

Table S1. Hemodynamic parameters in different PH-Groups.

	Group 1	Group 3	Group 4	P-value
CO (L/min)	5.7 (2.4)	5.4 (1.7)	4.4 (1.9)	0.163
CI (L/min/m ²)	3.1 (1.1)	2.8 (1.2)	2.5 (0.9)	0.311
mPAP (mmHg)	37.5 (16.0)	37.0 (18.0)	36.0 (12.3)	0.730
PVR (WU)	4.2 (4.2)	3.9 (3.3)	4.8 (4.8)	0.685
SVO ₂ (%)	71.4 (8.2)	69.0 (12.5)	71.5 (8.6)	0.185

Data are presented as median (interquartile range) along with p-values.

Abbreviations: PH, pulmonary hypertension; CO, cardiac output; CI, cardiac index; mPAP, mean pulmonary artery pressure; PVR, pulmonary vascular resistance; SVO₂, mixed venous blood saturation; WU, Wood units.

Table S2. HRQOL according to PH-specific therapies.

MLHF-PH	Monotherapy	Double combination	Triple combination	P-value
MLHF-PH Total	41.5 (32.8)	20.0 (33.8)	68.0 (27.0)	<0.001
MLHF-PH Phys	19.5 (16.5)	10.0 (16.2)	27.0 (9.0)	0.002
MLHF-PH Emot	8.0 (10.7)	4.5 (8.4)	15.0 (5.5)	0.01
SF-36	Monotherapy	Double combination	Triple combination	P-value
Physical functioning	45.0 (48.8)	52.5 (40.0)	15.0 (22.5)	0.01
Role physical	25.0 (100)	100 (75.0)	0	0.02
Bodily pain	85.0 (32.0)	80.0 (32.0)	70.0 (51.0)	0.110
General health	25.0 (25.0)	45.0 (22.5)	20.0 (12.5)	0.001
Vitality	55.0 (23.8)	62.5 (21.2)	35.0 (25.0)	0.002
Social functioning	50.0 (37.0)	50.0 (6.2)	25.0 (19.0)	0.02
Role emotional	67.0 (67.0)	100 (16.8)	33.0 (66.5)	0.01
Mental Health	60.0 (28.0)	80.0 (29.0)	60.0 (20.0)	0.04

Data are presented as median (interquartile range) along with p-values.

Bold values denote statistical significance.

Abbreviations: HRQOL, health-related quality of life; PH, pulmonary hypertension; MLHF-PH, Minnesota living with pulmonary hypertension questionnaire; MLHF-PH Phys, Minnesota living with pulmonary hypertension physical component; MLHF-PH Emot, Minnesota living with pulmonary hypertension emotional component; SF-36, Short form 36-item health survey.

Table S3. Correlations between HRQOL and hemodynamic parameters.

	CO (L/min)		Cl (L/min/m ²)		mPAP (mmHg)		PCWP (mmHg)		PVR (WU)		SVO ₂ (%)	
MLHF-PH	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value
MLHF-PH Total	-0.07	0.539	-0.14	0.252	0.33	0.004	0.09	0.431	0.26	0.02	-0.33	0.004
MLHF-PH Phys	-0.08	0.472	-0.14	0.237	0.31	0.007	0.11	0.372	0.26	0.02	-0.26	0.03
MLHF-PH Emot	-0.11	0.360	-0.18	0.124	0.34	0.003	0.07	0.558	0.24	0.045	-0.31	0.007
SF-36	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value	r-coeff	p-value
Physical functioning	0.09	0.453	0.13	0.289	-0.28	0.01	-0.17	0.159	-0.24	0.04	0.31	0.008
Role physical	0.03	0.791	0.06	0.595	-0.21	0.07*	-0.15	0.192	-0.17	0.147	0.13	0.272
Bodily pain	0.11	0.360	0.10	0.384	-0.07	0.549	0.09	0.417	-0.16	0.180	-0.18	0.130
General health	0.12	0.305	0.13	0.262	-0.24	0.04	-0.005	0.961	-0.2	0.08	0.19	0.107
Vitality	0.21	0.07*	0.18	0.126	-0.24	0.04	-0.17	0.145	-0.26	0.02	0.18	0.126
Social functioning	0.05	0.661	0.03	0.784	0.12	0.308	-0.007	0.953	0.07	0.517	0.17	0.158
Role emotional	0.02	0.851	-0.02	0.856	-0.14	0.234	-0.05	0.670	-0.08	0.483	-0.02	0.807
Mental Health	0.130	0.271	0.11	0.348	-0.07	0.506	-0.16	0.188	-0.08	0.496	0.07	0.539

r-correlation coefficients and p-values were produced using the Pearson's or Spearman's correlation test as appropriate.

Bold values denote statistical significance.

* Trend towards statistical significance.

Abbreviations: HRQOL, health-related quality of life; CO, cardiac output; CI, cardiac index; mPAP, mean pulmonary artery pressure; PCWP, pulmonary capillary wedge pressure; PVR, pulmonary vascular resistance; SVO₂, mixed venous blood saturation; WU, Wood units; MLHF-PH, Minnesota living with pulmonary hypertension questionnaire; MLHF-PH Phys, Minnesota living with pulmonary hypertension physical component; MLHF-PH Emot, Minnesota living with pulmonary hypertension emotional component; SF-36, Short form 36-item health survey.

Table S4. Univariable regression analyses of HRQOL physical domains.

Variables	MLHF-PH Phys			SF-36 ‘Physical functioning’			SF-36 ‘Role physical’		
	β	95% CIs	P-value	β	95% CIs	P-value	β	95% CIs	P-value
Age (years)	-0.02	-0.2 to 0.2	0.9	-0.4	-0.9 to 0.2	0.2	-0.2	-1.1 to 0.8	0.7
Gender									
female	-5.0	-10.5 to 0.4	0.07	14.4	1.5 to 27.3	0.03	12.5	-9.7 to 34.6	0.3
PH-Group									
3	9.6	3.1 to 16.0	<0.001	-25.3	-40.8 to -9.8	<0.001	-51.3	-75.8 to -26.8	<0.001
4	-3.1	-9.4 to 3.2	0.3	2.9	-12.2 to 18.0	0.7	12.8	-11.0 to 36.6	0.3
PH-therapy									
monotherapy	5.7	0.2 to 11.3	0.04	-11.3	-24.9 to 2.3	0.1	-23.4	-46.5 to -0.3	0.05
triple combination	14.2	6.5 to 21.8	<0.001	-29.1	-47.9 to -10.3	<0.001	-41.2	-73.1 to -9.4	0.01
mPAP (mmHg)	0.3	0.1 to 0.5	0.01	-0.7	-1.3 to -0.1	0.02	-0.7	-1.7 to 0.3	0.2
PVR (WU)	0.9	0.2 to 1.6	0.01	-1.9	-3.6 to -0.2	0.03	-2.2	-5.1 to 0.7	0.1
Oxygen treatment									

yes	14.4	10.5 to 18.3	<0.001	-35.1	-44.4 to -25.8	<0.001	-46.3	-64.0 to -28.5	<0.001
WHO FC									
II	1.9	-7.0 to 10.8	0.7	-23.0	-44.8 to -1.2	0.04	-11.2	-52.2 to 29.8	0.6
III	13.8	4.7 to 22.9	<0.001	-46.8	-69.1 to -24.5	<0.001	-50.0	-92.0 to -8.0	0.02
IV	22.2	11.3 to 33.2	<0.001	-68.3	-95.1 to -41.5	<0.001	-66.7	-117.0 to -16.3	0.01

Bold values denote statistical significance.

Abbreviations: HRQOL, health-related quality of life; MLHF-PH Phys, Minnesota living with pulmonary hypertension physical component; SF-36, Short form 36-item health survey; PH, pulmonary hypertension; mPAP, mean pulmonary artery pressure; PVR, pulmonary vascular resistance; WU, Wood units; WHO FC, world health organization functional class.

Table S5. Univariable regression analyses of HRQOL mental domains.

Variables	MLHF-PH Emot			SF-36 'Role emotional'			SF-36 'Mental health'		
	β	95% CIs	P-value	β	95% CIs	P-value	β	95% CIs	P-value
Age (years)	-0.1	-0.2 to 0.04	0.2	0.7	-0.1 to 1.6	0.1	-0.1	-0.5 to 0.4	0.8
Gender									
female	-0.9	-4.1 to 2.3	0.6	-3.2	-24.2 to 17.7	0.8	6.4	-4.1 to 16.8	0.2
PH-Group									
3	1.6	-2.1 to 5.3	0.4	-4.4	-30.4 to 21.6	0.7	-8.6	-21.4 to 4.3	0.2
4	-5.2	-8.8 to -1.6	0.01	15.4	-9.9 to 40.7	0.2	8.5	-3.9 to 21.0	0.2
PH-therapy									
monotherapy	2.9	-0.4 to 6.1	0.08	-21.3	-42.8 to 0.2	0.05	-13.1	-24.1 to -2.2	0.02
triple combination	6.8	2.3 to 11.3	<0.001	-42.3	-72.1 to -12.6	0.01	-15.0	-30.2 to 0.1	0.05
mPAP (mmHg)	0.2	0.1 to 0.3	<0.001	-0.4	-1.4 to 0.5	0.4	-0.2	-0.6 to 0.3	0.5
PVR (WU)	0.4	0.03 to 0.8	0.04	-1.8	-4.5 to 1.0	0.2	-1.1	-2.5 to 0.2	0.1
Oxygen treatment									

yes	5.7	3.0 to 8.3	<0.001	-21.0	-40.0 to -2.1	0.03	-16.6	-25.6 to -7.6	<0.001
WHO FC									
II	0.1	-5.7 to 5.9	1	14.5	-28.0 to 57.1	0.5	-12.9	-33.0 to 7.2	0.2
III	4.5	-1.4 to 10.4	0.1	-2.3	-45.9 to 41.3	0.9	-24.8	-45.4 to -4.2	0.02
IV	10.6	3.5 to 17.7	<0.001	-25.1	-77.3 to 27.1	0.3	-38.7	-63.3 to -14.0	<0.001

Bold values denote statistical significance.

Abbreviations: HRQOL, health-related quality of life; MLHF-PH Emot, Minnesota living with pulmonary hypertension emotional component; SF-36, Short form 36-item health survey; PH, pulmonary hypertension; mPAP, mean pulmonary artery pressure; PVR, pulmonary vascular resistance; WU, Wood units; WHO FC, world health organization functional class.