

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	<b>Dr. Vinay Chopr</b> MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mr. GULSHAN			
AGE/ GENDER	: 40 YRS/MALE		PATIENT ID	: 1349605
COLLECTED BY	:		REG. NO./LAB NO.	: 012410270006
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 27/Oct/2024 07:28 AM
BARCODE NO.	: 01519618		COLLECTION DATE	: 27/Oct/2024 07:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Oct/2024 09:01AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SWAST	HYA WE	LLNESS PANEL: 1.0	n
			OOD COUNT (CBC)	
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H		12.6	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (	(DBC) COUNT	7.07 <sup>H</sup>	Millions/	/cmm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOL	UME (PCV) automated hematology analyzer	41.6	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	58.8 <sup>L</sup>	fL	80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) AUTOMATED HEMATOLOGY ANALYZER	17.9 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)	30.4 <sup>L</sup>	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	17.1 <sup>H</sup>	%	11.00 - 16.00
RED CELL DISTRIB	SUTION WIDTH (RDW-SD)	37.6	fL	35.0 - 56.0
MENTZERS INDEX		8.32	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING INI	DEX	14.28	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
Sy GALOOLATED				IRON DEFICIENCY ANEMIA: >
WUITE DI ООВ «Р	TTC (WD(C)			65.0
WHITE BLOOD CE TOTAL LEUCOCYTI		10530	/cmm	4000 - 11000
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY		/ chill	
	BLOOD CELLS (nRBCS) rt hematology analyzer	NIL		0.00 - 20.00
NUCLEATED RED H	BLOOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
-				





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

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

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Dr. Vinay Chopra

MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra

**CEO & Consultant Pathologist** 

MD (Pathology)

NAME : Mr. GULSHAN AGE/ GENDER : 40 YRS/MALE **PATIENT ID** :1349605 **COLLECTED BY** :012410270006 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 27/Oct/2024 07:28 AM **BARCODE NO.** :01519618 **COLLECTION DATE** : 27/Oct/2024 07:34AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 27/Oct/2024 09:01AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 50 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 33 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 12<sup>H</sup> % 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 5265 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3475 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 1264<sup>H</sup> /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 526 /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 288000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.35 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12<sup>H</sup> fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 134000<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 46.6<sup>H</sup> 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

15.6 %





PLATELET DISTRIBUTION WIDTH (PDW)

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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



15.0 - 17.0





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Test Name	Val	ue Unit	Biological Reference interval



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mmune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lunus eryth	GATION BY CAPILLA ic test because an does not tell the h cted by other conc be used to monito ematosus	ATE (ESR) RY PHOTOMETR elevated result lealth practition litions besides	13 Y t often indicates ner exactly wher inflammation. Fo	e the inflammation is in the or this reason, the ESR is ty	
by RED CELL AGGRE NTERPRETATION: . ESR is a non-specify mmune disease, but . An ESR can be affe is C-reactive protein . This test may also .ystemic lupus eryth CONDITION WITH LO A low ESR can be see polycythaemia), sign is sickle cells in sick NOTE: . ESR and C - reactiv 2. Generally, ESR doc 3. CRP is not affected	GATION BY CAPILLA ic test because an does not tell the h cted by other conc be used to monito ematosus <b>W ESR</b> in with conditions the ificantly high whit ie cell anaemia) als e protein (C-RP) an is not change as ra by as many other f	ATE (ESR) RY PHOTOMETR ealth practition litions besides r disease activition that inhibit the e blood cell co so lower the ES e both markers pidly as does C factors as is ESI	13 Y t often indicates ner exactly wher inflammation. Fo ity and response normal sedimer unt (leucocytosis SR. s of inflammation RP, either at the <b>R</b> , making it a bet	mm/1st the presence of inflammat e the inflammation is in the or this reason, the ESR is ty to therapy in both of the a ntation of red blood cells, s s) , and some protein abno	hr 0 - 20 ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such





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		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLIN	VICAL CHEMISTRY	/BIOCHEMIST	'RY
		GLUCOSE FAS	TING (F)	
		96.71	mg/dL	NORMAL: < 100.0

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. 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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Dr. Vinay Chopra

: Mr. GULSHAN

: 40 YRS/MALE

:01519618

: KOS DIAGNOSTIC LAB

:

:

MD (Pathology & Microbiology Chairman & Consultant Pathology

<b>.ab</b> are)	EXCELLENCE IN HEALTHCARE	
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Test Name	Value	Unit	Biological Reference interval
	LIPID PROFILE	: BASIC	
CHOLESTEROL TOTAL: SERUM by CHOLESTEROL OXIDASE PAP	191.28	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SERUM by GLYCEROL PHOSPHATE OXIDASE (ENZYMATIC)	129.27	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (DIRECT): SERUM by SELECTIVE INHIBITION	48.86	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SERUM by Calculated, spectrophotometry	116.57	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTEROL: SERUM by Calculated, spectrophotometry	142.42 <sup>H</sup>	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 CHOLESTEROL: SERUM by CALCULATED, SPECTROPHOTOMETRY	25.85	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUM by Calculated, spectrophotometry	511.83	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.91	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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NAME

AGE/ GENDER

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**CLIENT CODE.** 





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Test Name		Value	Unit	<b>Biological Reference interval</b>	
LDL/HDL RATIO: S by CALCULATED, SPE		2.39	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0	
TRIGLYCERIDES/H by CALCULATED, SPE		2.65 <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.

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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LIVER	FUNCTION TEST (CO	MPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.72	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by diazo modified, spectrophotometry	0.13	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by Calculated, spectrophotometry	0.59	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	22.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	28	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by calculated, spectrophotometry	0.81	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	110.99	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	25.49	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.18	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.56	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.62	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	1.74	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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## **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



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	KIDNE	Y FUNCTION	TEST (COMPLETE)	
UREA: SERUM		22.46	mg/dL	10.00 - 50.00
	TE DEHYDROGENASE (GLDH)			
CREATININE: SERUN by ENZYMATIC, SPECTR		0.91	mg/dL	0.40 - 1.40
BLOOD UREA NITRO		10.5	mg/dL	7.0 - 25.0
by CALCULATED, SPEC	TROPHOTOMETRY			
BLOOD UREA NITRO RATIO: SERUM	GEN (BUN)/CREATININE	11.54	RATIO	10.0 - 20.0
by CALCULATED, SPEC	TROPHOTOMETRY			
UREA/CREATININE		24.68	RATIO	
by CALCULATED, SPEC URIC ACID: SERUM	TROPHOTOMETRY	8.4 <sup>H</sup>	mg/dL	3.60 - 7.70
by URICASE - OXIDASE	PEROXIDASE	8.4"	ilig/ uL	3.00 - 7.70
CALCIUM: SERUM		10.38	mg/dL	8.50 - 10.60
by ARSENAZO III, SPECT PHOSPHOROUS: SER		3.99	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBDA	TE, SPECTROPHOTOMETRY	0.00	ing/ uL	2.00 1.10
ELECTROLYTES				
SODIUM: SERUM		139.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE POTASSIUM: SERUM		4.2	mmol/L	3.50 - 5.00
by ISE (ION SELECTIVE				
CHLORIDE: SERUM by ISE (ION SELECTIVE		104.63	mmol/L	90.0 - 110.0
	<b>RULAR FILTERATION RATE</b>			
	RULAR FILTERATION RATE	109.3		
(eGFR): SERUM				
by CALCULATED INTERPRETATION:				

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.

3. GI haemorrhage.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist						
AME	: Mr. GULSHA	N								
GE/ GENDER	: 40 YRS/MAL	E		PATIENT ID	:	1349605				
COLLECTED BY				REG. NO./LAB NO.	. :	012410270	006			
REFERRED BY				REGISTRATION D		27/Oct/2024		м		
BARCODE NO.	:01519618			COLLECTION DAT		27/Oct/2024				
CLIENT CODE.	: KOS DIAGNO	S DIAGNOSTIC LAB		REPORTING DATI	E :	27/Oct/2024	10:24A	M		
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMI	BALA CANTT							
Fest Name			Value	Un	it	Biol	ogical R	Referen	ce interv	al
<ol> <li>Reduced muscle m</li> <li>Certain drugs (e.g.</li> <li>NCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (&lt;1</li> <li>Acute tubular necro</li> <li>Low protein diet ar</li> </ol>	tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed c D:1) WITH DECR Dsis. d starvation.	creatinine productio cocorticoids) I <b>TED CREATININE LEV</b> roportionately more n renal disease.	ELS:	ne) (e.g. obstructive	e uropathy)					,
<ol> <li>Reduced muscle m.</li> <li>Certain drugs (e.g.</li> <li>NCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>Prerenal azotemia</li> <li>CECREASED RATIO (&lt;1</li> <li>Acute tubular necro</li> <li>Low protein diet ar</li> <li>Severe liver disease</li> <li>Other causes of dei</li> <li>Repeated dialysis (</li> <li>Inherited hyperami</li> <li>SIADH (syndrome o</li> <li>Pregnancy.</li> <li>PECREASED RATIO (&lt;1</li> <li>Phenacimide thera</li> <li>Rhabdomyolysis (re</li> <li>Muscular patients of</li> <li>Muscular patients of</li> <li>Diabetic ketoacidos</li> <li>Cephalosporin thera</li> </ol>	ass (subnormal tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR Disis. d starvation. creased urea synure reased urea synure inappropiate a 0:1) WITH INCRE Dy (accelerates of eleases muscle of who develop reases sis (acetoacetat creased BUN/cro apy (interferes of LAR FILTERATIO	creatinine productio cocorticoids) <b>ITED CREATININE LEV</b> roportionately more n renal disease. <b>EASED BUN :</b> thesis. creatinine diffuses is virtually absent in ntidiuretic harmone <b>EASED CREATININE:</b> conversion of creatin creatinine). hal failure. e causes false increated extinine ratio). with creatinine meas	<b>FELS:</b> than creatinin out of extrace h blood). ) due to tubul ne to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e).	hodologies ASSOC		GS	ratio wh	en dehyd	
B. Reduced muscle m     Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     Prerenal azotemia     DECREASED RATIO (<1     Acute tubular necro     Low protein diet ar     Severe liver disease     Other causes of dec     Repeated dialysis (     SIADH (syndrome o     Pregnancy.     DECREASED RATIO (<1     Phenacimide thera     Rhabdomyolysis (re     Rhabdomyolysis (re     Repeated thera     Rhabdomyolysis (re     SIADH (syndrome o     Diabetic ketoacido:     hould produce an ind     CED STAGE     CENTATED GLOMERU     CENTATED GLOMERU     G1     G2	ass (subnormal tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR Disis. d starvation. creased urea syn urea rather than monemias (urea f inappropiate a 0:1) WITH INCRE Dy (accelerates of eleases muscle of who develop real sis (acetoacetat creased BUN/cro apy (interferes v LAR FILTERATIO	creatinine productio cocorticoids) <b>TED CREATININE LEV</b> roportionately more n renal disease. <b>EASED BUN :</b> thesis. a creatinine diffuses is virtually absent in ntidiuretic harmone <b>EASED CREATININE:</b> conversion of creatin creatinine). hal failure. e causes false increated e causes false increated treatinine ratio). vith creatinine meas <b>N RATE:</b> <b>DESCRIPTION</b> mal kidney function dney damage with prmal or high GFR	<b>FELS:</b> than creatinin out of extrace h blood). ) due to tubul ne to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). ne with certain met L/min/1.73m2 ) >90 >90	n. hodologies ASSOC No Presei	,resulting in r <b>ATED FINDIN</b> proteinuria	GS	ratio wh	en dehyd	
B. Reduced muscle m     Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     Prerenal azotemia     DECREASED RATIO (<1     Acute tubular necro     Low protein diet ar     Severe liver disease     Other causes of dec     Repeated dialysis (     Inherited hyperami     SIADH (syndrome o     Pregnancy.     DECREASED RATIO (<1     Phenacimide thera     Rhabdomyolysis (re     Rhabdomyolysis (re     Repeated component of the comp	ass (subnormal tetracycline, glu D:1) WITH ELEVA (BUN rises disp superimposed o 0:1) WITH DECR Disis. d starvation. creased urea syn urea rather than monemias (urea f inappropiate a 0:1) WITH INCRE Dy (accelerates of eleases muscle of who develop real sis (acetoacetat creased BUN/cro apy (interferes v LAR FILTERATIO	creatinine productio cocorticoids) <b>TED CREATININE LEV</b> roportionately more n renal disease. <b>EASED BUN :</b> thesis. a creatinine diffuses is virtually absent in ntidiuretic harmone <b>EASED CREATININE:</b> conversion of creatin creatinine). hal failure. e causes false increated e causes false increated treatinine ratio). vith creatinine mease <b>NATE:</b> <b>DESCRIPTION</b> mal kidney function dney damage with prmal or high GFR Id decrease in GFR	rELS: than creatinin out of extrace h blood). ) due to tubul ne to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). ne with certain met L/min/1.73m2 ) >90 >90 60 -89	n. hodologies ASSOC No Presei	,resulting in r <b>ATED FINDIN</b> proteinuria nce of Protein	GS	ratio wh	en dehyd	
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)









	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. GULSHAN		
AGE/ GENDER	: 40 YRS/MALE	PATIENT ID	: 1349605
COLLECTED BY	:	REG. NO./LAB NO.	: 012410270006
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 27/Oct/2024 07:28 AM
BARCODE NO.	: 01519618	<b>COLLECTION DATE</b>	: 27/Oct/2024 07:34AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 27/Oct/2024 10:24AM
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



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 27/Oct/2024 09:31AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		CLINICAL PAT	<b>FHOLOGY</b>	
	LIDINE D	OUTINE & MICROS		TION
PHYSICAL EXAMIN		UUTINE & MICKU	DUUFIU EXAMIINA	
QUANTITY RECIEVE		10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELLO	OW	PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMIN				
REACTION		ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-v	e)	NEGATIVE (-ve)
RED BLOOD CELLS		NEGATIVE (-v	e) /HPF	0 - 3

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Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		2-4	/HPF	0 - 5

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

\*\* End Of Report \*\*\*





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