



	Dr. Vinay Ch MD (Pathology & Chairman & Cor		Dr. Yugam MD ( CEO & Consultant I	Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: <b>Mr. TARLOCHAN SINGH</b> : 38 YRS/MALE : : : 01515992 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	REG. N REGIS COLLI REPO	ENT ID NO./LAB NO. TRATION DATE ECTION DATE RTING DATE	: 1596752 <b>: 012408300052</b> : 30/Aug/2024 05:25 PM : 30/Aug/2024 05:27PM : 30/Aug/2024 06:48PM
Test Name		Value	Unit	Biological Reference interval
		ICAL CHEMISTRY/ DNEY FUNCTION TES		
UREA: SERUM		35.43	mg/dL	10.00 - 50.00
by UREASE - GLUTAM CREATININE: SERUN by ENZYMATIC, SPEC		1.02	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		16.56	mg/dL	7.0 - 25.0
BLOOD UREA NITRO RATIO: SERUM by calculated, spe	GEN (BUN)/CREATININE	16.24	RATIO	10.0 - 20.0
UREA/CREATININE F	RATIO: SERUM	34.74	RATIO	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE		7.38	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE		9.03	mg/dL	8.50 - 10.60
PHOSPHOROUS: SER		3.82	mg/dL	2.30 - 4.70
SODIUM: SERUM		141.8	mmol/L	135.0 - 150.0
POTASSIUM: SERUN by ISE (ION SELECTIV	1	3.94	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV		106.35	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE	96.5		

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



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		y & Microbiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
AME	: Mr. TARLOCHAN SINGH				
GE/ GENDER	: 38 YRS/MALE	PATIENT ID	: 1596752		
OLLECTED BY		REG. NO./LAB N	NO. : 01240830	0059	
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LIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DA	. 30/Aug/202	24 06:48PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit Biol	ogical Reference interval	
	ass (subnormal creatinine pro tetracycline, glucocorticoids)				
NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis ( 5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 8. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido 5. Nould produce an in 2. Cephalosporin thera 5. STIMATED GLOMERL	20:1) WITH ELEVATED CREATINI a (BUN rises disproportionately superimposed on renal diseas 10:1) WITH DECREASED BUN : osis. and starvation. e. creased urea synthesis. (urea rather than creatinine di monemias (urea is virtually ak of inappropiate antidiuretic ha 10:1) WITH INCREASED CREATIN py (accelerates conversion of eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false creased BUN/creatinine ratio) rapy (interferes with creatinine JLAR FILTERATION RATE:	y more than creatinine) (e.g. obstruct se. iffuses out of extracellular fluid). bsent in blood). irmone) due to tubular secretion of ur <b>NINE:</b> creatine to creatinine). e increase in creatinine with certain m ). e measurement).	rea. hethodologies,resulting in		
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			/
Test Name		Value Unit	<b>Biological Reference interval</b>

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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