

Table 1: Confusion matrix containing all 60 clinically validated cases chosen from the population with EF>50%, NT-proBNP < 125 ng/L and no ICD-10 HF diagnosis.

		Validated HFpEF		Total
		Yes	No	
Predicted HFpEF	Yes	24	6	30
	No	3	27	30
Total		27	33	60

Table 2: All 60 clinically validated cases chosen from the population with EF > 50%, NT-proBNP < 125 ng/L and no ICD-10 HF diagnosis. The list is sorted by model-predicted risk which can be interpreted as the estimated probability of HF. Some comments were shortened to preserve patient privacy.

Predicted risk	HFpEF	Comment
0.88	Yes	Dilated left atrium
0.88	Yes	Atrial flutter, borderline enlarged left atrium
0.87	Yes	Dilated left atrium and short EDT
0.87	Yes	Dilated left atrium and short EDT
0.84	Yes	High filling pressure
0.8	Yes	Both atria enlarged and myocardial infarction
0.79	No	Slightly elevated EDT and estimated SPAP
0.79	Yes	Acute atrial fibrillation
0.77	Yes	Dilated left atrium and elevated E/e'
0.75	Yes	Atrial fibrillation + pulmonary hypertension
0.73	Yes	Elevated pulmonary pressure and filling pressure in the left ventricle moderate AI and MI
0.73	Yes	Elevated E/e' and increased pulmonary pressure
0.73	Yes	High filling pressures and severe aortic stenosis
0.72	Yes	Significantly enlarged atria with mild to severe aortic stenosis and pulmonary hypertension
0.68	Yes	Significantly enlarged atria with severe aortic stenosis and hypertrophy
0.65	No	Pacemaker rhythm
0.63	Yes	Significantly enlarged atria on both sides
0.62	Yes	Large left atrium and elevated E/e'
0.6	Yes	Right-sided HF
0.6	No	Mechanical mitral valve with low gradient due to prolapse
0.58	Yes	Mildly enlarged left atrium and elevated pulmonary pressure, right-sided HF
0.58	Yes	Biological aortic valve with high filling pressures
0.58	Yes	Enlarged left atrium with low E/A ratio and dilated ascending aorta
0.56	No	Hypokinesia in the apex after STEMI
0.56	Yes	Diastolic dysfunction with enlarged left atrium
0.55	Yes	LVH with a dilated left atrium
0.55	Yes	Severe aortic stenosis with elevated E/e' and significant atrial enlargement
0.54	No	Acute MI with occluded RCA
0.52	No	Good left-sided function but increased right-sided pressure
0.52	Yes	Dilated left atrium
0.0	No	Athlete's heart with enlarged left atrium
0.0	No	Normal
0.0	No	Normal
0.0	Yes	Systemic sclerosis with probable lung involvement and right-sided HF
0.0	Yes	Enlarged left atrium with low EDT and high E/e'
0.0	No	Normal
0.0	No	Normal
0.0	No	Normal
0.0	No	Three-vessel disease and mild hypokinesia
0.0	No	Normal
0.0	No	Normal but but symptomatic coronary artery stenosis that was stented
0.0	No	Normal
0.0	No	Normal
0.0	No	Right-sided HF with elevated pulmonary pressure
0.0	No	Normal
0.0	No	Normal except at aorta ascendens
0.0	No	Normal
0.0	No	Normal
0.0	No	Moderate aortic stenosis
0.0	No	Athlete's heart without signs of HF
0.0	No	Previous SCAD
0.0	No	Small AI
0.0	No	Previous NSTEMI
0.0	No	Non acute SCAD
0.0	No	Mildly enlarged left atrium and borderline elevated pulmonary pressure
0.0	Yes	LVH due to hypertension
0.0	No	Bicuspid valve
0.0	No	Anxiety
0.0	No	Spasm angina
0.0	No	Acute MI