Expanded renal lymphatics improve recovery following kidney injury

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Short title: Renal lymphatics in kidney injury
Supplementary Figure 1 Dimerizer effect on WT mice. Functional indicators at 2 and 7 days following dimerizer delivery to wild type littermates include: (A) serum creatinine (SCr); (B) transcutaneous glomerulation filtration rate (GFR); (C) 24 hour urine volume; (D) blood urea nitrogen (BUN); (E) urinary protein:creatinine (PCR); (F) urinary albumin:creatinine (ACR) n=5 (day 2), 4 (day 7). n=5 (day 2), n=4 (day 7) for all except GFR n=3 at both time points. Statistical comparisons were made using an unpaired t-test with Welch’s correction.
**Supplementary Figure 2** Kim1 staining indicates a similar extent of injury in POD vs. KidVD+POD. (A) Immunofluorescence imaging of Kidney injury molecule-1 (KIM-1), for Kim1 (green), and DAPI (blue) at 2 and 7 days post-injury. Scale bars = 100 µm. (B) Percent of area positive for KIM-1 immunolabeling on tissue. The images were taken at 10X magnification and, for quantification, 5 different fields/section were imaged. (n=3) Statistical comparisons were made using two-way ANOVA with Tukey’s correction, *p<0.05 compares POD to KidVD genotype effect at same time point, #p<0.05 effect over time for the same genotype.
Supplementary Figure 3 Immune cell populations in POD-ATTAC mice. (A) F4/80+Ly6G- macrophages % of CD45+ cells; (B) F4/80-Ly6G+ polymorphonuclear (PMN) cells % of CD45+ cells; (C) CD19+ % of CD45+ cells; and (D) CD11c+ % of CD45+ cells. n=4 POD, 5 KidVD+POD. Statistical comparisons were made using two-way ANOVA with Tukey’s correction, *p<0.05 compares POD to KidVD+POD genotype effect at same time point, #p<0.05 effect from baseline or over time for the same genotype.
Supplementary Figure 4 Immune cell populations in IRI mice. (A) F4/80+Ly6G- macrophages % of CD45+ cells; (B) F4/80-Ly6G+ polymorphonuclear (PMN) cells % of CD45+ cells; (C) CD19+ % of CD45+ cells; and (D) CD11c+ % of CD45+ cells. Statistical comparisons were made using two-way ANOVA with Tukey's correction, *p<0.05 compares WT to KidVD genotype effect at same time point, #p<0.05 effect from baseline or over time for the same genotype.