



		<b>Chopra</b> gy & Microbiology) Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Dr. GULSHAN RAI			
AGE/ GENDER	: 73 YRS/Male	PA	TIENT ID	: 1567266
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012408010012
REFERRED BY	:	RE	GISTRATION DATE	: 01/Aug/2024 10:25 AM
BARCODE NO.	:01514228	CO	LLECTION DATE	: 01/Aug/2024 10:44AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 01/Aug/2024 10:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO.	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HB) by calorimetric INTERPRETATION:-		11 <sup>L</sup>	gm/dL	12.0 - 17.0
tissues back to the lu A low hemoglobin lev <b>ANEMIA (DECRESED H</b> 1) Loss of blood (trau 2) Nutritional deficier 3) Bone marrow prob	ngs. el is referred to as ANEMIA c	or low red blood count. ng, colon cancer or stom e) narrow by cancer) motherapy drugs		odys tissues and returns carbon dioxide from t

## NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





EXCELLENCE IN HEALTHCARE & DIAGNOSTICS
Dr. Yugam Chopra

	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN		//BIOCHEMISTR	Y
	KI	DNEY FUNCTION T	EST (COMPLETE)	
JREA: SERUM		54.45 <sup>H</sup>	mg/dL	10.00 - 50.00
by UREASE - GLUTAM REATININE: SERUN by ENZYMATIC, SPEC		2.08 <sup>H</sup>	mg/dL	0.40 - 1.40
-	GEN (BUN): SERUM	25.44 <sup>H</sup>	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	12.23	RATIO	10.0 - 20.0
RATIO: SERUM				
by CALCULATED, SPE JREA/CREATININE R		26.18	RATIO	
by CALCULATED, SPE		20.10	KATIO	
JRIC ACID: SERUM		6.86	mg/dL	3.60 - 7.70
by uricase - oxidasi CALCIUM: SERUM	EFERUXIDASE	9.28	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE				
	UM ATE, SPECTROPHOTOMETRY	3.57	mg/dL	2.30 - 4.70
ELECTROLYTES				
Sodium: Serum		140.1	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV				
POTASSIUM: SERUM by ISE (ION SELECTIV		4.14	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		105.07	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	,			
	RULAR FILTERATION RATE			
ESTIMATED GLOMEF (eGFR): SERUM	RULAR FILTERATION RATE	33		
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



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CLIENT ADDRESS	: 6349/1, NICHOLSON	I ROAD, AMBALA CAN'	ГТ			
Test Name		Value	Un	it Biologica	al Reference interval	
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	nd starvation. e.	coids) EATININE LEVELS: onately more than creat disease.	tinine) (e.g. obstructive	e uropathy).		
<ol> <li>Severe liver diseas</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome of</li> <li>Pregnancy.</li> <li>DECREASED RATIO (</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> <li>Cephalosporin thei</li> </ol>	urea rather than creatir monemias (urea is virtu of inappropiate antidiure 10:1) WITH INCREASED CI py (accelerates conversi eleases muscle creatinir who develop renal failu : sis (acetoacetate causes creased BUN/creatinine rapy (interferes with creatinine subtraction RATE:	ally absent in blood). etic harmone) due to tu REATININE: on of creatine to creatine). re. s false increase in creat ratio). atinine measurement).	bular secretion of urea	n hodologies,resulting in norr ASSOCIATED FINDINGS	nal ratio when dehydratic	
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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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