

Table 2 additional. Subgroup analysis and Meta-regression of pulse pressure variation for prediction of fluid responsiveness in patients with tidal volume ≤ 8 ml kg^{-1} from included studies.

| Subgroup | Number of studies | Odds Ratio (95% IC) | P Value | I ² (%) |
|--|-------------------|---------------------|---------|--------------------|
| Compliance < 30 ml $\text{cm H}_2\text{O}^{-1}$ | | | | |
| No | 11 | 13.14(6.48-26.65) | 0.058 | 59.4 |
| Yes | 8 | 4.55(1.96-10.54) | | 51.0 |
| Setting | | | | |
| Surgical | 7 | 9.59(3.89-23.62) | 0.76 | 63.5 |
| Critical Care | 12 | 8.05(3.84-16.84) | | 59.1 |
| Variable measured to determine Fluid responsiveness | | | | |
| CI | 9 | 7.21(2.99-17.36) | 0.55 | 69.8 |
| CO | 3 | 19.34(5.20-71.90) | | 32.0 |
| SV | 1 | 14.00(1.07-18.45) | | -- |
| SVI | 6 | 6.50(2.58-16.39) | | 26.4 |
| Method for indices | | | | |
| LiDCO | 1 | 14.00(0.91-214.35) | 0.60 | |
| PAC | 7 | 15.61(5.48-44.44) | | 72.7 |
| PAC o PiCCO | 2 | 17.84(2.83-112.51) | | 0 |
| PiCCO | 5 | 4.90(1.57-15.25) | | 60.5 |
| PiCCO2 | 2 | 6.41(1.01-40.59) | | 0 |
| ProAQT | 2 | 4.36(0.82-23.16) | | 50.5 |
| Type of fluid | | | | |
| CR | 8 | 8.25(3.36-20.23) | 0.90 | 65.6 |
| CR Or Colloid | 3 | 6.65(1.41-31.37) | | 72.2 |
| Colloid | 8 | 9.87(4.15-23.51) | | 51.6 |
| Hemodynamic endpoint | | | | |
| $\geq 15\%$ | 15 | 9.55(4.91-18.54) | 0.55 | 49.0 |
| $\geq 10\%$ | 4 | 6.51(2.17-19.51) | | 61.8 |
| Outliers | | | | |
| Yes | 2 | 184.43(28.04-10.39) | <0.01 | 33.5 |
| No | 17 | 6.51(4.07-10.39) | | 40.6 |
| Tidal Volume | | | | |
| Tidal volume 7-8 ml. kg^{-1} | 7 | 12.24(5.06-29.61) | 0.30 | 40.2 |
| Tidal volume < 7 ml. kg^{-1} | 12 | 6.78(3.39-13.55) | | 62.6 |

Values are expressed as pooled value (95% confidence interval). CI, cardiac index; CO, cardiac output; CR, crystalloid; PAC, pulmonary artery catheter; SV, stroke volume; SVI, stroke volume index.

