



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam (MD (Pa CEO & Consultant Pa	athology)
NAME	: Mr. DEEP CHAND			
AGE/ GENDER	: 88 YRS/MALE	РАТ	TIENT ID	: 1563188
COLLECTED BY	:	REG	. NO./LAB NO.	: 012407280021
REFERRED BY	:	REG	SISTRATION DATE	: 28/Jul/2024 08:53 AM
BARCODE NO.	: 01513956	COI	LECTION DATE	: 28/Jul/2024 08:55AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 28/Jul/2024 09:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA WELLI	NESS PANEL: G	
	CON	APLETE BLOOD	COUNT (CBC)	
RED BLOOD CELLS (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB		12.3	gm/dL	12.0 - 17.0
by CALORIMETRIC			· ·	
RED BLOOD CELL (RE	3C) COUNT FOCUSING, ELECTRICAL IMPEDENCE	4.57	Millions/cmr	m 3.50 - 5.00
PACKED CELL VOLUM	ME (PCV)	38 ^L	%	40.0 - 54.0
by CALCULATED BY A MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER R VOLUME (MCV)	83.2	fL	80.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	00.2		00.0 100.0
MEAN CORPUSCULA	AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER	26.9 ^L	pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC)	32.3	g/dL	32.0 - 36.0
	automated hematology analyzer TON WIDTH (RDW-CV)	14.2	%	11.00 - 16.00
	AUTOMATED HEMATOLOGY ANALYZER	14.2	70	11.00 - 10.00
	TION WIDTH (RDW-SD)	44.2	fL	35.0 - 56.0
MENTZERS INDEX	AUTOMATED HEMATOLOGY ANALYZER	18.21	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	25.84	RATIO	BETA THALASSEMIA TRAIT: < =
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELL	<u>S (WBCS)</u>			
	COUNT (TLC) Y BY SF CUBE & MICROSCOPY	11530 ^H	/cmm	4000 - 11000
NUCLEATED RED BL		NIL		0.00 - 20.00
NUCLEATED RED BL	DOD CELLS (nRBCS) % Automated hematology analyzer &	NIL	%	< 10 %
DIFFERENTIAL LEUC	OCYTE COUNT (DLC)			



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Test Name		Value	Unit	Biological Reference interval
		83 ^H	%	50 - 70
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	9 ^L	%	20 - 40
EOSINOPHILS	BY SF CUBE & MICROSCOPY	1	%	1 - 6
MONOCYTES		7	%	2 - 12
•	Y BY SF CUBE & MICROSCOPY	0	0/	0.1
BASOPHILS by FLOW CYTOMETRY	' BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
	PHIL COUNT Y BY SF CUBE & MICROSCOPY	9570 ^H	/cmm	2000 - 7500
ABSOLUTE LYMPHO		1038	/cmm	800 - 4900
ABSOLUTE EOSINOP		115	/cmm	40 - 440
ABSOLUTE MONOCY		807	/cmm	80 - 880
ABSOLUTE BASOPHI		0	/cmm	0 - 110
•	Y BY SF CUBE & MICROSCOPY			
	IER PLATELET PREDICTIVE MARKE		100000	150000 450000
PLATELET COUNT (PL by hydro dynamic f	. I) OCUSING, ELECTRICAL IMPEDENCE	280000	/cmm	150000 - 450000
PLATELETCRIT (PCT)	OCUSING, ELECTRICAL IMPEDENCE	0.28	%	0.10 - 0.36
MEAN PLATELET VOI		10	fL	6.50 - 12.0
PLATELET LARGE CEL		67000	/cmm	30000 - 90000
PLATELET LARGE CEL		23.9	%	11.0 - 45.0
PLATELET DISTRIBUT by HYDRO DYNAMIC F		16	%	15.0 - 17.0

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Test Name		Value	Unit	Biological Reference interval
	GL	YCOSYLATED HAEMOGLO	OBIN (HBA1C)	
GLYCOSYLATED HAEM		8.5 ^H	%	4.0 - 6.4
NHOLE BLOOD by HPLC (HIGH PERFORM STIMATED AVERAGE F by HPLC (HIGH PERFORM	DGLOBIN (HbA1c): Mance liquid chromatography)		• • •	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	8.5 ^H	%	
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM <u>NTERPRETATION:</u> RE	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP	8.5 ^H 197.25 ^H	% mg/dL	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REI Non diabu	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	8.5 ^H 197.25 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HEN	% mg/dL 10GLOGIB (HBAIC) ii	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REC Non diab At R	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	8.5 ^H 197.25 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HEN 5.7	% mg/dL 10GLOGIB (HBAIC) ii (5.7 7 – 6.4	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REL Non diab At R	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	8.5 ^H 197.25 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HEN	% mg/dL 10GLOGIB (HBAIC) ii 5.7 7 – 6.4 = 6.5	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: REL Non diab At R	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	8.5 ^H 197.25 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HEN 5.7 > Age >	% mg/dL 10GLOGIB (HBAIC) in (5.7 7 – 6.4 = 6.5 19 Years	60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE F by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At R Diag	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	8.5 ^H 197.25 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HEN S S Age > Goals of Therapy:	% mg/dL 5.7 7 - 6.4 = 6.5 19 Years < 7.0	60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM STIMATED AVERAGE F by HPLC (HIGH PERFORM <u>NTERPRETATION:</u> RE Non diab At R Diag	DGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	8.5 ^H 197.25 ^H ETES ASSOCIATION (ADA): GLYCOSYLATED HEN 5.7 5.7 5.7 Social Suggested:	% mg/dL 10GLOGIB (HBAIC) in (5.7 7 – 6.4 = 6.5 19 Years	60.00 - 140.00

COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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.





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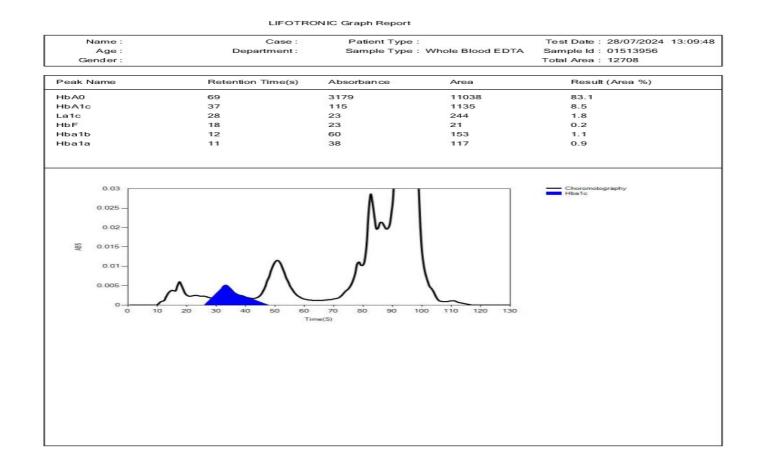
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Test Name		Value Unit	Biological Reference interval







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Test Name		Value Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENTATION RATE ((ESR)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	23 ^H mm/1	lst hr 0 - 20
immune 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), sig	does not tell the health practitio acted by other conditions besides be used to monitor disease activ ematosus W ESR In with conditions that inhibit the	ner exactly where the inflammation is in inflammation. For this reason, the ESR is ity and response to therapy in both of th normal sedimentation of red blood cell bunt (leucocytosis), and some protein al	s typically used in conjunction with other test such ne above diseases as well as some others, such as

NOTE:

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as devicen, methylicity and contracentives.

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



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Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY		Y
		GLUCOSE FAS	TING (F)	
GLUCOSE FASTING (by GLUCOSE OXIDAS	F): PLASMA se - peroxidase (god-pod)	131.92 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
1. A fasting plasma g 2. A fasting plasma g test (after consumpt 3. A fasting plasma g	ion of 75 gms of glucose) is recon	considered normal. ng/dl is considered as g nmended for all such pa s highly suggestive of c	itients. liabetic state. A repe	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for all





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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTA	L: SERUM	106.98	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP		J	BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 24
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	62.09	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SERUM	43.43	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBIT			5	BORDERLINE HIGH HDL: 30.0 -
				60.0
		51.13	ma/dl	HIGH HDL: $>$ OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPE		51.13	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159
				HIGH: 160.0 - 189.0
				VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		63.55	mg/dL	OPTIMAL: < 130.0
by CALCOLATED, SFL	CIROFHOTOMETRI			ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189
				HIGH: 190.0 - 219.0
				VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by CALCULATED, SPE		12.42	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU	M	276.05 ^L	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HDL I		2.46	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE		2.10		AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SER by CALCULATED, SPE		1.18	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0



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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.43 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

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

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

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

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





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LIV	VER FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	0.65	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by diazo modified, spectrophotometry	0.26	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.39	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	17.79	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	13.76	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.29	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHY PROPANOL	68.64 L	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	15.31	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by biuret, spectrophotometry	6.71	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol green	3.98	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.73	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.46	RATIO	1.00 - 2.00

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE: - Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5





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

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

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Biological Reference interval

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. DEEP CHAND				
AGE/ GENDER	: 88 YRS/MALE	PATIE	INT ID	: 1563188	
COLLECTED BY	:	REG. N	IO./LAB NO.	: 012407280021	
REFERRED BY	:	REGIS	TRATION DATE	: 28/Jul/2024 08:53 AM	
BARCODE NO.	: 01513956	COLLE	ECTION DATE	: 28/Jul/2024 08:55AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 28/Jul/2024 10:27AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Biological Reference inter	rval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Incr	eased)	

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. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. DEEP CHAND AGE/ GENDER : 88 YRS/MALE **PATIENT ID** :1563188 **COLLECTED BY** :012407280021 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 28/Jul/2024 08:53 AM **BARCODE NO.** :01513956 **COLLECTION DATE** : 28/Jul/2024 08:55AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 28/Jul/2024 11:48AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval KIDNEY FUNCTION TEST (COMPLETE) UREA: SERUM** 28.64 mg/dL 10.00 - 50.00 by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) **CREATININE: SERUM** 0.72 mg/dL 0.40 - 1.40 by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM 13.38 mg/dL 7.0 - 25.0 by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE 18.58 RATIO 10.0 - 20.0 RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY RATIO **UREA/CREATININE RATIO: SERUM** 39.78 by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM 3.82 3.60 - 7.70 mg/dL by URICASE - OXIDASE PEROXIDASE 9.51 CALCIUM: SERUM mg/dL 8.50 - 10.60 by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM 3.57 mg/dL 2.30 - 4.70 by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY **ELECTROLYTES** SODIUM: SERUM 139.2 mmol/L 135.0 - 150.0 by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM 4.34 mmol/L 3.50 - 5.00 by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM 104.4 mmol/L 90.0 - 110.0 by ISE (ION SELECTIVE ELECTRODE) **ESTIMATED GLOMERULAR FILTERATION RATE** 87.9 ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM

Dr. Vinay Chopra

by CALCULATED INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

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

2. Catabolic states with increased tissue breakdown.



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5 5 6 6 1 . 2 6 6 6 C H I						
		Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist				
NAME	: Mr. DEEP (CHAND				
AGE/ GENDER	: 88 YRS/MA	LE	Р	ATIENT ID	: 1563188	
COLLECTED BY	:		R	EG. NO./LAB NO.	:012407280021	
REFERRED BY				EGISTRATION DAT		RΔM
BARCODE NO.	:01513956			OLLECTION DATE	: 28/Jul/2024 08:55	
CLIENT CODE.	: KOS DIAGN			EPORTING DATE	: 28/Jul/2024 11:48	SAM
CLIENT ADDRESS	: 6349/1, NI	CHOLSON ROAD, AMBA	LA CANTT			
Test Name			Value	Unit	Biological	Reference interval
6. Inherited hyperam 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera	10:1) WITH DEC rosis. nd starvation. e. ccreased urea s (urea rather th monemias (ure of inappropiate 10:1) WITH INC apy (accelerate	REASED BUN : ynthesis. an creatinine diffuses of ea is virtually absent in b antidiuretic harmone) o REASED CREATININE: s conversion of creatine	blood). due to tubular	secretion of urea.		
2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIC 1. Diabetic ketoacidc should produce an in	eleases muscle who develop r): osis (acetoaceta creased BUN/c rapy (interferes	e creatinine). renal failure. ate causes false increase creatinine ratio). s with creatinine measur	e in creatinine		odologies,resulting in norm	al ratio when dehydratio
CKD STAGE		DESCRIPTION	GFR (mL	/min/1.73m2)	ASSOCIATED FINDINGS	7
G1		ormal kidney function		>90	No proteinuria]
G2		Kidney damage with		>90	Presence of Protein ,	
G3a		normal or high GFR /ild decrease in GFR		50 -89	Albumin or cast in urine	4
G3a		derete deereese in GFR		00-89		4

Moderate decrease in GFR
Severe decrease in GFR
Kidney failure

30-59

15-29

<15

DR.VINA CONSULT MBBS, MI

G3b

G4

G5

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









	Dr. Vinay Chopra MD (Pathology & Microbiol Chairman & Consultant Patl		(Pathology)
NAME	: Mr. DEEP CHAND		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	e Unit	Biological Reference interval

COMMENTS:

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

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

ADVICE:

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

End Of Report ***





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