Figure S2. Analysis of RBC recovery following phlebotomy. Best-fit prediction (line) of the recovery of RBC volume per unit body surface area (median body surface area was 1.89 m^2) following phlebotomy using Eqs. (S3.1)-(S3.3) compared with experimental observations (symbols). We fix $b=7$ and obtain θ from Eq. (S3.3) (see Text S3). We also let $V = 5\,\text{L}$, $v_e = 9 \times 10^{-14}\,\text{L}$, and N_0 corresponding to an RBC volume of 2.2 L. N_{loss} and P_{max} are used as adjustable parameters. The resulting best-fit estimates are $P_{\text{max}} = 8.3 \times 10^{11}$ cells d^{-1} (95% CI: 5.3×10^{11} -1.0×10^{12} cells d^{-1}) and N_{loss} corresponding to RBC volume of 1.1 L (95% CI: 1.0-1.2 L). The error bars are maximum and minimum values of the measurements across patients. The dotted lines are 95% confidence intervals on the predictions.