



	<b>Dr. Vinay Cho</b> MD (Pathology & M Chairman & Consu	licrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. PARAMJEET SINGH			
AGE/ GENDER	: 73 YRS/MALE	PATI	ENT ID	: 1771112
<b>COLLECTED BY</b>	:	REG.	NO./LAB NO.	: 012502260022
<b>REFERRED BY</b>	:	REGI	STRATION DATE	: 26/Feb/2025 01:12 PM
BARCODE NO.	: 01526166	COLL	ECTION DATE	: 26/Feb/2025 01:13PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 26/Feb/2025 03:22PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		L CHEMISTRY		
UREA: SERUM	KIDNI	24.97	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)	21.07	ing/ uL	10.00 - 50.00
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		0.71	mg/dL	0.40 - 1.40
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		11.67	mg/dL	7.0 - 25.0
RATIO: SERUM	ROGEN (BUN)/CREATININE ECTROPHOTOMETRY	16.44	RATIO	10.0 - 20.0
UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	35.17	RATIO	
URIC ACID: SERUM		4.09	mg/dL	3.60 - 7.70
by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY		7.71 <sup>L</sup>	mg/dL	8.50 - 10.60
	ERUM DATE, SPECTROPHOTOMETRY	2.74	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	138.6	mmol/L	135.0 - 150.0
POTASSIUM: SERU	Μ	3.42 <sup>L</sup>	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV	/E ELECTRODE)	103.95	mmol/L	90.0 - 110.0
ESTIMATED GLON	MERULAR FILTERATION RATE			
(eGFR): SERUM by CALCULATED	IERULAR FILTERATION RATE	96.9		
INTERPRETATION: To differentiate betw	een pre- and post renal azotemia			

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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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Test Name		Value Uni	t Biological Reference interval	
1 Agusta tubulan magn				
5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. <b>DECREASED RATIO (&lt;1</b> 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v <b>INAPPROPIATE RATIO</b> 1. Diabetic ketoacidos	e. creased urea synthesis. urea rather than creatinine diff monemias (urea is virtually abs f inappropiate antidiuretic harr <b>0:1) WITH INCREASED CREATINI</b> by (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false in	mone) due to tubular secretion of urea. I <b>NE:</b> reatine to creatinine).	nodologies,resulting in normal ratio when dehydratio	
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G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	





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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

End Of Report \*\*\*





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