

Patient Name :
 DOB/Age/Gender : Bill Date :
 Patient ID / UHID : Sample Collected :
 Referred By : Sample Received :
 Sample Type : Report Date :
 Barcode No : Report Status :

Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY REPORT

B Type Natriuretic Peptide (BNP)

BNP; B-TYPE NATRIURETIC PEPTIDE, PLASMA 20.6 pg/ml Refer Interpretation
 Method : CMIA

Interpretation:

Note

1. This test should be used in conjunction with medical history, clinical evaluation and other diagnostic procedures.
2. Several clinical factors affect the BNP concentration like age, gender, BMI & renal function.

Interpretation :

Non-Heart Failure Population - Males

(Age) Years	< 45	45-54	55-64	65-74	75+	All
pg/mL	<73	<40	<80	<150	<121	<104

Non-Heart Failure Population - Females

(Age) Years	< 45	45-54	55-64	65-74	75+	All
pg/mL	89	111	155	159	266	150

Heart Failure Population - Males

NYHA Functional Class	I	II	III	IV	ALL
pg/mL	1281	1356	2288	3654	1976

Heart Failure Population - Females

NYHA Functional Class	I	II	III	IV	ALL
pg/mL	1022	2031	2718	>4000	2593

Comments

BNP is stored mainly in the myocardium and has biologic effects similar to those of Atrial Natriuretic Peptide (ANP). Increased concentrations of BNP occur in patients with hypervolemic states like congestive heart failure & hypertension. The circulating levels of BNP directly correlate with the higher incidence of cardiac events and mortality in patients with heart failure.

Increased Levels

· **Cardiac causes:** Heart failure, Asymptomatic Left ventricular dysfunction, Arterial & Pulmonary hypertension, Cardiac hypertrophy, Valvular heart disease, Arrhythmia, Acute Coronary syndrome

· **Non Cardiac causes:** Acute & Chronic renal failure, Liver Cirrhosis, Hyperaldosteronism, Cushing's syndrome

Clinical Uses

- To confirm heart failure in patients presenting with ambiguous clinical symptoms.
- To assist / improve diagnostic accuracy for heart failure.



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Booking Centre :- GOPALGANJ COLLECTION CENTRE, Gopalganj Collection Centre
 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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