

Table S1 Measurements at baseline and 24 weeks after the final BPA and changes from baseline in the two participating centres

Variable (mean \pm SD unless indicated otherwise)	Baseline Hannover	Week 24 Hannover	Change from baseline, Hannover	Baseline Bad Nauheim	Week 24 Bad Nauheim	Change from baseline, Bad Nauheim
LTOT n (%)	5 (16)	5 (16)	0	6 (24)	5 (20)	-1
Exercise capacity						
WHO functional classes I-IV, n (%)	0 (0%) 7 (23%) 24 (77%) 0 (0%)	1 (3%) 18 (58%) 12 (39%) 0 (0%)	-	0 (0%) 2 (8%) 16 (64%) 7 (28%)	5 (20%) 15 (60%) 4 (16%) 0 (0%)	-
6 min walking distance (m)	355 \pm 112	391 \pm 116	36	363 \pm 104	394 \pm 96	31
Borg dyspnoea scale (1-10)	5.0 \pm 2.1	3.5 \pm 2.0	-1.45	4.3 \pm 1.9	2.4 \pm 1.9	-1,9
Haemodynamics and NT-proBNP						
Right atrial pressure (mmHg)	9 \pm 6	6 \pm 4	-3	7 \pm 4	6 \pm 3	-1
PAPm (mmHg)	42 \pm 12	35 \pm 11	-7	37 \pm 11	30 \pm 10	-7
PAPsyst (mmHg)	68 \pm 21	57 \pm 20	-11	63 \pm 20	52 \pm 18	-11
PAPdiast (mmHg)	26 \pm 9	22 \pm 8	-4	20 \pm 8	15 \pm 6	-5
PAWP (mmHg)	9 \pm 3	10 \pm 3	1	10 \pm 3	9 \pm 3	-1

DPG (mmHg)	17 ± 8	13 ± 8	-4	10 ± 7	6 ± 6	-4
TPG (mmHg)	33 ± 11	26 ± 11	-7	26 ± 11	21 ± 10	-5
CO (L/min)	4.4 ± 1.1	4.7 ± 1.3	0.3	4.3 ± 1.1	4.6 ± 1.2	0.3
CI (L/min/m ²)	2.4 ± 0.6	2.5 ± 0.6	0.1	2.4 ± 0.6	2.4 ± 0.6	0
PVR (dyn·s·cm ⁻⁵)	658 ± 302	491 ± 331	-167	508 ± 248	373 ± 178	-135
SvO ₂ (%)	65 ± 8	67 ± 7	3	63 ± 9	70 ± 4	7
HR (bpm)	70 ± 10	69 ± 11	-1	74 ± 15	70 ± 12	-4
NT-proBNP (median, IQR)	464 (255- 1665)	265 (124- 967)	-199	543 (184- 1658)	216 (106- 514)	-327
Echocardiographic findings						
RVED diameter (mm)	37 ± 8	35 ± 7	-2	40 ± 9	34 ± 9	-6
RV free wall diameter (mm)	6.6 ± 1.2	6.5 ± 1.0	-0.1	n/a	n/a	n/a
TAPSE (mm)	19 ± 5	22 ± 5	3	19 ± 5	21 ± 5	2
RA-Dilation (% of patients)	74	48	-26	79	22	-57
Blood gas analysis and pulmonary function						
PaO ₂ (mmHg)	61 ± 8	64 ± 10	3	63 ± 10	69 ± 9	6
SaO ₂ (%)	94 ± 3	94 ± 3	0	93 ± 3	95 ± 2	2
PaCO ₂ (mmHg)	34 ± 3	35 ± 4	1	33 ± 4	32 ± 8	-1
DLCO (% pred)	58 ± 18	63 ± 18	5	55 ± 15	55 ± 19	0
Renal Function						

Creatinine ($\mu\text{mol/l}$)	90 ± 27	91 ± 29	1	83 ± 45	83 ± 22	0
eGFR (ml/min)	56 ± 7	55 ± 8	-1	70 ± 18	75 ± 19	5

Values are given as mean \pm SD unless indicated otherwise

Abbreviations: WHO, World Health Organization; PAPm, mean pulmonary artery pressure; PAPsyst, systolic pulmonary artery pressure; PAPdiast, diastolic pulmonary artery pressure; PAWP, pulmonary arterial wedge pressure; DPG, diastolic pressure gradient; TPG, transpulmonary gradient; CO, cardiac output; CI, cardiac index; PVR, pulmonary vascular resistance; SvO₂, mixed venous oxygen saturation; HR, heart rate; NT-proBNP, N-terminal fragment of pro-brain natriuretic peptide; RVED, right ventricular enddiastolic diameter; RV, right ventricle; TAPSE, tricuspid annular plane systolic excursion; RA, right atrium; DLCO, lung diffusion capacity for carbon monoxide; eGFR, estimated glomerular filtration rate based on serum creatinine