



BML489135

## **Laboratory Investigation Report**

Name : Mr. IBRAHIM AJOUZ

DOB : 05/10/1989 Age / Gender : 35 Y / Male

Referred by : CITICARE MEDICAL CENTER
Centre : CITICARE MEDICAL CENTER

**Ref No.** : 44910

Reported

**Sample No.** : 2411499963

**Collected** : 14/11/2024 17:13 **Registered** : 14/11/2024 22:03

## **BIOCHEMISTRY**

Test Result Flag Unit Reference Range Methodology

**CREATININE (SERUM)** 1.34 H mg/dL 0.9 - 1.3

Kinetic colorimetric assay based

14/11/2024 23:45

on Jaffe method

Source: Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics

Please note change.

## **INTERPRETATION NOTES:**

- 1. 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, α-amylase).
- 2. 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).
- 3. Physiological factors affecting serum creatinine concentration include age, gender, race, muscularity, exercise, pregnancy, certain drugs, diet, dehydration and nutritional status.
- 4. Low serum Creatinine levels is seen in cases of low muscle mass like muscular atrophy, or aging.
- 5. High serum creatinine levels is seen in Acute and Chronic kidney disease, obstruction.
- 6. 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.

Sample Type: Serum

End of Report

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah M.D (Pathology) Clinical Pathologist

Gome V. Shah

This is an electronically authenticated report

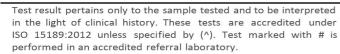
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