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Mr. ALI ABDUL RAHMAN PID NO : 46660 Age : 67 Years Sex : Male Reference : Dr. FARHAN Sample Collected At : CITICARE MEDICAL CENTER Unit G03, Al Barsha South Bldg, Al Barsha South Third, Dubai VID : 5050101454 Registered on : 04-May-2025 11:01 PM Collected on : 04-May-2025 05:37 PM Reported on : 04-May-2025 11:35 PM

Investigation	Observed Value	Flag	Unit	Biological Reference Interval
CREATININE (SERUM) (Serum, Kinetic colorimetric assay based on Jaffe method) Note: Rechecked, Please correlate clinically.	1.72	H	mg/dL	0.8 - 1.3

- INTERPRETATION :
- Creatinine measurements are used as an aid in diagnosis and monitoring of renal disorders, Chronic Kidney disease (CKD) and in monitoring of renal dialysis and also used for the calculation of the fractional excretion of other urine analytes (e. g., albumin, a-amylase).
 - Creatinine is a break-down product of creatine phosphate in muscle, and is produced at a fairly constant rate by the body (depending on muscle mass). It is freely filtered by the glomeruli and, under normal conditions, is not reabsorbed by the tubules to any appreciable extent. A small but significant amount is also actively secreted. Its concentration is thus, inversely related to glomerular filtration rate (GFR).
 - Physiological factors affecting serum creatinine concentration include age, gender, race, muscularity, exercise, pregnancy, certain drugs, diet, dehydration and nutritional status.
 - Low serum Creatinine levels is seen in cases of low muscle mass like muscular atrophy, or aging.
 - High serum creatinine levels is seen in Acute and Chronic kidney disease, obstruction.
 - Since a rise in blood creatinine is observed only with marked damage of the nephrons, it is not suited to detect early stage kidney disease.

DR. ADLEY MARK FERNANDES
M.D (Pathology)
Pathologist

Dr. Vyoma Shah
DR. VYOMA SHAH
M.D (Pathology)
Clinical Pathologist

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M RASHID CHENANGADATH
Laboratory Technologist

This is an Electronically Authenticated Report.

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Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189 unless specified by (*).



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