

Supplementary Table 1. Blood gas analysis, chemistry analysis, osmolarity and oncotic pressure measured from the perfusate at the end of NEsLP (5hr).

	NEsLP Steen (5hr) (n=6)	NEsLP Gelofusine (5hr) (n=6)	NEsLP Whole blood (5hr) (n=6)	p-value
*pH	7.50±0.06	7.43±0.06	7.47±0.03	0.01
*Na ⁺ (mmol/L)	145±2.27	143±1.94	141±1.53	<0.01
*K ⁺ (mmol/L)	3.27±1.36	3.36±0.24	3.78±0.93	0.67
*Ca ⁺⁺ (mmol/L)	0.84±0.03	0.55±0.01	0.72±0.25	0.04
*Cl ⁻ (mmol/L)	111±2	111±2	120±3	<0.001
*HCO ₃ ⁻ (mmol/L)	16.25±2.05	14.21±2.40	15.1±0.83	0.25
*Glucose (mmol/L)	11.88±4.72	13.28±7.43	9.68±2.10	0.55
*BUN (mmol/L)	6.78±1.64	7.12±1.07	8.09±1.50	0.32
*Lactate (mmol/L)	0.78±0.36	0.68±0.69	0.69±0.17	0.95
*Osmolarity (Osm/L)	310±7	307±10	300±6	0.06
**Albumin (g/dl)	4.8±0.2	-	1±0	<0.001
*Oncotic pressure (mmHg)	17.85±3.66	19.52±4.07	4.86±0.58	<0.001

Data is presented as mean and standard deviation. P-values were determined by One-way ANOVA (*) and Student's t test (**).