



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	<b>Dr. Yugam</b> MD (I CEO & Consultant F	Pathology)
NAME	: Mr. SATISH MITTAL			
AGE/ GENDER	: 61 YRS/MALE	PA	TIENT ID	: 1683757
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	:012411270051
REFERRED BY	:	RE	GISTRATION DATE	: 27/Nov/2024 01:08 PM
BARCODE NO.	:01521553		DILECTION DATE	: 27/Nov/2024 01:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 27/Nov/2024 02:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANTI		
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELL			LNESS PANEL: G D COUNT (CBC)	
HAEMOGLOBIN (H		6.7 <sup>L</sup>	gm/dL	12.0 - 17.0
by CALORIMETRIC	(DBC) COUNT		Millions/c	mm 3.50 - 5.00
	RDC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	2.41 <sup>L</sup>	WIIIIOIIS/ C	11111 S.30 - 5.00
ACKED CELL VOL	UME (PCV) NUTOMATED HEMATOLOGY ANALYZER	21.6 <sup>L</sup>	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV)	89.5	fL	80.0 - 100.0
IEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	27.4	pg	27.0 - 34.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANÁLYZER AR HEMOGLOBIN CONC. (MCHC)			22.0.26.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	30.6 <sup>L</sup>	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV)	14.5	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	48.4	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	37.14	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI	DEX	53.07	RATIO	BETA THALASSEMIA TRAIT:<
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CE				
FOTAL LEUCOCYTE	E COUNT (TLC) Y BY SF CUBE & MICROSCOPY	5570	/cmm	4000 - 11000
NUCLEATED RED E	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	RT HEMATOLOGY ANALYZER	NII	%	< 10 %
by automated 6 par NUCLEATED RED E	SLOOD CELLS (NRBCS) %	NIL	/0	$\leq 10.70$

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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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. SATISH MITTAL AGE/ GENDER : 61 YRS/MALE **PATIENT ID** :1683757 **COLLECTED BY** : SURJESH REG. NO./LAB NO. :012411270051 **REFERRED BY REGISTRATION DATE** : 27/Nov/2024 01:08 PM : **BARCODE NO.** :01521553 **COLLECTION DATE** : 27/Nov/2024 01:12PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 27/Nov/2024 02:09PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 72<sup>H</sup> % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 15<sup>L</sup> % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ЯH EOSINOPHILS % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 5 % 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 4010 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 836 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 446<sup>H</sup> /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 278 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 127000<sup>L</sup> /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.14 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL 11 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 43000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 34.111.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 17.1<sup>H</sup> % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

ADVICE



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**KINDLY CORRELATE CLINICALLY** 

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

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NAME	: Mr. SATISH MITTAL		
AGE/ GENDER	: 61 YRS/MALE	PATIENT ID	: 1683757
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
Test Name	Value	e Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 27/Nov/2024 04:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A		A OKING DATE	. 217 NOV 2024 04.201 M
CLIENT ADDRESS	. 0349/1, NICHOLSON KOAD, A	AMDALA CANTI		
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY)	7.3 <sup>H</sup>	%	4.0 - 6.4
by HPLC (HIGH PERFOR	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	162.81 <sup>H</sup>	mg/dL	60.00 - 140.00
INTERPRETATION:				
	AS PER AMERICAN	DIABETES ASSOCIATI	ON (ADA):	
	REFERENCE GROUP	GLYC	OSYLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years		<5.7	
	t Risk (Prediabetes)		5.7 – 6.4	
D	iagnosing Diabetes		>= 6.5	
			Age > 19 Years	
Thorapout	ic goals for glycomic control		Therapy:	< 7.0
merapeut	ic goals for glycemic control	Actions S	00	>8.0
		Cool of	Age < 19 Years therapy:	<7.5
		0 600		57.0

**KOS Diagnostic Lab** 

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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.



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LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Nov/2024 02:33PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	Т	
est Name		Value	Unit	Biological Reference interval
Terpretation:	GATION BY CAPILLARY PHOTOMETR			
ESR is a non-specifimune disease, but An ESR can be affe C-reactive protein This test may also Stemic lupus eryth DNDITION WITH LO low ESR can be see olycythaemia), sigr sickle cells in sick DTE: ESR and C - reactiv Generally, ESR doe CRP is not affected If the ESR is elevat	does not tell the health practitio cted by other conditions besides be used to monitor disease activ ematosus <b>W ESR</b> In with conditions that inhibit the	ner exactly whe inflammation. ity and respons normal sedime ount (leucocyto: SR. s of inflammatic CRP, either at th <b>R, making it a b</b> ypes of protein	ere the inflammation is in the For this reason, the ESR is ty e to therapy in both of the a entation of red blood cells, s sis), and some protein abno on. etter marker of inflammation or a etter marker of inflammation s, globulins or fibrinogen.	picallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (suci s it resolves. <b>n</b> .





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



Page 5 of 13





		<b>hopra</b> & Microbiology) onsultant Pathologi		(Pathology)
NAME	: Mr. SATISH MITTAL			
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BARCODE NO.	:01521553		COLLECTION DATE	: 27/Nov/2024 01:12PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 27/Nov/2024 03:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTI	2	
Test Name		Value	Unit	Biological Reference interval
lest Name	CLINI	CAL CHEMIS	TRY/BIOCHEMIST FASTING (F)	
GLUCOSE FASTING by GLUCOSE OXIDAS	e (F): PLASMA e - peroxidase (god-pod)	290.07 <sup>H</sup>		NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE 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.



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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 27/Nov/2024 02:45PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROFII	E: BASIC	
CHOLESTEROL TOT	AL: SERUM	117.28	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		111.20	ing, ul	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: SI		65.74	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROI		46.76	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI	ON			BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL		57.37	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	CTROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0
NON HDL CHOLECT		70 50		VERY HIGH: $> OR = 190.0$
NON HDL CHOLEST by CALCULATED, SPE		70.52	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.
-				BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTERC	L: SERUM	13.15	mg/dL	0.00 - 45.00
by CALCULATED, SPE		-		250.00 700.00
TOTAL LIPIDS: SER by CALCULATED, SPE		300.3 <sup>L</sup>	mg/dL	350.00 - 700.00
CHOLESTEROL/HD	L RATIO: SERUM	2.51	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	CTROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
				11011 MJK. $> 11.0$





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT	2	
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		1.23	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	1.41 <sup>L</sup>	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, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT		0.36 0.16	<b>N TEST (COMPLETE)</b> mg/dL mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40
	CT (UNCONJUGATED): SERUM	0.2	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		23.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	44.8	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE		0.53	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	140.29 <sup>H</sup>	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	15.16	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	5.47 <sup>L</sup>	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		3.73	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	1.74 <sup>L</sup>	gm/dL	2.30 - 3.50
A : G RATIO: SERUN by CALCULATED, SPE	M	2.14 <sup>H</sup>	RATIO	1.00 - 2.00

INTERPRETATION

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

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

# **INCREASED:**

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



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Test Name	Value	e Unit	Biological Reference interva

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

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

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	MD (Pathology &	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Chopra (Pathology) Pathologist	
NAME	: Mr. SATISH MITTAL				
AGE/ GENDER	: 61 YRS/MALE	РАТ	IENT ID	: 1683757	
COLLECTED BY	: SURJESH	REG	. NO./LAB NO.	:012411270051	
<b>REFERRED BY</b>	:	REG	ISTRATION DATE	: 27/Nov/2024 01:08 PM	
BARCODE NO.	:01521553	COL	LECTION DATE	: 27/Nov/2024 01:12PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 27/Nov/2024 03:45PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
	KIDN	EY FUNCTION T	EST (COMPLETE)		
UREA: SERUM		272.31 <sup>H</sup>	mg/dL	10.00 - 50.00	
by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)			Ũ	10.00 00.00	
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		9.85 <sup>H</sup>	mg/dL	0.40 - 1.40	
BLOOD UREA NITROGEN (BUN): SERUM		127.25 <sup>H</sup>	mg/dL	7.0 - 25.0	
by CALCULATED, SPECTROPHOTOMETRY					
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM		12.92 <sup>L</sup>	RATIO	10.0 - 20.0	
by CALCULATED, SPE	ECTROPHOTOMETRY				
UREA/CREATININE RATIO: SERUM		27.65	RATIO		
by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM		7.95 <sup>H</sup>	mg/dL	3.60 - 7.70	
by URICASE - OXIDASE PEROXIDASE					
CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY		8.21 <sup>L</sup>	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SERUM		5.79 <sup>H</sup>	mg/dL	2.30 - 4.70	
-	DATE, SPECTROPHOTOMETRY		Ű		
ELECTROLYTES		100.0	] /1	105.0 150.0	
SODIUM: SERUM by ISE (ION SELECTIV	'E ELECTRODE)	138.3	mmol/L	135.0 - 150.0	
POTASSIUM: SERUI		6.95 <sup>H</sup>	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV CHLORIDE: SERUM		103.73	mmol/L	00.0 110.0	
by ISE (ION SELECTIV		105.75	IIIII01/ L	90.0 - 110.0	
ESTIMATED GLOM	IERULAR FILTERATION RAT	E			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED	ERULAR FILTERATION RATE	5.5			
NOTE 2		RESULT RECH	ECKED TWICE		
ADVICE			KINDLY CORRELATE CLINICALLY		

**INTERPRETATION:** 

### INDLY CORRI LATE CLINICA

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



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	<b>Dr. Vinay Chop</b> MD (Pathology & Mi Chairman & Consult	crobiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
IAME	: Mr. SATISH MITTAL				
AGE/ GENDER	: 61 YRS/MALE	PATIENT ID	: 1683757		
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO</b>	. : 012411270051		
REFERRED BY	:	REGISTRATION D			
BARCODE NO.	: 01521553	COLLECTION DAT			
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DAT	E : 27/Nov/2024 03:	45PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT			
Test Name		Value Ur	it Biologic	al Reference interval	
lomerular filtration			ut Diologica		
<ol> <li>P. Certain drugs (e.g.</li> <li>INCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (&lt;'</li> <li>Acute tubular necr</li> <li>Low protein diet ar</li> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;'</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>MAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> </ol>	nd starvation. e. creased urea synthesis. (urea rather than creatinine diffuses monemias (urea is virtually absent of inappropiate antidiuretic harmone <b>10:1) WITH INCREASED CREATININE:</b> py (accelerates conversion of creati eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false incre creased BUN/creatinine ratio). rapy (interferes with creatinine mea- <b>JLAR FILTERATION RATE:</b>	VELS: e than creatinine) (e.g. obstructive s out of extracellular fluid). n blood). e) due to tubular secretion of urea ne to creatinine).	a. thodologies,resulting in norm	nal ratio when dehydrati	
ESTIMATED GLOMERU CKD STAGE	DESCRIPTION				
STIMATED GLOMERU	DESCRIPTION Normal kidney function		No proteinuria		
STIMATED GLOMERU CKD STAGE	Normal kidney functior Kidney damage with		Presence of Protein ,	-	
STIMATED GLOMERU CKD STAGE G1 G2	Normal kidney functior Kidney damage with normal or high GFR	>90 >90		-	
STIMATED GLOMERU CKD STAGE G1 G2 G3a	Normal kidney function Kidney damage with normal or high GFR Mild decrease in GFR	>90 >90 60 -89	Presence of Protein ,	-	
ESTIMATED GLOMERU CKD STAGE G1 G2	Normal kidney functior Kidney damage with normal or high GFR	>90 >90 60 -89 R 30-59	Presence of Protein ,	-	





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		Value Unit	Biological Reference interval
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 27/Nov/2024 03:45PM
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NAME	: Mr. SATISH MITTAL		
	Chairman & Const	G, /	<b>O</b> , /
	Dr. Vinay Cho MD (Pathology & 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

End Of Report \*\*\*





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

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