# Online Appendix

***Supplemental Figure 1:*** *Schematic model of volume distribution in intravascular space and its changes (A) underlying Strauss formula (B, C).*



***Supplemental figure 2****: Agreement between estimated PV by Kaplan-Hakim formula (ePVKaplan-Hakim) and absolute measured PV (mPV) upon enrollment (day 1). “Difference” indicates difference between ePVKaplan Hakim and mPV. “Average” shows average of ePVKaplan-Hakim and mPV. Solid line shows zero. Dotted lines show bias and bias ± 1.96 standard deviation. Data are presented in milliliters.*

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***Supplemental Figure 3:*** *Absolute 48h changes of mPV (milliliters) and bodyweight (grams) are shown in individual patients. Patients with decreasing PV are presented on the left, patients with increasing PV on the right.*

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**Supplemental Figure 4:** Agreement between estimated PV change by Kaplan-Hakim (Δ%ePVKaplan-Hakim)(**A**) and Strauss’ formula (Δ%ePVStrauss) (**B**) and measured PV change (Δ%mPV) “Difference” indicates difference between Δ%ePV and Δ%mPV change. “Average” shows average of Δ%ePV and Δ%mPV. Solid line shows zero. Dotted lines show bias and bias ± 1.96 standard deviation. Data are presented in percentages

