



Yashvi M. Patel

Age : 21 Years

Sex : Female

UHID : 556



Sample Collected At:

125, Shiv complex, S G Road, Mumbai

Sample Collected By: Mr Suresh

Ref. By: Dr. Hiren Shah



0 35545 62336 78 1

Registered on: 02:31 PM 02 Dec, 2X

Collected on: 03:11 PM 02 Dec, 2X

Reported on: 04:35 PM 02 Dec, 2X

B-TYPE NATRIURETIC PEPTIDE (BNP)

Investigation	Result	Reference Value	Unit
Sample Type	Plasma (2 ml)	TAT : 1 hr (Normal: 1 - 4 hrs)	
BNP (B-TYPE NATRIURETIC PEPTIDE) CLIA	18.00	Normal	< 29.40 pg/mL

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
3. The most appropriate decision threshold (specificity >97%) for determining heart failure is 100 pg/mL

Interpretation:

BNP concentration in patients of Heart failure.

NYHA CLASSES	5TH -95TH PERCENTILE	> 100 pg/mL (%)
I	< 2 - 772	43.1
II	5.4 - 999	58.7
III	21.1 - 1696	82.0
IV	109 - 3157	95.8
ALL	10.8 - 1873	72.6

Comments:

B-type natriuretic peptide (BNP) primarily accumulates in the myocardium and shares similar biological effects with Atrial Natriuretic Peptide (ANP). Elevated BNP levels are observed in individuals experiencing hypervolemic conditions such as congestive heart failure and hypertension. The concentrations of BNP in the bloodstream are directly associated with an increased risk of cardiac events and mortality in heart failure patients.

High Levels:

- Cardiac Causes: Heart failure, Asymptomatic left ventricular dysfunction, Arterial and pulmonary hypertension, Cardiac hypertrophy, Valvular heart disease, Arrhythmia, Acute coronary syndrome.
- Non-Cardiac Causes: Acute and chronic renal failure, Liver cirrhosis, Hyperaldosteronism, Cushing's syndrome.

Clinical Use:

- Confirmation of heart failure in patients with unclear clinical symptoms.

Thanks for Reference

Medical Lab Technician
(DMLT, BMLT)

****End of Report****

Dr. Payal Shah
(MD, Pathologist)**Dr. Vimal Shah**
(MD, Pathologist)



Yash M. Patel

Age : 21 Years

Sex : Male

PID : 555



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125, Shivam Bungalow, S G Road,
Mumbai

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Complete Blood Count (CBC)

Investigation	Result	Reference Value	Unit
Primary Sample Type :	Blood		
HEMOGLOBIN			
Hemoglobin (Hb)	12.5	Low 13.0 - 17.0	g/dL
RBC COUNT			
Total RBC count	5.2	4.5 - 5.5	mill/cumm
BLOOD INDICES			
Packed Cell Volume (PCV)	57.5	High 40 - 50	%
Mean Corpuscular Volume (MCV) Calculated	87.75	83 - 101	fL
MCH Calculated	27.2	27 - 32	pg
MCHC Calculated	32.8	32.5 - 34.5	g/dL
RDW	13.6	11.6 - 14.0	%
WBC COUNT			
Total WBC count	9000	4000-11000	cumm
DIFFERENTIAL WBC COUNT			
Neutrophils	60	50 - 62	%
Lymphocytes	31	20 - 40	%
Eosinophils	1	00 - 06	%
Monocytes	7	00 - 10	%
Basophils	1	00 - 02	%
PLATELET COUNT			
Platelet Count	150000	Borderline 150000 - 410000	cumm

Instruments: Fully automated cell counter - Mindray 300

Interpretation: Further confirm for Anemia

Thanks for Reference

****End of Report****

Medical Lab Technician
(DMLT, BMLT)Dr. Payal Shah
(MD, Pathologist)Dr. Vimal Shah
(MD, Pathologist)

Sample Collection

Generated on : 02 Dec, 202X 05:00 PM

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03554562336781

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Complete Blood Count (CBC)

Investigation	Result	Reference Value	Unit
Sample Type	Blood (2 ml)	TAT : 1 day (Normal: 1 - 3 days)	
Hemoglobin (Hb) Immunoturbidimetry	13.00	Normal	13.00 - 17.00 g/dL
Total RBC count Electrical Impedance, VCS	5.00	Normal	4.50 - 5.50 mill/cumm
BLOOD INDICES			
Packed Cell Volume (PCV) Calculated	45	Normal	40 - 50 %
Mean Corpuscular Volume (MCV) Calculated	100	Normal	83 - 101 fL
MCH Calculated	30	Normal	27 - 32 pg
MCHC Calculated	33.00	Normal	32.50 - 34.50 g/dL
RDW Calculated	12.00	Normal	11.60 - 14.00 %
Total WBC count Electrical Impedance, VCS	10000	Normal	4000 - 11000 cumm
DIFFERENTIAL WBC COUNT			
Neutrophils Electrical Impedance, VCS	60	Normal	50 - 62 %
Lymphocytes Electrical Impedance, VCS	30	Normal	20 - 40 %
Eosinophils Electrical Impedance, VCS	2	Normal	00 - 06 %
Monocytes Electrical Impedance, VCS	8	Normal	00 - 10 %
Basophils Electrical Impedance, VCS	0	Normal	00 - 02 %
Platelet Count Electrical Impedance, VCS	20000	Normal	150000 - 410000 cumm

Instruments: Fully automated cell counter - Mindray 300

Interpretation: Further confirm for Anemia

Thanks for Reference

****End of Report****

Medical Lab Technician
(DMLT, BMLT)

Dr. Payal Shah
(MD, Pathologist)

Dr. Vimal Shah
(MD, Pathologist)

