nal glands, cells of male urethra & breast milk nts either due to supine position or suspended urers, may not be comparable due to differences

and in those with two or more affected first degree relatives. 2. Followup and management of Prostate cancer patients.

3. Detect metastatic or persistent disease in patients following surgical or medical treatment of Prostate cancer

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INCREASED LEVEL:

1. Prostate cancer

2. Benign Prostatic Hyperplasia

3. Prostatitis

4. Genitourinary infections

Г 77

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

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. OM PARKASH GANDHI		
AGE/ GENDER	: 89 YRS/MALE	PATIENT ID	: 1649970
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012410220021
REFERRED BY	:	REGISTRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	: 01519347	COLLECTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Oct/2024 01:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	•	
Test Name	Value	Unit	Biological Reference interval

Test Name	Value	Unit	Biological Reference interval



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

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

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







	Dr. Vinay Ch e MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PATIE	INT ID	: 1649970
COLLECTED BY	: SURJESH	REG. N	IO./LAB NO.	: 012410220021
REFERRED BY	:	REGIS	TRATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	:01519347	COLLE	CTION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOI	RTING DATE	: 22/Oct/2024 12:14PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	IOLOGY	
	URINE RO	OUTINE & MICROSC	OPIC EXAMINAT	ION
PHYSICAL EXAMINA				
QUANTITY RECIEVED		10	ml	
	TANCE SPECTROPHOTOMETRY	10		
COLOUR		AMBER YELLOW		PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
	TANCE SPECTROPHOTOMETRY	10.21		OLLI III
SPECIFIC GRAVITY		1.02		1.002 - 1.030
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
REACTION		ACIDIC		
	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Trace		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-VE)
рН		<=5.0		5.0 - 7.5
by DIP STICK/REFLEC BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Positive		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
	TANCE SPECTROPHOTOMETRY	INUITIIdI	EU/UL	0.2 - 1.0
KETONE BODIES		Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY	Negative		
BLOOD by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			

MICROSCOPIC EXAMINATION



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







MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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

NAME	: Mr. OM PARKASH GANDHI			
AGE/ GENDER	: 89 YRS/MALE	PATIENT	ID	: 1649970
COLLECTED BY	: SURJESH	REG. NO./	LAB NO.	: 012410220021
REFERRED BY	:	REGISTR	ATION DATE	: 22/Oct/2024 09:34 AM
BARCODE NO.	: 01519347	COLLECT	ION DATE	: 22/Oct/2024 10:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTI	NG DATE	: 22/Oct/2024 12:14PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	Value NEGATIVE (-ve)	Unit /HPF	Biological Reference interval 0 - 3
RED BLOOD CELLS (F by MICROSCOPY ON C PUS CELLS				•
RED BLOOD CELLS (F by MICROSCOPY ON C PUS CELLS by MICROSCOPY ON C EPITHELIAL CELLS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
RED BLOOD CELLS (F by MICROSCOPY ON O PUS CELLS by MICROSCOPY ON O EPITHELIAL CELLS by MICROSCOPY ON O CRYSTALS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve) 12-15	/HPF /HPF	0 - 3 0 - 5

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

OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT





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

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

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

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

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



NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT