

Cardiopulmonary Variables Before and After 20 % Burn Injury

Variables	Group	BL: 0h	3h	12h	24h
Temperature (°C)	Control	38.9 ± 0.2	39.3 ± 0.3	39.0 ± 0.1	39.0 ± 0.1
	MPLA	39.2 ± 0.2	39.3 ± 0.1	39.1 ± 0.1	39.4 ± 0.2
Heart Rate (BPM)	Control	90.8 ± 7.0	110.5 ± 7.1	106.5 ± 8.5	106.7 ± 6.0
	MPLA	101.7 ± 9.6	102.2 ± 4.1	98.5 ± 4.0	97.8 ± 8.6
Mean Arterial Pressure (mmHg)	Control	102.0 ± 3.9	109.2 ± 4.0	107.8 ± 4.7	102.8 ± 3.2
	MPLA	95.7 ± 2.3	110.7 ± 3.9	101.0 ± 1.7	97.7 ± 2.1
Cardiac Index (L/min/m ²)	Control	7.0 ± 0.3	6.0 ± 0.4	8.2 ± 0.6	8.0 ± 0.5
	MPLA	6.0 ± 0.2	5.4 ± 0.3	6.6 ± 0.4 *	6.5 ± 0.5
Mean Pulmonary Artery Pressure (mmHg)	Control	16.7 ± 2.0	20.7 ± 1.5	23.0 ± 1.7	25.5 ± 0.3
	MPLA	18.2 ± 1.4	18.2 ± 0.7	18.5 ± 1.0	21.7 ± 0.7
Central Venous Pressure (mmHg)	Control	5.0 ± 1.3	6.2 ± 0.6	6.8 ± 0.4	7.2 ± 0.7
	MPLA	4.2 ± 0.7	6.0 ± 1.2	6.2 ± 0.3	5.8 ± 0.9
PaO ₂ /FiO ₂ Ratio (mmHg)	Control	512.9 ± 10.1	529.5 ± 21.4	553.7 ± 11.6	567.2 ± 17.3
	MPLA	534.8 ± 9.2	532.2 ± 14.5	559.8 ± 16.3	570.7 ± 28.1
Peak Airway Pressure (cmH ₂ O)	Control	14.7 ± 0.4	13.7 ± 0.5	15.0 ± 1.1	14.7 ± 1.2
	MPLA	15.3 ± 0.8	14.5 ± 0.6	13.5 ± 0.6	14.7 ± 0.8
Plateau Airway Pressure (cmH ₂ O)	Control	13.8 ± 0.5	13.0 ± 0.6	14.3 ± 1.1	13.8 ± 1.0
	MPLA	14.2 ± 0.5	13.5 ± 0.6	12.7 ± 0.6	13.8 ± 0.8

Data are expressed as Mean ± SEM. Two-way ANOVA repeated measurement with Bonferroni post-hoc test. * p< 0.05.