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Sample Letterhead

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Mr. Saubhik Bhaumik

Age / Sex	: 27 YRS / M
Referred by	: Dr. Sachin Patil (MBBS)
Reg. no.	**: 1046**

1046

Registered on	: 08/11/2024 01:14 PM
Collected on	: 08/11/2024
Received on	: 08/11/2024
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BIOCHEMISTRY

TEST	VALUE	UNIT	REFERENCE
BUN	16.4	mg/dl	7.9 - 20

Physiological basis

Urea is the end product of protein metabolism, which is excreted by the kidney. BUN is directly related to protein intake and nitrogen metabolism and inversely related to the rate of excretion of urea. Urea concentration in glomerular filtrate is the same as in plasma, but its tubular reabsorption is inversely related to the rate of urine formation. Thus, BUN is a less useful measure of glomerular filtration rate than the serum/ plasma creatinine (Cr).

Clinic Use

The BUN (Blood Urea Nitrogen) test measures the level of urea nitrogen in the blood to assess kidney function and overall health. It is a commonly performed test that helps diagnose and monitor conditions related to kidney health.

High Levels causes :	Low Levels causes:
Kidney dysfunction - Acute kidney injury, chronic kidney disease, kidney failure - Dehydration - Urinary tract obstruction - High protein intake - Medications: Certain medications, such as diuretics or corticosteroids.	Liver disease - Malnutrition - Overhydration - Pregnancy - Certain medications: Antibiotics, Diuretics

~~~ End of report ~~~

Mr. Sachin Sharma
DMLT, Lab Incharge

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Dr. A. K. Asthana
MBBS, MD Pathologist