

TABLE 2. HEMODYNAMIC VARIABLES BEFORE AND AFTER RAMP TEST OPTIMIZATION

	RVF -		RVF +RVF +	RVF +			
	POST PRE	POST		PRE	POST	POST (RVF -) vs POST (RVF +)	
	Mean ± SD	Mean ± SD	p	Mean ± SD	Mean ± SD	p	p
PS rpm	5555 ± 416	6030 ± 324,60	<,0001	5383,3 ± 265,71	5866,66 ± 77,84	<,0001	0,64
PF L/m	4,59±0,75	5,30 ± 0,71	<,0001	3,90 ± 0,54	4,80 ± 0,42	<,0001	0,53
PI	3,59 ± 1,05	3,32 ± 1,18	,108	5,18 ± 1,17	3,80 ± 0,80	,001	0,408
PP watt	4,56 ± 1,08	5,28 ± 0,97	<,0001	3,91 ± 0,61	4,71 ± 0,64	<,0001	0,036
MAP mmHg	88,35 ± 7,01	82,60 ± 9,05	,033	88,91 ± 10,44	86,50 ± 7,92	,275	0,326
CVP mmHg	9,80 ± 2,50	8,15 ± 1,87	<,0001	8,75 ± 2,30	10,83 ± 1,64	,006	0,04
SPAP mmHg	35,30 ± 6,46	29,90 ± 4,76	0,002	35,08 ± 8,02	28,83 ± 6,33	,001	0,224
DPAP mmHg	20,10 ± 4,59	16,20 ± 4,14	0,001	17,58 ± 6,03	13,83 ± 3,21	,003	0,107
MPAP mmHg	25,65 ± 5,44	21,85 ± 4,22	0,001	23,83 ± 6,71	21,66 ± 4,92	,177	0,632
PCWP mmHg	17,15 ± 4,93	12,55 ± 2,21	<,0001	14,75 ± 3,46	10,16 ± 2,51	<,0001	0,020
CO L/min	5,06 ± 0,48	5,63 ± 0,46	<,0001	4,51 ± 0,47	5,37 ± 0,90	,002	0,326
CI L/min/m²	2,51 ± 0,37	2,81 ± 0,38	<,0001	2,31 ± 0,25	2,70 ± 0,51	,010	0,195
SVRI dynes-sec/cm- ⁵	2528,3 ± 426,53	2163,3 ± 414,37	,001	2811,33 ± 590,26	2348,16 ± 572,83	,013	0,774
PVRI dynes-sec/cm- ⁵	259,10 ± 62,21	268,3 ± 100,47	,557	304,83 ± 109,00	286,50 ± 52,63	,516	0,125
RVSWI g/m²/beat	6,41 ± 2,05	6,79 ± 1,16	,336	6,72 ± 2,48	6,54 ± 2,61	,793	0,408
P C W P / C V P	1,77 ± 0,47	1,46 ± 0,23	,002	1,74 ± 0,41	0,93 ± 0,10	<,0001	0,035
PAM*PCWP/CVP	156,85 ± 45,82	123,60 ± 19,65	,003	155,41 ± 42,66	79,33 ± 7,99	<,0001	0,002
rpm set/rpm max	0,59 ± 0,02	0,67 ± 0,03	<,0001	0,58 ± 0,05	0,67 ± 0,01	,002	0,064
HI	96,10 ± 26,24	80,10 ± 13,45	,010	87,91 ± 19,59	51,66 ± 5,28	<,0001	<0,001
PAPi	1,9 ± 0,3	1,7 ± 0,57	0,313	1,73 ± 0,4	1,42 ± 0,50	0,059	0,053

PS= Pump Speed; PF = Pump Flow; PI = Pulse Index; PP = Pump Power; MAP = Mean Arterial Pressure; CVP = Central Venous Pressure; SPAP = Systolic Pulmonary Arterial Pressure; Diastolic Pulmonary Arterial

Pressure; MPAP = Mean Pulmonary Arterial Pressure; PCWP = Pulmonary Capillary Wedge Pressure; CO = Cardiac Output; CI = Cardiac Index; SVRI = Systemic Vascular Resistance Index; PVRI = Pulmonary Vascular Resistance Index; RVSWI = Right Ventricle Stroke Work Index; RPM = Revolutions Per Minute; HI = Hemodynamic Index; PAPI = Pulmonary Artery Pressure Index; SD = Standard Deviation
