Physiologically aged red blood cells undergo erythrophagocytosis in vivo but not in vitro

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Online Supplementary Figure S1. Hematocrit is elevated by hypertransfusion. Blood was drawn at the indicated times and hematocrit determined in untreated (control) and hypertransfused (Ht)-mice.
Online Supplementary Figure S2. Down-regulation of erythropoietin (Epo) expression in hypertransfused mice 2 weeks after hypertransfusion. Two kidneys each of three mice hypertransfused with 3.2 mL blood and of three untreated mice were analyzed for epo mRNA levels by semi-quantitative polymerase chain reaction. For epo, 35 cycles were found to be in the linear amplification range and for β-actin 22 cycles were used. EtBr-stained, 2% agarose gels are shown. Epo in the upper gel and β-actin in the lower gel. No template control (NTC) was examined in the last well as a negative control.

Online Supplementary Figure S3. Reticulocyte count is decreased by hypertransfusion. Blood was drawn at indicated times and reticulocytes determined in untreated (control) and hypertransfused (ht)-mice. Six weeks after initial hypertransfusion, the reticulocyte count was 3.3%±1.9 in ht-mice and 5.5±0.7 in control-mice (n=2).