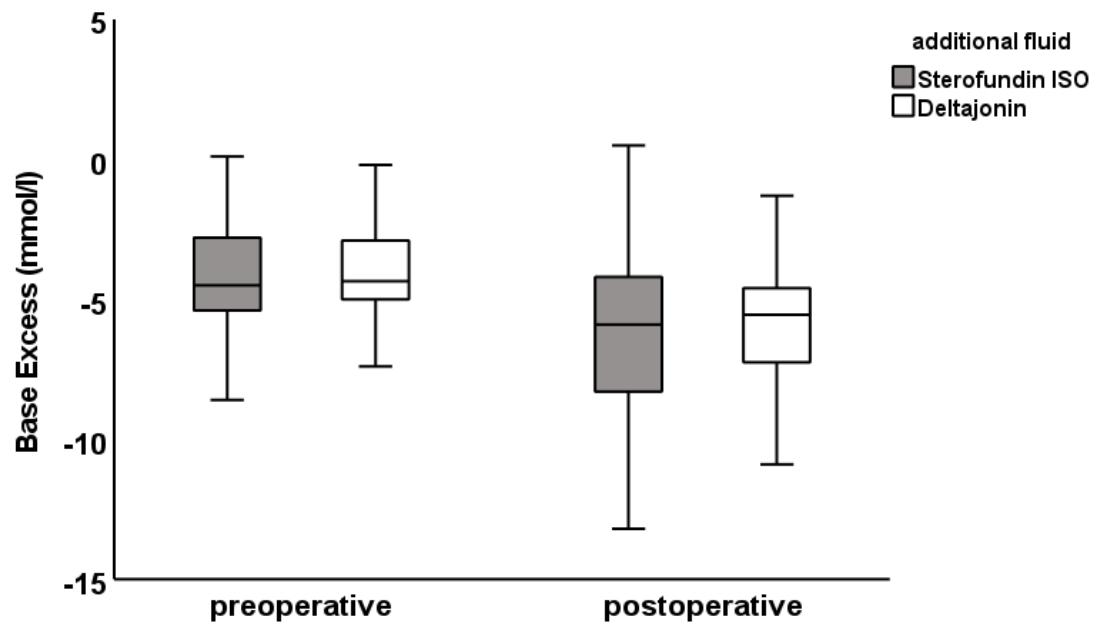
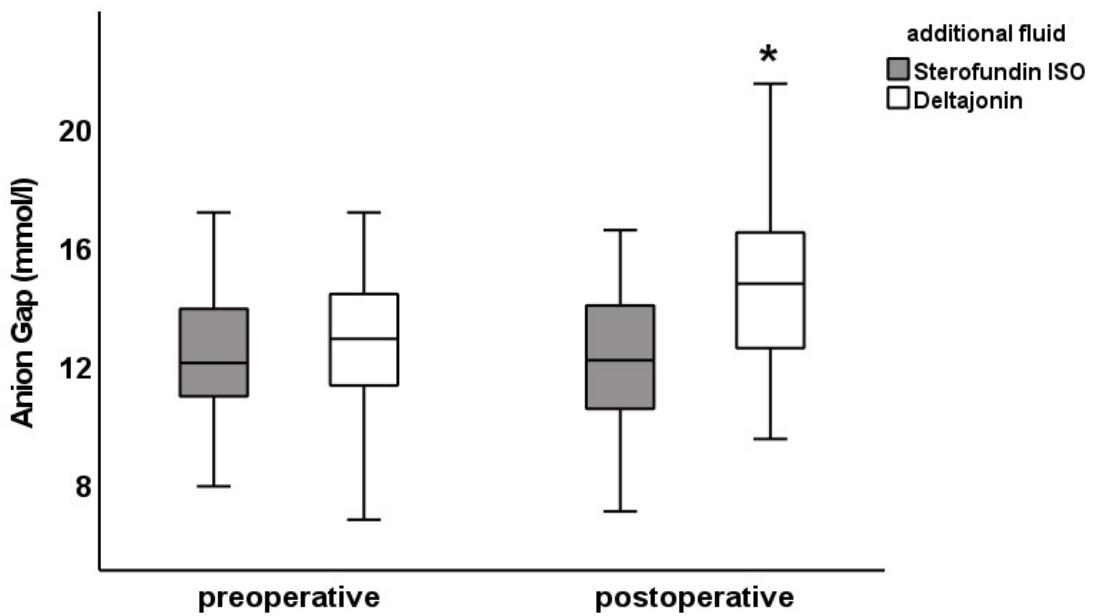


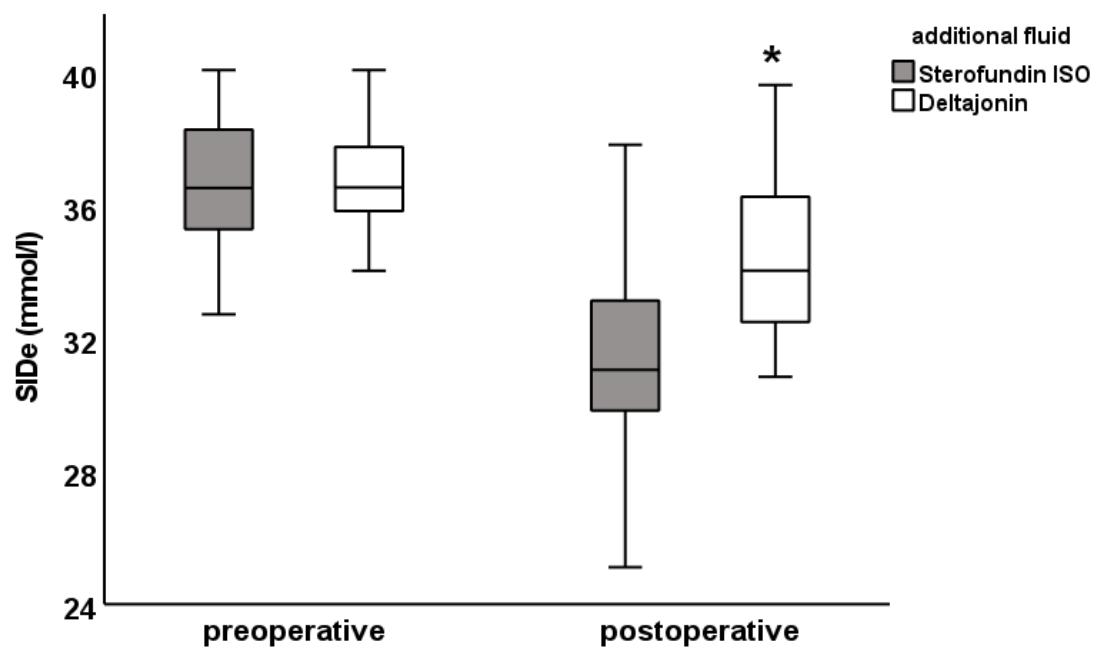
**Figure S1.** pH values pre- and postoperative. Blood samples were measured with an arterial blood gas analyzer right before and at the end of surgery. No Difference pre- or postoperative between Sterofundin ISO Group and Deltajonin Group; data are presented as mean  $\pm$  SD.



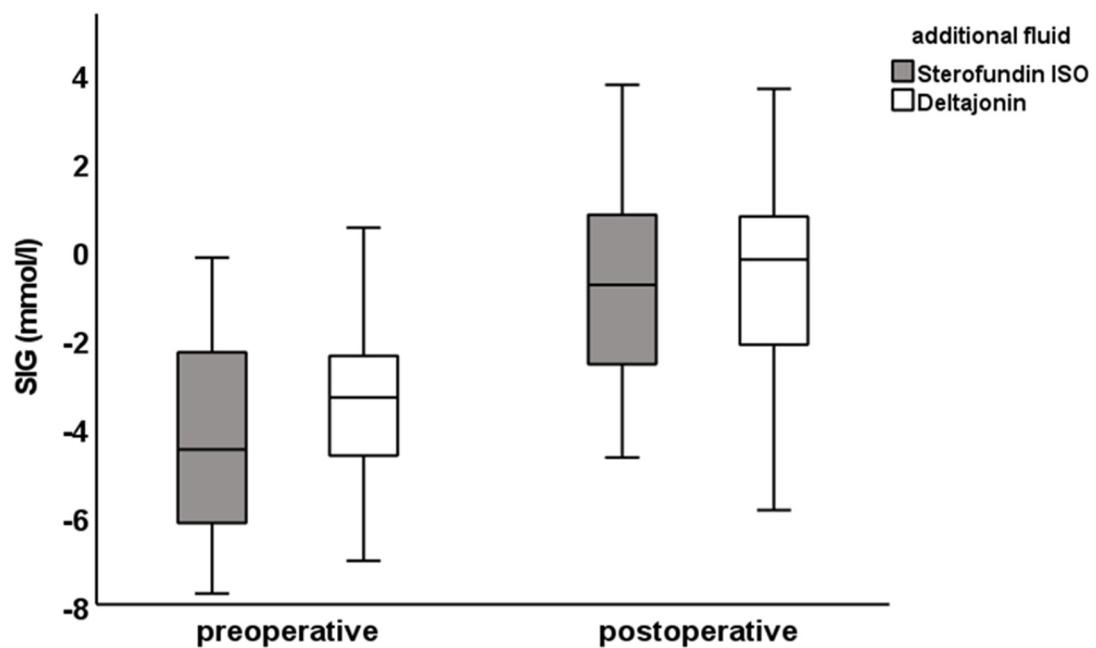
**Figure S2.** Base Excess values pre- and postoperative. Blood samples were measured with an arterial blood gas analyzer right before and at the end of surgery. No Difference pre- or postoperative between Sterofundin ISO Group and Deltajonin Group; data are presented as mean  $\pm$  SD.



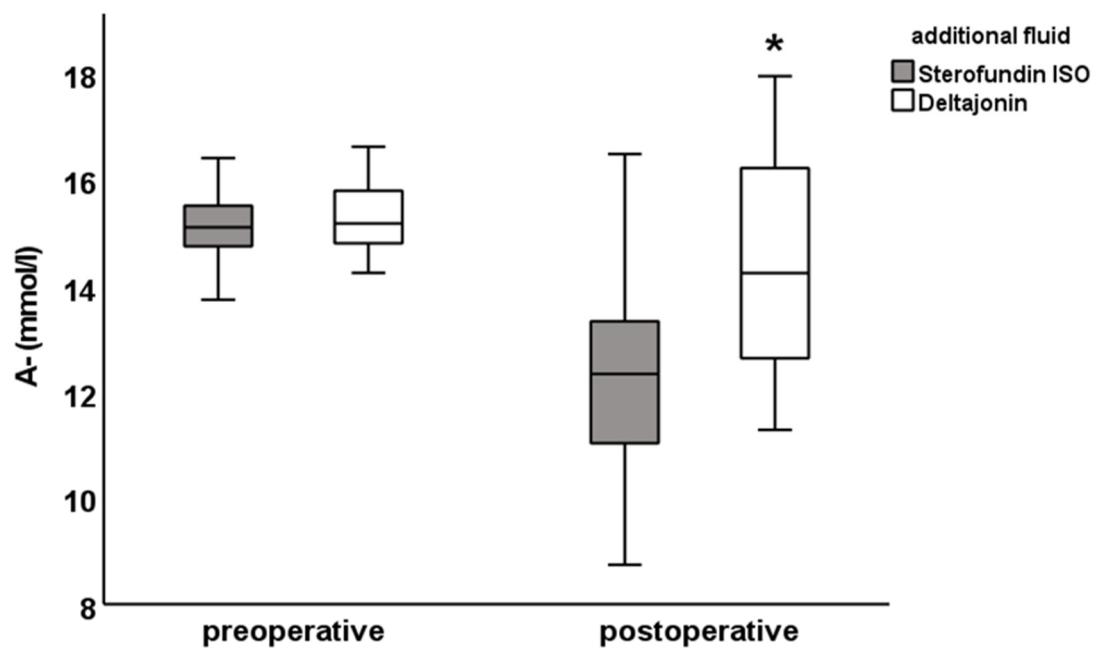
**Figure S3.** Anion Gap values pre- and postoperative. Anion Gap was calculated with  $[AG] = [Na^+] + [K^+] - [Cl^-] - [Bic^-]$ . Preoperative: Similar Anion Gap values. Postoperative: Difference between Sterofundin ISO Group and Deltajonin Group; data are presented as mean  $\pm$  SD; \*  $p < 0.05$  vs. Sterofundin ISO.



**Figure S4.** SIDe values pre- and postoperative. SIDe was calculated with  $\text{SIDe} = [\text{A}-] + [\text{Bic}]$ . Preoperative: Similar SIDe values. Postoperative: Difference between Sterofundin ISO Group and Deltajonin Group; data are presented as mean  $\pm$  SD; \*  $p < 0.05$  vs. Sterofundin ISO.



**Figure S5.** SIG values pre- and postoperative. SIG was calculated with  $[SIG]=[SIDa]-[SIDe]$ . No Difference pre- or postoperative between Sterofundin ISO Group and Deltajonin Group; data are presented as mean  $\pm$  SD.



**Figure S6.** A- values pre- and postoperative. A- was calculated with  $[A-] = [\text{albumin} \times (0.123 \times \text{pH} - 0.631)] + [\text{phosphate} \times (0.309 \times \text{pH} - 0.469)]$ . Preoperative: Similar A- values. Postoperative: Difference between Sterofundin Iso Group and Deltajonin Group; data are presented as mean  $\pm$  SD; \* p<0.05 vs. Sterofundin Iso.

**Table S1.** Standard values.

Na <sup>+</sup> -concentration	135-145 mmol/L
Cl <sup>-</sup> -concentration	96-111 mmol/L
K <sup>+</sup> -concentration	3.5-5.0 mmol/L
Mg <sup>++</sup>	0.49-1.10 mmol/L
Ca <sup>++</sup>	2.17-2.66 mmol/L
Lactate	5-20 mg/dL
Albumin (s)	37-51 g/L
Hemoglobin	11.1-14.3 g/dL
Phosphate	1.0-2.15 mmol/L
pH arteriell	7.37-7.45
pCO <sub>2</sub>	35-45 mmHg
Bicarbonate	21-26 mmol/L
Base Excess	-2 – 3 mmol/L
Anionen Gap	12 mmol/L
SID <sub>a</sub>	40 bzw. 47 mmol/L
SID <sub>e</sub>	39 mmol/L
A <sup>-</sup>	15 mmol/L

**Table S2 Additional patient data.**

