



Test Characteristics for Diagnosis of Heart Failure in Patients with Dyspnea

Test	Sensitivity, %	Specificity, %	LR +	LR -	Odds Ratio
Initial clinical judgment	61	86	4.4	0.45	
CXR with cardiomegaly	76	79	3.7	0.30	15.4
CXR with cephalization	41–54	96	10.7	0.65	15.4
CXR with interstitial edema	27–34	97	12.3	0.70	17.1
Orthopnea	58	67	1.8	0.63	2.6
JVD	38	91	4.5	0.67	5.5
S ₃ gallop	13	99	9.5	0.88	9.1
Extremity edema	58	75	2.1-2.4	0.57	4.9
Abnormal ECG (atrial fibrillation)	58 (26)	78 (93)	2.66 (3.8)	0.54 (0.79)	4.9
BNP ≥100 pg/mL	90	75	3.66	0.14	26.2
BNP ≥250 pg/mL	89	81	4.6	0.14	

Adapted from Knudsen CW, et al. Diagnostic value of b-type natriuretic peptide and chest radiographic findings in patients with acute dyspnea. *Am J Med.* 2004; 116:363-368; and Wang, CS, Fitzgerald JM, Schulzer M, Mak E, Najib, TA. Does this dyspneic patient in the emergency department have congestive heart failure? *JAMA.* 2005;264:1944-1956.

CXR = chest radiograph; JVD = jugular venous distension; ECG = electrocardiogram; BNP = B-natriuretic peptide.

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