

LABORATORY TEST REPORT

Name	: Mr. T PANDHARI RAO		
Sample ID	: A0787987		
Age/Gender	: 64 Years/Male	Reg. No	: 0312410270014
Referred by	: Dr. KRISHNA PATIL	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 27-Oct-2024 01:10 PM
Primary Sample	: Whole Blood	Received On	: 27-Oct-2024 02:30 PM
Sample Tested In	: Serum	Reported On	: 27-Oct-2024 04:09 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report



CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Biological Reference Interval
Calcium <small>(Method: Arsenazo)</small>	9.81	mg/dL	8.5-10.1

Comments:

- Calcium in the body is found mainly in the bones (approximately 99%). In serum, Calcium exists in a free ionised form and in bound form (with Albumin). Hence, a decrease in Albumin causes lower Calcium levels and vice-versa.
- Calcium levels in serum depend on the Parathyroid Hormone.
- Increased Calcium levels are found in Bone tumors, Hyperparathyroidism. decreased levels are found in Hypoparathyroidism, renal failure, Rickets.

*** End Of Report ***



Dr. Vaishnavi
DR. VAISHNAVI
MD BIOCHEMISTRY

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Test Name	Results	Units	Biological Reference Interval
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Kidney Profile-KFT

 Creatinine (Method: Jaffes Kinetic)	1.51	mg/dL	0.70-1.30
 Urea-Serum (Method: Calculated)	46.7	mg/dL	17.1-49.2
 Blood Urea Nitrogen (BUN) (Method: Calculated)	21.81	mg/dL	8.0-23.0
BUN / Creatinine Ratio	14.44		6 - 22
 Uric Acid (Method: UriCase)	6.24	mg/dL	3.5-7.2
 Sodium (Method: ISE Direct)	141	mmol/L	135-150
 Potassium (Method: ISE Direct)	5.0	mmol/L	3.5-5.0
 Chloride (Method: ISE Direct)	108	mmol/L	94-110

Interpretation:

- The kidneys, located in the retroperitoneal space in the abdomen, are vital for patient health. They process several hundred liters of fluid a day and remove around two liters of waste products from the bloodstream. The volume of fluid that passes through the kidneys each minute is closely linked to cardiac output. The kidneys maintain the body's balance of water and concentration of minerals such as sodium, potassium, and phosphorus in blood and remove waste by-products from the blood after digestion, muscle activity and exposure to chemicals or medications. They also produce renin which helps regulate blood pressure, produce erythropoietin which stimulates red blood cell production, and produce an active form of vitamin D, needed for bone health.

*** End Of Report ***



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