Table 1: Baseline Characteristics

	Continuous Infusion (n=23)	Intermittent Bolus (n=20)	*p*-value
Male gender – n (%)	11 (48%)	15 (75%)	0.069
Median gestational age (weeks) – median (IQR)	38.71 (36.00-40.00)	37.79 (26.14-39.28)	0.130
Age at PH diagnosis (days) – median (IQR, range)	0 (IQR 0-0, range 0-170)	0 (IQR 0-30.5, range 0-186)	0.230
PH class – n (%)			0.070*
PH due to lung disease/hypoxia	9 (39%)	14 (70%)	
Persistent PH of the newborn	13 (57%)	5 (25%)	
PH due to left heart disease	1 (4%)	1 (5%)	
Extracorporeal membrane oxygenation (ECMO) – n (%)	12 (52%)	6 (30%)	0.140

PH = pulmonary hypertension.

*Results from Fisher's exact test

Table 2. Baseline Clinical Parameters

Clinical Parameter	Continuous Infusion (n=23) Median (IQR)	Intermittent Bolus (n=20) Median (IQR)	*p*-value
MAP (mmHg)	51 (40-61)	53 (44-60)	0.450
SBP (mmHg)	67 (55-78)	76 (55-82)	0.380
DBP (mmHg)	38 (32-55)	44 (37-47)	0.740
SpO2 (%)	92 (73-96)	93 (91-96)	0.400
FiO2 (%)	93 (55-100)	46 (36-78)	0.012
VIS	10 (3-20)	4 (0-6)	0.012

MAP = mean arterial pressure; SBP = systolic blood pressure; DBP = diastolic blood pressure; SpO2 = oxygen saturation; FiO2 = fraction of inspired oxygen; VIS = vasoactive infusion score.

Table 3. Change in Clinical Parameters after Sildenafil Administration

Clinical Parameter	Continuous Infusion (n=23) Median (IQR)	Intermittent Bolus (n=20) Median (IQR)	p-Value
Change in Mean Arterial Pressure (mmHg)	-4 (-10 - 0)	-1 (-8 – 2)	0.36
Change in Systolic Blood Pressure (mmHg)	-6 (-14 - -1)	-1 (-8 – 6)	0.14
Change in Diastolic Blood Pressure (mmHg)	-4 (-10 – 0)	-4 (-8 – 2)	0.54
Change in Oxygen Saturation (%)	0 (-5 – 1)	-1 (-2 – 0)	0.79
Change in FiO2 (%)	0 (0 – 0)	0 (0 – 0)	0.83
Change in VIS	0 (0 – 5)	0 (0 – 0)	0.15
Sildenafil discontinuation due to side effects – n (%)	4 (17.4%)	1 (5.0%)	0.35

* Values reported are differences in parameters pre- and post-sildenafil administration.