

Supplementary Table 1 Clinical characteristics of patients in the 176 diagnosed HF decompensations based on type of HF

	Left-sided HF N = 48	Right-sided HF N = 69	Global HF N = 59	<i>p</i> ₁	<i>p</i> ₂	<i>p</i> ₃	N
CDSS score	2.01±1.07	1.92±0.92	2.52±0.83	0.88	0.02	0.00 ₂	176
NYHA class III-IV, n (%)	40 (83.3)	40 (58)	49 (83.1)	0.004	0.97	0.00 ₂	176
Systolic BP, mmHg	121±20.3	121.9±20.8	122.9±19.2	0.97	0.89	0.96	176
Heart rate, bpm	77.5±17.1	75.1±15.3	78.7±16.7	0.73	0.93	0.46	176
Urea, mg/dL	63.5 (49.5-85.25)	79 (55-125.5)	93 (66-128)	0.04	0.00 ₁	0.24	176
eGFR, mL/min/1.73m²	49±25.3	46.3±22.3	37.8±18.5	0.81	0.03	0.09	176
Hemoglobin, g/dL	12.3±1.6	11.5±2	11.4±1.7	<0.05	0.03	0.96	171
Na, mEq/L	138.7±2.4	137±3.1	137.9±3.9	0.02	0.45	0.32	175
K, mEq/L	4.2±0.5	4.2±0.5	4.3±0.5	0.95	0.81	0.57	174
LUS1 total B-lines sum	19.67±11.58	13.49±9.81	20.64±11.09	0.01	0.90	0.00 ₁	176
NTproBNP, ng/L	8765±10815	6797±7322	9842±8287	0.50	0.82	0.16	173
sST2, ng/mL	68.2±46.1	98.8±62.5	90.3±47.7	0.04	0.17	0.75	125
CA125 U/mL	26.5 (14.25-57.5)	45.0 (16.0-133.0)	56 (24.5-160.5)	0.15	0.00 ₄	0.15	113

Data in mean±SD, median [Q1–Q3], or n (%).

*p*₁: left-sided HF vs right-sided HF; *p*₂: left-sided HF vs global HF; *p*₃: right-sided HF vs global HF.

ACEI, angiotensin-converting enzyme inhibitor; ARB, angiotensin II receptor blocker; CA125, cancer antigen 125; CDSS, HF clinical disease severity score; eGFR, estimated glomerular filtration rate (Chronic Kidney Disease Epidemiology Collaboration equation); LUS, lung ultrasound; LVEF, left ventricular ejection fraction; MRA, mineralocorticoid receptor

antagonist; NTproBNP, N-terminal pro-brain natriuretic peptide; NYHA, New York Heart Association; sST2, soluble interleukin-1 receptor-like 1.

Supplementary Table 2 LUS1 (Wet) data by lung areas based on the type of HF decompensation

	Left-sided HF	Right-sided HF	Global HF	<i>p</i> ₁	<i>p</i> ₂	<i>p</i> ₃
LA1	2.04±2.00	1.19±1.93	2.02±2.35	0.10	1.00	0.09
LA2	2.65±2.29	1.30±1.67	2.44±2.43	0.004	0.88	0.01
LA3	2.27±2.59	1.30±1.54	2.03±2.73	0.08	0.87	0.20
LA4	3.25±2.50	2.84±3.17	4.76±3.97	0.81	0.07	0.005
LA5	1.46±1.46	1.28±1.69	1.63±1.59	0.83	0.86	0.46
LA6	1.21±1.44	0.70±1.15	1.07±1.31	0.11	0.86	0.27
LA7	2.63±2.32	1.71±1.94	2.29±1.64	<0.05	0.68	0.25
LA8	3.98±2.66	3.17±3.11	4.41±3.40	0.39	0.78	0.08
TOTAL	19.7±11.6	13.5±9.8	20.6±11	0.01	0.90	0.001

LA, lung area.

*p*₁: left-sided HF vs right-sided HF; *p*₂: left-sided HF vs global HF; *p*₃: right-sided HF vs global HF.