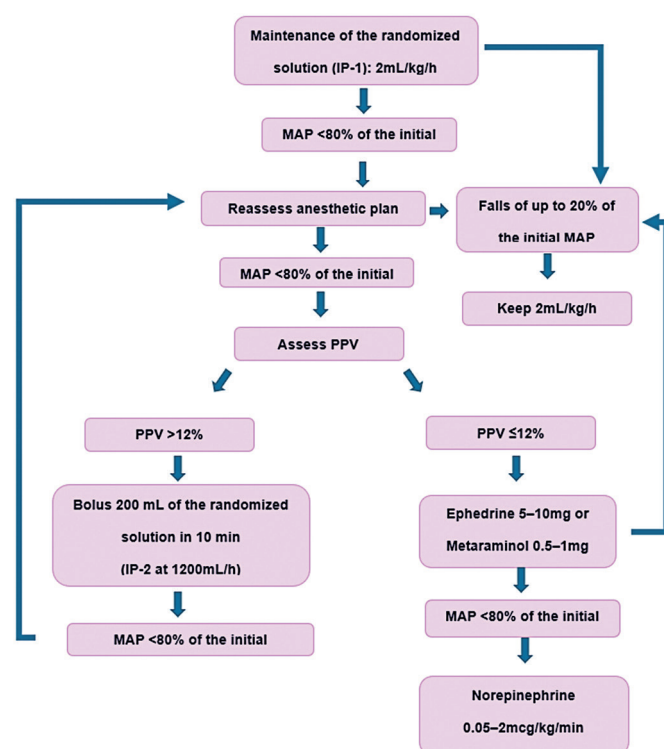


I SUPPLEMENTARY MATERIAL

Evaluation of the effects of Plasma-Lyte 148 or 0.9% saline on acid-base balance in patients undergoing neurosurgery: a randomized clinical trial

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MAP: mean arterial pressure; Hb: hemoglobin; IP: infusion pump; PPV: pulse pressure variation.

Figure 1S. Flowchart of intraoperative fluid administration

Table 1S. Reference values used for laboratory parameter assessment

	Reference values
pH	7.35 to 7.45 ^(1,6)
PaO ₂	90 to 100 mmHg ^(1,6)
PaCO ₂	30 to 35 mmHg ^(1,6)
HCO ₃ ⁻	22 to 26 mmol/L ^(1,6)
Base excess	-3.5 to +3.5 ^(1,6)
Sodium	135 to 142 mmol/L ^(2,7)
Potassium	3.5 to 5.3 mmol/L ^(2,8)
Ionic calcium	1.11 to 1.4 mmol/L ^(3,9)
Chlorine	97 to 107 mmol/L ^(2,10)
Lactate	0.5 to 1.8 mmol/L ^(4,5,11)
Glycemia	100 to 180 mg/dl ^(12,13)

Table 2S. Interventions and events in the 7 postoperative days

Variable	0.9% Saline Group	Plasma-Lyte Group	Difference between groups (95% CI)	p value
Extubation in-room* - %	29 (82.9)	31 (93.9)	-11.0 (from -7.4 to +28.9)	0.260
Hospital time (days) [†]	4.0 (3.0/9.0)	4.0 (3.0/6.0)	0.0 (from -1.0 to +1.0)	0.642
ICU time (days) [†]	0.0 (0.0/2.0)	0.0 (0.0/0.0)	0.0 (from 0.0 to 0.0)	0.065
New neurological deficit* - %	5 (14.3)	6 (18.2)	-3.9 (from +15.9 to +23.8)	0.749
Death* - %	4 (11.4)	1 (3.0)	-8.4 (from -8.0 to +24)	0.357

* Values are expressed as absolute and relative frequencies and were analyzed using the Chi-square and Fisher exact tests; † Values are expressed as the median with the first and third quartiles and were analyzed using the Mann-Whitney U test and Hodges-Lehmann estimate.

95%CI: 95% confidence interval; ICU: intensive care unit.