



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultan	obiology)		(Pathology)	
NAME	: Mr. A.K GUPTA				
AGE/ GENDER	: 75 YRS/MALE		PATIENT ID	: 1785157	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503100015	
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBAI	LA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM	
BARCODE NO.	: 01526846		COLLECTION DATE	: 10/Mar/2025 10:10AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 10:36AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT			
Test Name		Value	Unit	Biological Reference int	terval
HAEMOGLOBIN (HE	(RBCS) COUNT AND INDICES	PLETE BL	OOD COUNT (CBC) gm/dL	12.0 - 17.0	
by CALORIMETRIC RED BLOOD CELL (F		4	Millions/	/cmm 3.50 - 5.00	
PACKED CELL VOLU	DCUSING, ELECTRICAL IMPEDENCE ME (PCV) JTOMATED HEMATOLOGY ANALYZER	36 ^L	%	40.0 - 54.0	
MEAN CORPUSCULA		90	fL	80.0 - 100.0	
MEAN CORPUSCULA	AR HAEMOGLOBIN (MCH)	30.1	pg	27.0 - 34.0	
MEAN CORPUSCULA	AR HEMOGLOBIN CONC. (MCHC)	33.5	g/dL	32.0 - 36.0	
RED CELL DISTRIBU	TION WIDTH (RDW-CV)	14.5	%	11.00 - 16.00	
RED CELL DISTRIBU	JTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	48.9	fL	35.0 - 56.0	
MENTZERS INDEX by CALCULATED		22.5	RATIO	BETA THALASSEMIA TF 13.0 IRON DEFICIENCY ANE >13.0	
GREEN & KING IND by CALCULATED		32.73	RATIO	BETA THALASSEMIA TF 65.0 IRON DEFICIENCY ANE 65.0	
WHITE BLOOD CEL			A L		
TOTAL LEUCOCYTE by FLOW CYTOMETRY	COUNT (TLC) by sf cube & microscopy	9040	/cmm	4000 - 11000	
NUCLEATED RED BI	LOOD CELLS (nRBCS) T HEMATOLOGY ANALYZER	NIL		0.00 - 20.00	
NUCLEATED RED BI	LOOD CELLS (nRBCS) % Itomated hematology analyzer	NIL	%	< 10 %	





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

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

 KOS Molecular Lab: 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 Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. A.K GUPTA AGE/ GENDER : 75 YRS/MALE **PATIENT ID** :1785157 **COLLECTED BY** : SURJESH :012503100015 REG. NO./LAB NO. **REFERRED BY** : CENTRAL PHOENIX CLUB (AMBALA CANTT) **REGISTRATION DATE** : 10/Mar/2025 09:56 AM **BARCODE NO.** :01526846 **COLLECTION DATE** :10/Mar/202510:10AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 10/Mar/2025 10:36AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 55 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 29 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 10^H % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 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 4972 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2622 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 904^H /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 542 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE IMMATURE GRANULOCYTE COUNT 0.0 - 999.00 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 225000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.27 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 88000 /cmm 30000 - 90000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 39 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.3% 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE



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. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 10:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTI	ſ	
Test Name	Value	Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

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









	Dr. Vinay Che MD (Pathology & Chairman & Cons		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. A.K GUPTA			
AGE/ GENDER	: 75 YRS/MALE	PA	ATIENT ID	: 1785157
COLLECTED BY	: SURJESH	RI	EG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AI	MBALA CANTT) RI	EGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	:01526846	,	DLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 10/Mar/2025 01:14PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAE	MOGLOBIN (HBA1C)	
GLYCOSYLATED HAE			MOGLOBIN (HBA1C) %	4.0 - 6.4
WHOLE BLOOD	MOGLOBIN (HbA1c):	COSYLATED HAE! 8.1 ^H	· · · · · ·	
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c):		· · · · · ·	
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	8.1 ^H 185.77 ^H	% mg/dL	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAG by HPLC (HIGH PERFORM INTERPRETATION:	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD	% mg/dL	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD	% mg/dL VA):	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD	% mg/dL DA): TED HEMOGLOGIB (HBAIC) in <5.7 5.7 - 6.4	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD	% mg/dL MA): TED HEMOGLOGIB (HBAIC) in <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD GLYCOSYLAT	% mg/dL <u>A):</u> <u>TED HEMOGLOGIB (HBAIC) in</u> <5.7 <u>5.7 - 6.4</u> >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD GLYCOSYLAT Goals of Therap	% mg/dL PA): TED HEMOGLOGIB (HBAIC) in <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years py: <7.0	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD GLYCOSYLAT	% mg/dL PA): TED HEMOGLOGIB (HBAIC) in <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years Py: <7.0 ed: <7.0	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Diag	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	8.1 ^H 185.77 ^H ETES ASSOCIATION (AD GLYCOSYLAT Goals of Therap	% mg/dL PA): TED HEMOGLOGIB (HBAIC) in <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years Py: <7.0 ed: <7.0 Age < 19 Years	4.0 - 6.4 60.00 - 140.00

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 4.High appropiate.

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.





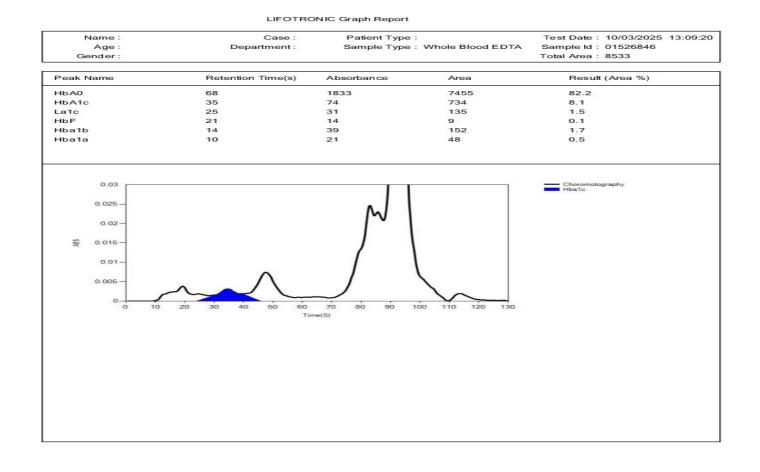
DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







Test Name	Value	Unit	Biological Reference interval
ULIEN I ADDKESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
CLIENT ADDRESS	· 6240/1 MICHOLSON DOAD AMDALA CANTT		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 01:14PM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
NAME	: Mr. A.K GUPTA		
	MD (Pathology & Microbiology) Chairman & Consultant Pathologis	MD	(Pathology)
	Dr. Vinay Chopra	Dr. Yugan	n Chopra





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







		hopra & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
JAME	: Mr. A.K GUPTA			
GE/ GENDER	: 75 YRS/MALE	PAT	IENT ID	: 1785157
COLLECTED BY	: SURJESH	REG	NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT) REG	ISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COL	LECTION DATE	: 10/Mar/2025 10:10AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 10/Mar/2025 11:38AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
ystemic lupus erythe	ematosus	5	15	bove diseases as well as some others, such as

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)







	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mr. A.K GUPTA			
AGE/ GENDER	: 75 YRS/MALE		PATIENT ID	: 1785157
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	IBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846		COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 11:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	PROTH	IROMBIN TI	ME STUDIES (PT/IN	R)
PT TEST (PATIENT by photo optical c		12.1	SECS	11.5 - 14.5
PT (CONTROL) by PHOTO OPTICAL C	LOT DETECTION	12	SECS	
ISI by PHOTO OPTICAL C	LOT DETECTION	1.1		
	NORMALISED RATIO (INR)	1.01		0.80 - 1.20
INTERNATIONAL I by PHOTO OPTICAL C				

INTERPRETATION:-

1.INR is the parameter of choice in monitoring adequacy of oral anti-coagulant therapy. Appropriate therapeutic range varies with the disease and treatment intensity.

2. Prolonged INR suggests potential bleeding disorder /bleeding complications

3. Results should be clinically correlated.

4. Test conducted on Citrated Plasma

RECOMMENDED THERAPEUTIC RANGE FOR INDICATION	UKAL ANTI-UU		RAPY (INR) VAL NORMALIZED RATIC (INR)
Treatment of venous thrombosis			
Treatment of pulmonary embolism			
Prevention of systemic embolism in tissue heart valves			
Valvular heart disease	Low Intensity		2.0 - 3.0
Acute myocardial infarction			
Atrial fibrillation			
Bileaflet mechanical valve in aortic position			
Recurrent embolism			
Mechanical heart valve	High Intensity		2.5 - 3.5
Antiphospholipid antibodies ⁺			
COMMENTS:			





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 Pathologis		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 11:47AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	,	
Test Name	Value	Unit	Biological Reference interval

The prothrombin time (PT) and its derived measures of prothrombin ratio (PR) and international normalized ratio (INR) are measures of the efficacy of the extrinsic pathway of coagulation. PT test reflects the adequacy of factors I (fibrinogen), II (prothrombin), V, VII, and X. It is used in conjunction with the activated partial thromboplastin time (aPTT) which measures the intrinsic pathway. The common causes of prolonged prothrombin time are :

1.Oral Anticoagulant therapy.

2.Liver disease.

3.Vit K. deficiency.

4.Disseminated intra vascular coagulation.

5.Factor 5, 7, 10 or Prothrombin dificiency



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







		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugarr MD CEO & Consultant	(Pathology)
NAME	: Mr. A.K GUPTA			
AGE/ GENDER	: 75 YRS/MALE]	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	1	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB	(AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	:01526846	(COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 10/Mar/2025 11:12AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN		FRY/BIOCHEMIST FASTING (F)	ry
GLUCOSE FASTING	G (F): PLASMA E - peroxidase (god-pod)	107.04 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

A fasting plasma glucose level below 100 mg/dl is considered normal.
 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.
 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.



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.





30 9001.2000 CENT	IFIED LAB			
Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar		& Microbiology)		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. A.K GUPTA : 75 YRS/MALE : SURJESH : CENTRAL PHOENIX CLUB (A : 01526846 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		COLLECTION DATE REPORTING DATE	: 1785157 : 012503100015 : 10/Mar/2025 09:56 AM : 10/Mar/2025 10:10AM : 10/Mar/2025 11:40AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		104.02	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM phate oxidase (enzymatic)	181.56 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 70N	37.86	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO		29.85	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES' by CALCULATED, SPE		66.16	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER		36.31	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF	RUM	389.6	mg/dL	350.00 - 700.00
by CALOLATED, SPE CHOLESTEROL/HI by CALCULATED, SPE	DL RATIO: SERUM	2.75	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		hopra & Microbiology) nsultant Pathologis		(Pathology)	
NAME	: Mr. A.K GUPTA				
AGE/ GENDER	: 75 YRS/MALE		PATIENT ID	: 1785157	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503100015	
REFERRED BY	: CENTRAL PHOENIX CLUB (A	AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM	
BARCODE NO.	:01526846		COLLECTION DATE	: 10/Mar/2025 10:10AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 11:40AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval	
LDL/HDL RATIO: S by CALCULATED, SPE		0.79	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0	
TRIGLYCERIDES/H by CALCULATED, SPE		4.8	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)







U/L

U/L

gm/dL

gm/dL

gm/dL

RATIO

40.0 - 130.0

0.00 - 55.0

6.20 - 8.00

3.50 - 5.50

2.30 - 3.50

1.00 - 2.00

	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta	crobiology)		(Pathology)
NAME	: Mr. A.K GUPTA			
AGE/ GENDER	: 75 YRS/MALE]	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBA	ALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	:01526846		COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	J	REPORTING DATE	: 10/Mar/2025 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: by DIAZOTIZATION, SF	SERUM PECTROPHOTOMETRY	0.92	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.76	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	20.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	21	U/L	0.00 - 49.00
AST/ALT RATIO: SI	ERUM	0.99	RATIO	0.00 - 46.00

A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

by CALCULATED, SPECTROPHOTOMETRY

by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM

by BIURET, SPECTROPHOTOMETRY

by CALCULATED, SPECTROPHOTOMETRY ALKALINE PHOSPHATASE: SERUM

by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL

GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM

ALBUMIN: SERUM

by BROMOCRESOL GREEN **GLOBULIN: SERUM**

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:

PROPANOL

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)

72.13

41.86

6.8

4.14

2.66

1.56





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

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



INTERPRETATION





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	
Test Name	Value	Unit	Biological Reference interval

DECREASED:

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

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

PROGNOSTIC SIGNIFICANCE:

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



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

MBBS, MD (PATHOLOGY)







	Dr. Vinay Cho MD (Pathology & N Chairman & Const	1icrobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mr. A.K GUPTA			
AGE/ GENDER	: 75 YRS/MALE	PA	TIENT ID	: 1785157
COLLECTED BY	: SURJESH	RH	EG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	BALA CANTT) RE	EGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	CO	DLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RF	EPORTING DATE	: 10/Mar/2025 01:52PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	KIDNI	EX FUNCTION '	TEST (COMPLETE)	
UREA: SERUM		34.65	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)	04.00	ing, all	10.00 00.00
CREATININE: SERU by ENZYMATIC, SPECT		1.43 ^H	mg/dL	0.40 - 1.40
	OGEN (BUN): SERUM	16.19	mg/dL	7.0 - 25.0
	OGEN (BUN)/CREATININE	11.32	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPEC		24.23	RATIO	
by CALCULATED, SPEC		~ 1.~O		
URIC ACID: SERUM by URICASE - OXIDASE		2.48 ^L	mg/dL	3.60 - 7.70
CALCIUM: SERUM	PEROXIDASE	9.95	mg/dL	8.50 - 10.60
by ARSENAZO III, SPEC				
PHOSPHOROUS: SEE	RUM ate, spectrophotometry	2.91	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		139.9	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE				
POTASSIUM: SERUN by ISE (ION SELECTIVE		5.03 ^H	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIVE		104.93	mmol/L	90.0 - 110.0
	ERULAR FILTERATION RATE			
(eGFR): SERUM by calculated INTERPRETATION:	ERULAR FILTERATION RATE	51.1		

To differentiate between pre- and post renal azotemia. INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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

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

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

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

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

 www.koshealthcare.com
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		Chopra & Microbiology) onsultant Pathologist		m Chopra D (Pathology) nt Pathologist	
NAME	: Mr. A.K GUPTA				
AGE/ GENDER	: 75 YRS/MALE	P	ATIENT ID	: 1785157	
OLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	:012503100015	
EFERRED BY	: CENTRAL PHOENIX CLUB	`	EGISTRATION DATE	: 10/Mar/2025 09:	
ARCODE NO.	: 01526846		DLLECTION DATE	: 10/Mar/2025 10:	
LIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 10/Mar/2025 01:5	52PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT			
Fest Name		Value	Unit	Biologica	al Reference interval
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia 	(e.g. ureter colostomy) ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas	NE LEVELS: I more than creatinine) (e.g. obstructive urop	pathy).	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Perenal azotemia Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome c Pregnancy. PECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido cephalosporin ther 	ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine ILAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage	NE LEVELS: more than creatinine e. ffuses out of extracell issent in blood). rmone) due to tubular JINE: creatine to creatinine) increase in creatinine measurement). J GFR (mL/ with	ular fluid). secretion of urea. with certain methodo <u>(min/1.73m2) A</u> >90	logies,resulting in norm SSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydratio
. Reduced muscle m . Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia Perenal azotemia DECREASED RATIO (<1 . Acute tubular necr . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis (. Inherited hyperam . SIADH (syndrome c . Pregnancy. DECREASED RATIO (<1 . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido hould produce an in . Cephalosporin ther STIMATED GLOMERL CKD STAGE G1 G2	ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine ILAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage v normal or high (NE LEVELS: more than creatinine e. ffuses out of extracell issent in blood). rmone) due to tubular JINE: creatine to creatinine increase in creatinine measurement). I GFR (mL/ mith GFR	ular fluid). secretion of urea. with certain methodo (min/1.73m2) A >90 Al	logies,resulting in norm ISSOCIATED FINDINGS No proteinuria	nal ratio when dehydratio
Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CENTARED GLOMERL G1 G2	ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of de eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine UAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage v normal or high (Mild decrease in	NE LEVELS: more than creatinine e. ffuses out of extracell sent in blood). mone) due to tubular JINE: creatine to creatinine emeasurement). Image: oreasurement). Mathematical Stress Mathematical Stress GFR GFR GFR	ular fluid). secretion of urea. with certain methodo (min/1.73m2) A >90 >90 >90 Al	logies,resulting in norm SSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydration
Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEphalosporin ther STIMATED GLOMERL G1 G2	ass (subnormal creatinine pro tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATINI (BUN rises disproportionately superimposed on renal diseas 0:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine di monemias (urea is virtually ab f inappropiate antidiuretic har 0:1) WITH INCREASED CREATIN py (accelerates conversion of c eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false creased BUN/creatinine ratio) apy (interferes with creatinine ILAR FILTERATION RATE: DESCRIPTION Normal kidney fur Kidney damage v normal or high (NE LEVELS: more than creatinine e. ffuses out of extracell usent in blood). rmone) due to tubular JINE: creatine to creatinine increase in creatinine measurement). I GFR GFR in GFR in GFR	ular fluid). secretion of urea. with certain methodo (min/1.73m2) A >90 Al	logies,resulting in norm SSOCIATED FINDINGS No proteinuria Presence of Protein ,	nal ratio when dehydratio





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

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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 01:52PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval

COMMENTS:

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

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

ADVICE:

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



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

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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	2	
Test Name	Value	Unit	Biological Reference interval
	IRON	PROFILE	

	IRON PRO	DFILE	
IRON: SERUM by FERROZINE, SPECTROPHOTOMETRY	93.3	µg/dL	59.0 - 158.0
UNSATURATED IRON BINDING CAPACITY (UIBC) :SERUM by FERROZINE, SPECTROPHOTOMETERY	249.3	μg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) :SERUM by SPECTROPHOTOMETERY	342.6	µg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by Calculated, spectrophotometery (ferene)	27.23	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)	243.25	mg/dL	200.0 - 350.0
INTERPRETATION:-			
VARIABLES ANEMIA OF CHROI	NIC DISEASE IRC	ON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT

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):

1.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.





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 Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 01:52PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	ſ	
Test Name	Value	Unit	Biological Reference interval
	МАС	GNESIUM	
MAGNESIUM: SERU	1.30	mg/dL	1.6 - 2.6

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION:-

1. Magnesium along with potassium is a major intracellular cation.

2.Magnesium is a cofactor of many enzyme systems. All adenosine triphosphate (ATP)-dependent enzymatic reactions require magnesium as a cofactor. 3.Approximately 70% of magnesium ions are stored in bone. The remainder is involved in intermediary metabolic processes; about 70% is present in free form while the other 30% is bound to proteins (especially albumin), citrates, phosphate, and other complex formers. The serum magnesium level is kept constant within very narrow limits. Regulation takes place mainly via the kidneys, primarily via the ascending loop of Henle.

INCREASD (HYPERMAGNESIA):-Conditions that interfere with glomerular filtration result in retention of magnesium and hence elevation of serum concentrations.

1. Acute and chronic renal failure.

2.magnesium overload.

3. Magnesium release from the intracellular space.

4.Mild-to-moderate hypermagnesemia may prolong atrioventricular conduction time. Magnesium toxicity may result in central nervous system (CNS) depression, cardiac arrest, and respiratory arrest.

DECREASED (HYPOMAGNESIA):-

1.Chronic alcoholism.

- 2.Childhood malnutrition.
- 3. Malabsorption.
- 4. Acute pancreatitis.
- 5.Hypothyroidism.

6.Chronic glomerulonephritis.

7.Aldosteronism.

8. Prolonged intravenous feeding.

NOTE:-

Numerous studies have shown a correlation between magnesium deficiency and changes in calcium-, potassium-, and phosphate-homeostasis which are associated with cardiac disorders such as ventricular arrhythmias that cannot be treated by conventional therapy, increased sensitivity to digoxin, coronary artery spasms, and sudden death. Additional concurrent symptoms include neuromuscular and neuropsychiatric disorders.





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



Page 18 of 25





	Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Path		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CAI	NTT) REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	e Unit	Biological Reference interva
	ENI	DOCRINOLOGY	
	THYROID F	UNCTION TEST: TOTAL	
			0.35 - 1.93
by CMIA (CHEMILUMII THYROXINE (T4):	NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY)	33 ng/mL	0.35 - 1.93 4.87 - 12.60
THYROXINE (T4): by CMIA (CHEMILUMII THYROID STIMUL	NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY) SERUM 5.15	63 ng/mL 6 μgm/dL	
by CMIA (CHEMILUMII THYROXINE (T4): by CMIA (CHEMILUMII THYROID STIMULA	NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY) SERUM NESCENT MICROPARTICLE IMMUNOASSAY) ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASSAY)	63 ng/mL 6 μgm/dL	4.87 - 12.60

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.

TRIIODOTHYRONINE (T3)		THYROX	INE (T4)	THYROID STIMULATING HORMONE (TSH)	
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 Pathologis		Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	:01526846	COLLECTION DATE	:10/Mar/202510:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 11:40AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name			Value	Unit	t	Biological Reference interval
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 LI	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)







	MD (Pathology & Chairman & Cons			(Pathology) Pathologist	
NAME	: Mr. A.K GUPTA				
AGE/ GENDER	: 75 YRS/MALE		PATIENT ID	: 1785157	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012503100015	
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	MBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM	
BARCODE NO.	: 01526846		COLLECTION DATE	: 10/Mar/2025 10:10AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 11:40AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	IMM	UNOPATH	OLOGY/SEROLOGY	<i>t</i>	
		C-REACTIVE	PROTEIN (CRP)		
C-REACTIVE PROT SERUM by NEPHLOMETRY INTERPRETATION:	EIN (CRP) QUANTITATIVE:	0.77	mg/L	0.0 - 6.0	
	(CRP) is one of the most sensitive rease dramatically (100-fold or m	e acute-phase rea ore) after severe	e trauma, bacterial infectior	n, inflammation, surgery, or neoplastic ections after surgery, to detect transplant	

not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. **NOTE:**

Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.
 Oral contraceptives may increase CRP levels.

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 Diagnostic Lab (A Unit of KOS Healthcare)

09001:2008 CERTI	FIED LAB		EXCELLENCE IN HEALTHCARE		
	MD (Path	ay Chopra nology & Microbiology) n & Consultant Pathologist		(Pathology)	
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: 01526846 : KOS DIAGNOSTIC LA	LUB (AMBALA CANTT)	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1785157 : 012503100015 : 10/Mar/2025 09: : 10/Mar/2025 10: : 10/Mar/2025 11:	IOAM
Test Name		Value	Unit	Biologica	l Reference interval
NTERPRETATION:	SCENCE IMMUNOASSAY)			SUFFICIE	CIENCY: 20.0 - 30.0 CNCY: 30.0 - 100.0 7: > 100.0
DEFIC		< 20		g/mL	
INSUFFI PREFFEREI		<u>21 - 29</u> 30 - 100		g/mL g/mL	
conversion of 7- dihvd 2.25-OHVitamin D re issue and tightly bour 3. Vitamin D plays a pr obosphate reabsorptio 4. Severe deficiency ma DECREASED: 1. Lack of sunshine exp 2. Inadequate intake, r 3. Depressed Hepatic V 4. Secondary to advanc 5. Osteoporosis and Se 5. Enzyme Inducing dru NCREASED: 1. Hypervitaminosis D severe hypercalcemia CAUTION: Replacemen hypervitaminosis D	Is are derived from diel rocholecalciferol to Vita presents the main body of by a transport prote imary role in the mainton, skeletal calcium dec ay lead to failure to mir osure. nalabsorption (celiac di 'itamin D 25- hydroxyla condary Hyperparathro igs: anti-epileptic drugs is Rare, and is seen only and hyperphophatemia t therapy in deficient in paividuals as compare to	amin D3 in the skin upon l resevoir and transport for n while in circulation. enance of calcium homeo: osition, calcium mobilizat eralize newly formed oste sease) se activity idism (Mild to Moderate of like phenytoin, phenobar y after prolonged exposure dividuals must be monitor	plants, Vitamin D2), or cho Ultraviolet exposure. rm of Vitamin D and trans statis. It promotes calciun tion, mainly regulated by p eoid in bone, resulting in r	port form of Vitamin E n absorption, renal ca barathyroid harmone (ickets in children and that increases Vitamin of Vitamin D. When it t of Vitamin D levels in	being stored in adipose cium absorption and PTH). osteomalacia in adults. D metabolism. occurs, it can result in order to prevent



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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam MD CEO & Consultant	(Pathology)	
IAME	: Mr. A.K GUPTA				
GE/ GENDER	: 75 YRS/MALE		1	PATIENT ID	: 1785157
OLLECTED BY	: SURJESH		REG. NO./LAB NO. AMBALA CANTT) REGISTRATION DATE		: 012503100015
REFERRED BY		NIX CLUB (AM			: 10/Mar/2025 09:56 AM
		NIA CLUD (AN			
SARCODE NO.	:01526846			COLLECTION DATE	: 10/Mar/2025 10:10AM
LIENT CODE.	: KOS DIAGNOSTI			REPORTING DATE	: 10/Mar/2025 11:53AM
LIENT ADDRESS	: 6349/1, NICHOI	LSON ROAD, A	MBALA CANTT		
Fest Name			Value	Unit	Biological Reference interval
NIFRPREIATION:-					
INCREAS	ED VITAMIN B12			DECREASED VITAMIN	NB12
INCREAS 1.Ingestion of Vitan	nin C		1.Pregnar	ncy	
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro	nin C gen		2.DRUGS	ncy Aspirin, Anti-convulsants	
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	nin C gen hin A		2.DRUGS 3.Ethanol	ncy Aspirin, Anti-convulsants Igestion	
INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in	nin C gen nin A jury		2.DRUGS 3.Ethanol 4. Contra	cy Aspirin, Anti-convulsants Igestion ceptive Harmones	
NTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia .Vitamin B12 (cobal	nin C gen nin A jury e disorder		2.DRUGS 3.Ethanol 4. Contra 5.Haemo 6. Multip	ncy Aspirin, Anti-convulsants Igestion ceptive Harmones dialysis e Myeloma	





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 Pathologist			m Chopra D (Pathology) ht Pathologist
NAME	: Mr. A.K GUPTA			
AGE/ GENDER	: 75 YRS/MALE	I	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	I	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AI			: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846		COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Mar/2025 11:53AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			. 10/ 141/ 2020 11:00/14
	. 0040/ 1, Wendlolon Rond, I			
Test Name		Value	Unit	Biological Reference interval
INTERPRETATION: NOTE: 1. This is a recommen 2. False negative / po 3. PSA levels may app 4. Immediate PSA tes needle biopsy of pros 5. PSA values regardle correlated with clinic 6. Sites of Non-prosta 7. Physiological decre sexual activity 8. The concentration	sitive results are observed in par ear consistently elevated / depre- ting following digital rectal exam tate is not recommended as they ess of levels should not be interp ral findings and results of other i atic PSA production are breast ep- ease in PSA level by 18% has been	tients receiving mo essed due to the in hination, ejaculatio (falsely elevate lev reted as absolute nvestigations bithelium, salivary n observed in hosp mined with assays	ouse monoclonal antibo nterference by heterophi on, prostatic massage, ir vels evidence of the presence glands, peri-urethral & bitalized / sedentary pati	tion (DRE) in males above 50 years of age. dies for diagnosis or therapy lic antibodies & nonspecific protein binding ndwelling catheterization, ultrasonography and e or absence of disease. All values should be anal glands, cells of male urethra & breast milk ents either due to supine position or suspended turers, may not be comparable due to differences
RECOMMENDED TEST 1. Preoperatively (Bas 2. 2-4 Days Post oper 3. Prior to discharge 4. Monthly Follow Up	ING INTERVALS seline) atively from hospital <u>b if levels are high and showing a</u> POST SURGERY 1st Year		FREQUENCY OF TESTIM Every 3 Months	IG
	2 nd Year		Every 4 Months	
	rd Year Onwards		Every 6 Months	
	detection of Prostate cancer whe		tion with Digital rectal e	xamination in males more than 50 years of age

2. Followup and management of Prostate cancer patients.

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

INCREASED LEVEL:

1. Prostate cancer

2. Benign Prostatic Hyperplasia

3. Prostatitis

4. Genitourinary infections

77

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

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

Page 24 of 25





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mr. A.K GUPTA		
AGE/ GENDER	: 75 YRS/MALE	PATIENT ID	: 1785157
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503100015
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 10/Mar/2025 09:56 AM
BARCODE NO.	: 01526846	COLLECTION DATE	: 10/Mar/2025 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 10/Mar/2025 11:53AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval

*** End Of Report ***



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

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

