



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	ME	m Chopra D (Pathology) ht Pathologist
IAME	: Mr. M.G SHARMA			
GE/ GENDER	: 90 YRS/MALE		PATIENT ID	: 1661457
OLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012411050029
EFERRED BY	:		REGISTRATION DATE	:05/Nov/2024 10:21 AM
ARCODE NO.	: 01520125		COLLECTION DATE	:05/Nov/2024 10:43AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Nov/2024 11:23AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	SWAS	FHYA W I	ELLNESS PANEL: Y	ť
	COM	PLETE BL	OOD COUNT (CBC)	
ED BLOOD CELLS	(RBCS) COUNT AND INDICES			
IAEMOGLOBIN (HI	3)	9.4 ^L	gm/dL	12.0 - 17.0
ED BLOOD CELL ()	RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	3.69	Millions	s/cmm 3.50 - 5.00
ACKED CELL VOLU	JME (PCV) utomated hematology analyzer	29.3 ^L	%	40.0 - 54.0
	AR VOLUME (MCV) UTOMATED HEMATOLOGY ANALYZER	79.4 ^L	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	25.5 ^L	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.1	g/dL	32.0 - 36.0
ED CELL DISTRIBUT by CALCULATED BY A	JTION WIDTH (RDW-CV) utomated hematology analyzer	16.9 ^H	%	11.00 - 16.00
	JTION WIDTH (RDW-SD) utomated hematology analyzer	50.1	fL	35.0 - 56.0
IENTZERS INDEX		21.52	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
REEN & KING IND	EX	36.4	RATIO	BETA THALASSEMIA TRAIT:< 65.0
				IRON DEFICIENCY ANEMIA: > 65.0
VHITE BLOOD CEI	LLS (WBCS)			
ΌΤΔΙ Ι ΕΠΟΟΟΥΤΕ	COUNT (TLC) BY SF CUBE & MICROSCOPY	7380	/cmm	4000 - 11000
		NIT		0.00 - 20.00
by FLOW CYTOMETRY	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		

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)

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 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. M.G SHARMA AGE/ GENDER : 90 YRS/MALE **PATIENT ID** :1661457 **COLLECTED BY** : SURJESH REG. NO./LAB NO. :012411050029 **REFERRED BY REGISTRATION DATE** :05/Nov/2024 10:21 AM : **BARCODE NO.** :01520125 **COLLECTION DATE** :05/Nov/2024 10:43AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :05/Nov/2024 11:23AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 62 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 25% 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 6 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 7 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 4576 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1845 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 443^H /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 517 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 154000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) % 0.10 - 0.36 0.2by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 13^H fL. 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 77000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 49.7^H % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) %

16.1

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



15.0 - 17.0





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	PRTING DATE	: 05/Nov/2024 04:33PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	GLYCO	SYLATED HAEMO	GLOBIN (HBA10)
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI	GLYCO EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	DSYLATED HAEMO 6.1 128.37	GLOBIN (HBA1C % % mg/dL	2) 4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFOI ESTIMATED AVERA by HPLC (HIGH PERFOI	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	6.1 128.37	% mg/dL	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	6.1 128.37 DIABETES ASSOCIATION	% mg/dL (ADA):	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP	6.1 128.37 DIABETES ASSOCIATION	% mg/dL	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION:	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN	6.1 128.37 DIABETES ASSOCIATION	% mg/dL (ADA): /LATED HEMOGLOGIB	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT DIA Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years	6.1 128.37 DIABETES ASSOCIATION	% mg/dL (ADA): /LATED HEMOGLOGIB <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NOT DIA Non dia A	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	6.1 128.37 DIABETES ASSOCIATION GLYCOSY	% mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: NON dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	6.1 128.37 DIABETES ASSOCIATION GLYCOSY GOals of The	% mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFON ESTIMATED AVERA by HPLC (HIGH PERFON INTERPRETATION: Non dia A D	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	6.1 128.37 DIABETES ASSOCIATION GLYCOSY	% mg/dL (ADA): /LATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years erapy:	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %

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COMMENTS:

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 & MICROBIOLOGY)
 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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mr. M.G SHARMA			
AGE/ GENDER	: 90 YRS/MALE	PATIENT	ID	: 1661457
COLLECTED BY	: SURJESH	REG. NO.	/LAB NO.	: 012411050029
REFERRED BY	:	REGISTR	ATION DATE	: 05/Nov/2024 10:21 AM
BARCODE NO.	: 01520125	COLLECT	ION DATE	: 05/Nov/2024 10:43AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	NG DATE	:05/Nov/2024 12:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SEDIMENTAT	TION RATE (E	SR)
INTERPRETATION: 1. ESR is a non-specifimmune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sigras sickle cells in sickle NOTE: 1. ESR and C - reactive 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	does not tell the health practitione cted by other conditions besides in be used to monitor disease activity ematosus W ESR n with conditions that inhibit the n hificantly high white blood cell cour e cell anaemia) also lower the ESR e protein (C-RP) are both markers o es not change as rapidly as does CRI by as many other factors as is ESR , ed, it is typically a result of two typ ve a higher ESR, and menstruation	er exactly where the inflar flammation. For this reas and response to therapy formal sedimentation of r nt (leucocytosis), and sor the inflammation. P, either at the start of in making it a better marker wes of proteins, globulins of and pregnancy can cause	nmation is in the b on, the ESR is typic in both of the abo ed blood cells, suc ne protein abnorn flammation or as i of inflammation. or fibrinogen. temporary elevati	cally used in conjunction with other test such ove diseases as well as some others, such as ch as a high red blood cell count nalities. Some changes in red cell shape (suc t resolves.





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







	MD (Patho	y Chopra logy & Microbiology) & Consultant Pathologist	Dr. Yugam MD (I CEO & Consultant F	Pathology)
NAME	: Mr. M.G SHARMA			
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BARCODE NO.	:01520125	COLL	ECTION DATE	: 05/Nov/2024 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 05/Nov/2024 12:39PM
CLIENT ADDRESS	: 6349/1, NICHOLSON R	OAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CL	INICAL CHEMISTRY	/BIOCHEMIST	RY
		GLUCOSE FAST	ΓING (F)	
GLUCOSE FASTING by GLUCOSE OXIDAS	E (F): PLASMA E - PEROXIDASE (GOD-POD)	133.33 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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

MBBS, MD (PATHOLOGY)

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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	I	REPORTING DATE	: 05/Nov/2024 12:51PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	153.07	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	(IDASE PAP		0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
RIGLYCERIDES: S		70.47	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	PHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
		54.00	(17	VERY HIGH: $> OR = 500.0$
IDL CHOLESTERO	L (DIRECT): SERUM	54.92	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
				60.0
	(TDU) (04.00	()7	HIGH HDL: $> OR = 60.0$
DL CHOLESTEROI by CALCULATED, SPE		84.06	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
· ·				BORDERLINE HIGH: 130.0 -
				159.0 HIGH: 160.0 - 189.0
				VERY HIGH: $> OR = 190.0$
NON HDL CHOLEST		98.15	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CTROPHOTOMETRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0
/LDL CHOLESTER(JI · SEDIM	14.09	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
by CALCULATED, SPE		14.09	IIIg/ UL	0.00 - 43.00
FOTAL LIPIDS: SER by CALCULATED, SPE		376.61	mg/dL	350.00 - 700.00
CHOLESTEROL/HD		2.79	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE			_	AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
LDL/HDL RATIO: S by CALCULATED, SPE		1.53	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0	
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	1.28 ^L	RATIO	3.00 - 5.00	

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

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

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





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT	: SERUM PECTROPHOTOMETRY T (CONJUGATED): SERUM SPECTROPHOTOMETRY CCT (UNCONJUGATED): SERUM ECTROPHOTOMETRY	FUNCTIO 0.35 0.11 0.24 20.1	DN TEST (COMPLETE) mg/dL mg/dL mg/dL U/L	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40 0.10 - 1.00
	RIDOXAL PHOSPHATE	20.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	12.8	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		1.57	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	76.41	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	45.54	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		5.59 ^L	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	2.99 ^L	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		2.6	gm/dL	2.30 - 3.50
A : G RATIO: SERUN		1.15	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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)





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

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.

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 8 of 19





		Value Unit	Biological Reference interval
CLIENT ADDRESS	. 0349/ I, NICHOLSON KOAD, AMDA	LA CANTI	
CLIENT ADDRESS	: 6349/1. NICHOLSON ROAD. AMBA	I A CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 05/Nov/2024 12:51PM
BARCODE NO.	: 01520125	COLLECTION DATE	: 05/Nov/2024 10:43AM
REFERRED BY	:	REGISTRATION DATE	: 05/Nov/2024 10:21 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411050029
AGE/ GENDER	: 90 YRS/MALE	PATIENT ID	: 1661457
NAME	: Mr. M.G SHARMA		
	MD (Pathology & Micro Chairman & Consultant	obiology) MD	D (Pathology)
	Dr. Vinay Chopra	Dr. Yugar	n Chopra

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

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	Dr. Vinay Cho MD (Pathology & I Chairman & Consu	Microbiology)		(Pathology)
NAME	: Mr. M.G SHARMA			
AGE/ GENDER	: 90 YRS/MALE		PATIENT ID	: 1661457
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BARCODE NO.	: 01520125		COLLECTION DATE	: 05/Nov/2024 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 05/Nov/2024 07:12PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	KIDN	EY FUNCTIO)N TEST (COMPLETE)	
UREA: SERUM		71.01 ^H	mg/dL	10.00 - 50.00
by UREASE - GLUTAN CREATININE: SERU	IATE DEHYDROGENASE (GLDH)	0.07H	mg/dI	0.40 - 1.40
by ENZYMATIC, SPEC		2.97 ^H	mg/dL	0.40 - 1.40
	BLOOD UREA NITROGEN (BUN): SERUM		mg/dL	7.0 - 25.0
by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE		11.17	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE UREA/CREATININ		23.91	RATIO	
by CALCULATED, SPE	ECTROPHOTOMETRY			
URIC ACID: SERUM by URICASE - OXIDAS		5.45	mg/dL	3.60 - 7.70
CALCIUM: SERUM		9.74	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		3.11	mg/dI	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	5.11	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		144.2	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV POTASSIUM: SERU		4.1	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	E ELECTRODE)			
CHLORIDE: SERUM		108.15	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE			
ESTIMATED GLOM	ERULAR FILTERATION RATE	19.4		
(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.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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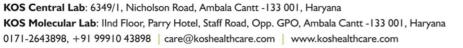
	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		robiology)	Dr. Yugam Chopra MD (Pathology) st CEO & Consultant Pathologist					
IAME	: Mr. M.G SHA	RMA							
AGE/ GENDER	: 90 YRS/MAL	Е		PATIENT ID	: 1	661457			
COLLECTED BY	: SURJESH			REG. NO./LAB NO	. :0	124110500	29		
REFERRED BY				REGISTRATION D		5/Nov/2024			
BARCODE NO.	: 01520125			COLLECTION DAT		5/Nov/2024			
CLIENT CODE.	: KOS DIAGNO			REPORTING DAT	E :0	5/Nov/2024	07:12PM		
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMI	SALA CANTI						
Fest Name			Value	Un	it	Biolog	gical Refer	ence inter	va
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< 	ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed c 0:1) WITH DECR	creatinine productio acocorticoids) ATED CREATININE LEV roportionately more on renal disease.	ELS:	ne) (e.g. obstructive	e uropathy).				et,
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE G1	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes DLAR FILTERATIO	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : Attack of the sease a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increate eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function	ELS: than creatini out of extract blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90	hodologies, ASSOCIA	TED FINDINGS		when dehy	
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients VAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes DIAR FILTERATIO	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : Attack of the sease a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increate eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with	ELS: than creatini out of extract blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). lar secretion of urea ne). ne with certain met	hodologies, ASSOCIA Presence	TED FINDINGS proteinuria ce of Protein ,	<u>}</u>	when dehy	
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL G1 G2	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes DIAR FILTERATIO	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : Attack of the sease a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increate eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	ELS: than creatini out of extract blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90 >90	hodologies, ASSOCIA Presence	TED FINDINGS	<u>}</u>	when dehy	
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther <u>STIMATED GLOMERU G1 G2 G3a </u>	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. Ind starvation. 2: creased urea sy urea rather tha monemias (urea of inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes DAR FILTERATIO	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increate eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR id decrease in GFR	TELS: than creatini out of extrac blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). lar secretion of urea ne). ne with certain met <u>hL/min/1.73m2) >90 >90 60 -89</u>	hodologies, ASSOCIA Presence	TED FINDINGS proteinuria ce of Protein ,	<u>}</u>	when dehy	
G1 G2	(e.g. ureter cold ass (subnormal tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. Ind starvation. creased urea sy urea rather tha monemias (urea f inappropiate a 0:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes y ULAR FILTERATIO Nor Nor Nor Mod	creatinine productio accorticoids) ATED CREATININE LEV roportionately more on renal disease. EASED BUN : Attack of the sease a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increate eatinine ratio). with creatinine meas N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	TELS: than creatini out of extrac blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90 >90	hodologies, ASSOCIA Presence	TED FINDINGS proteinuria ce of Protein ,	<u>}</u>	when dehy	





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

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









			Biological Reference interval
	·····, ·······························		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 05/Nov/2024 07:12PM
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COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411050029
AGE/ GENDER	: 90 YRS/MALE	PATIENT ID	: 1661457
NAME	: Mr. M.G SHARMA		
	Chairman & Consul		
	Dr. Vinay Choj MD (Pathology & M		I m Chopra D (Pathology)

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





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	1	Dr. Vinay Chop 1D (Pathology & Mi Chairman & Consult:	crobiology)		Pathology)
NAME	: Mr. M.G SHA	RMA			
AGE/ GENDER	: 90 YRS/MALI	2		PATIENT ID	: 1661457
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CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, AM	BALA CANTT		
Test Name			Value	Unit	Biological Reference interva
			IRON	PROFILE	
IRON: SERUM			43.74 ^L	μg/dL	59.0 - 158.0
UNSATURATED IR			219.73	μg/dL	150.0 - 336.0
:SERUM				10/	
by FERROZINE, SPEC TOTAL IRON BIND			263.47	µg/dL	230 - 430
:SERUM		(1120)	200.11	µ8/ 41	200 100
by SPECTROPHOTOM			10.0	0.4	
%TRANSFERRIN S by CALCULATED, SPE			16.6	%	15.0 - 50.0
TRANSFERRIN: SE	RUM	,,	187.06 ^L	mg/dL	200.0 - 350.0
by SPECTROPHOTON	METERY (FERENE)			-	
INTERPRETATION:- VARIAE	RI FS	ANEMIA OF CHRO	NIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERIIMI		Normal to Re		Reduced	Normal

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM IRON:	Normal to Reduced	Reduced	Normal
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal
% TRANSFERRIN SATURATION: Decreased		Decreased < 12-15 %	Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased
IDON.			

IRON:

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency

anemia, anemia of chronic disease and thalassemia syndromes.
 It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC): It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

% TRANSFERRIN SATURATION:

1. Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





		hopra & Microbiology) nsultant Pathologist	Dr. Yugam C MD (Pa CEO & Consultant Par	thology)	
NAME	: Mr. M.G SHARMA				
AGE/ GENDER	: 90 YRS/MALE	PATIE	NT ID	1661457	
COLLECTED BY	: SURJESH	REG. N	O./LAB NO.	012411050029	
REFERRED BY	:	REGIS	FRATION DATE	05/Nov/2024 10:21 AM	
BARCODE NO.	: 01520125	COLLE	CTION DATE	05/Nov/2024 10:43AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOI	RTING DATE	05/Nov/2024 12:39PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference	ce interval
		ENDOCRINO	LOGY		
	T	HYROID FUNCTION	TEST: TOTAL		
TRIIODOTHYRONI	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNO/	0.827 ASSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): S	SERUM IESCENT MICROPARTICLE IMMUNO	5.46 ASSAY)	µgm/dL	4.87 - 12.60	
	ATING HORMONE (TSH): SER		µIU/mL	0.35 - 5.50	
3rd GENERATION, ULT	RASENSITIVE				
	circadian variation, reaching peak leve measured serum TSH concentrations. T	TSH stimulates the production	and secretion of the metal		e (T4)and
triiodothyronine (T3).Fai					
triiodothyronine (T3).Fai	vroidism) of T4 and/or T3.	T4		TSH	

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism , recent rapid correction of hyperthyroidism or hypothyroidism , pregnancy , phenytoin therapy.

TRIIODOTH	THYRONINE (T3) THYROXI		INE (T4)	NE (T4) THYROID STIMUL		
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (µIU/mL)	
0-7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3	
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00	
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40	
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	

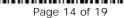




DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mr. M.G SHARMA		
AGE/ GENDER	: 90 YRS/MALE	PATIENT ID	: 1661457
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411050029
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Test Name		Value	Unit		Biological Reference interva	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECON	IMENDATIONS OF TSH L	EVELS DURING PRE	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

INCREASED TSH LEVELS:

1. Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

2. Over replacement of thyroid hormone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester





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.



	MD (F	/inay Chopra Pathology & Microbiology) man & Consultant Pathologis		(Pathology)
AME	: Mr. M.G SHARMA			
GE/ GENDER	: 90 YRS/MALE		PATIENT ID	: 1661457
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012411050029
EFERRED BY	:		REGISTRATION DATE	: 05/Nov/2024 10:21 AM
BARCODE NO.	: 01520125		COLLECTION DATE	: 05/Nov/2024 10:43AM
LIENT CODE.	: KOS DIAGNOSTIC	LAB	REPORTING DATE	:05/Nov/2024 12:39PM
LIENT ADDRESS	: 6349/1, NICHOLS	ON ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	DROXY VITAMIN D3		Y DROXY VITAMIN D ng/mL	3 DEFICIENCY: < 20.0
			IIg/ IIIL	
	ESCENCE IMMUNOASSA	¥)		INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
NTERPRETATION:			n	SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>Nterpretation:</u> Defi Insuf	CIENT: FICIENT:	< 20 21 - 29	n	SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0 g/mL
<u>Interpretation:</u> Defi Insuf Prefferi Intox	CIENT: FICIENT: ED RANGE: ICATION:	< 20 21 - 29 30 - 100 > 100		SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0

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)





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)	
AME	: Mr. M.G SHARMA				
GE/ GENDER	: 90 YRS/MALE	РАТ	TENT ID	: 1661457	
OLLECTED BY	: SURJESH	REG	. NO./LAB NO.	: 012411050029	
EFERRED BY			ISTRATION DATE	: 05/Nov/2024 10:21 AM	
ARCODE NO.	: 01520125		LECTION DATE	: 05/Nov/2024 10:43AM	
LIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 05/Nov/2024 12:39PM	
			OKIING DAIL	: 05/ N0V/ 2024 12.59FM	
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	IMBALA CAN I I			
est Name		Value	Unit	Biological Reference interval	
VTERPRETATION:-	IESCENT MICROPARTICLE IMMUNOAS			1812	
1.Ingestion of Vitam		1.Pregnancy	DECREASED VITAIVIII		
2.Ingestion of Estro			pirin, Anti-convulsants	, Colchicine	
3.Ingestion of Vitam		3.Ethanol Ige			
4.Hepatocellular in			tive Harmones		
	e disorder	E Lloomodial	5.Haemodialysis		
5.Myeloproliferativ	e diser dei				
6.Uremia	amin) is necessary for hematopo	6. Multiple N	lyeloma		





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 Cł MD (Pathology & Chairman & Cor		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. M.G SHARMA : 90 YRS/MALE : SURJESH : : 01520125 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	REG REG COL REP	TENT ID 5. NO./LAB NO. HISTRATION DATE LECTION DATE ORTING DATE	: 1661457 : 012411050029 : 05/Nov/2024 10:21 AM : 05/Nov/2024 10:43AM : 05/Nov/2024 12:51PM
Test Name		Value	Unit	Biological Reference interval
SERUM by CLIA (CHEMILUMIN. INTERPRETATION: NOTE: 1. This is a recommer 2. False negative / pc 3. PSA levels may app 4. Immediate PSA tes needle biopsy of pros 5. PSA values regardl correlated with clinic 6. Sites of Non-prost 7. Physiological decre sexual activity 8. The concentration	IC ANTIGEN (PSA) - TOTAL: ESCENCE IMMUNOASSAY) anded test for detection of prosta ositive results are observed in pro- bear consistently elevated / depi- sting following digital rectal exa- state is not recommended as the ess of levels should not be inter- cal findings and results of other atic PSA production are breast e- ease in PSA level by 18% has been of PSA in a given specimen, dete	atients receiving mouse ressed due to the inter- mination, ejaculation, ey falsely elevate levels preted as absolute evic investigations epithelium, salivary gla en observed in hospital ermined with assays fro	ng/mL igital Rectal Examinati e monoclonal antibod ference by heterophili prostatic massage, inc dence of the presence nds, peri-urethral & a ized / sedentary patie	0.0 - 4.0 ion (DRE) in males above 50 years of age.
RECOMMENDED TEST 1. Preoperatively (Ba 2. 2-4 Days Post oper 3. Prior to discharge	seline) ratively	a rising trend	REQUENCY OF TESTING Every 3 Months Every 4 Months	G
CLINICAL USE:	rd Year Onwards	oon used in conjunction	Every 6 Months	amination in males more than 50 years of age

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

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

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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist		
NAME	: Mr. M.G SHARMA		
AGE/ GENDER	: 90 YRS/MALE	PATIENT ID	: 1661457
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411050029
REFERRED BY	:	REGISTRATION DATE	: 05/Nov/2024 10:21 AM
BARCODE NO.	: 01520125	COLLECTION DATE	: 05/Nov/2024 10:43AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 05/Nov/2024 12:51PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue Unit	Biological Reference interval

*** End Of Report **



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

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

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