Table 2 Estimated changes in haemodynamics with 95% confidence intervals, by dose of fluids and the cardiac output response group and adjusted by the corresponding baseline variables.

|  |  |  |  |
| --- | --- | --- | --- |
| Δ Pmsf-arm | B | 95% CI. | *p* |
| Constant | 0.51 | (-0.63, 1.64) | 0.38 |
| Pmsf-arm baseline | -0.06 | (-0.15, 0.03) | 0.20 |
| Dose 2 vs 1 mL/Kg | 2.21 | (0.63, 3.79) | 0.007 |
| Dose 3 vs 1 mL/Kg | 2.12 | (0.52, 3.71) | 0.01 |
| Dose 4 vs 1 mL/Kg | 2.12 | (2.15, 5.52) | <0.001 |
| Responders | -0.14 | (-1.33, 1.06) | 0.82 |
| **ΔCO** |  |  |  |
| Constant | 0.02 | (-0.42, 0.46) | 0.93 |
| CO baseline | 0.03 | (-0.03, 0.10) | 0.30 |
| Dose 2 vs 1 ml/kg | 0.22 | (-0.11, 0.55) | 0.18 |
| Dose 3 vs 1 ml/kg | 0.22 | (-0.11, 0.54) | 0.19 |
| Dose 4 vs 1 ml/kg | 0.54 | (0.21, 0.86) | 0.002 |
| **ΔSV** |  |  |  |
| Constant | -6.08 | (-10.01, -2.14) | 0.003 |
| SV baseline | 0.09 | (0.04, 0.14) | <0.001 |
| Dose 2 vs 1 ml/kg | 3.09 | (0.14, 6.03) | 0.04 |
| Dose 3 vs 1 ml/kg | 2.25 | (-0.77, 5.28) | 0.14 |
| Dose 4 vs 1 ml/kg | 7.07 | (3.98, 10.16) | <0.001 |
| Responders | 7.70 | (5.44, 9.95) | <0.001 |
| **ΔHR** |  |  |  |
| Constant | 4.03 | (-1.73, 9.79) | 0.17 |
| HR baseline | -0.03 | (-0.09, 0.04) | 0.42 |
| Dose 2 vs 1 ml/kg | -3.50 | (-5.83, -1.17) | 0.004 |
| Dose 3 vs 1 ml/kg | -4.34 | (-6.84, -1.84) | 0.001 |
| Dose 4 vs 1 ml/kg | -6.89 | (-9.34, -4.45) | <0.001 |
| Responders | 2.35 | (0.60, 4.10) | 0.009 |
| **ΔCVP** |  |  |  |
| Constant | 0.33 | (-0.69, 1.34) | 0.52 |
| CVP baseline | 0.01 | (-0.06, 0.09) | 0.74 |
| Dose 2 vs 1 ml/kg | 0.38 | (-0.44, 1.21) | 0.35 |
| Dose 3 vs 1 ml/kg | 0.76 | (-0.08, 1.59) | 0.08 |
| Dose 4 vs 1 ml/kg | 1.96 | (1.09, 2.83) | <0.001 |
| Responders | 0.18 | (-0.45, 0.81) | 0.57 |
| **ΔMAP** |  |  |  |
| Constant | 1.69 | (-0.54, 3.93) | 0.14 |
| MAP baseline | -0.12 | (-0.24, 0.01) | 0.04 |
| Dose 2 vs 1 ml/kg | 2.81 | (-0.27, 5.89) | 0.07 |
| Dose 3 vs 1 ml/kg | -0.24 | (-3.42, 2.95) | 0.88 |
| Dose 4 vs 1 ml/kg | 5.31 | (2.04, 8.58) | 0.002 |
| Responders | 4.39 | (2.05, 6.72) | <0.001 |

The estimate constant represents the change in the haemodynamic of interest in the group of 1 mL/Kg in non-responders. The estimate of the baseline value represents the change in the haemodynamic of interest by unit of change of its baseline value. The estimate of responders represents the change in the haemodynamic of interest in responders, when all the other factors are constant.

Pmsf-arm mean systemic filling pressure measured with the stop-flow arterial-venous equilibrium method on the arm; CO cardiac output; SV stroke volume; HR heart rate; CVP central venous pressure; MAP mean arterial pressure; Response CO: difference between responders vs non-responders.