Supplementary information

Uremia does not affect neointima formation in mice

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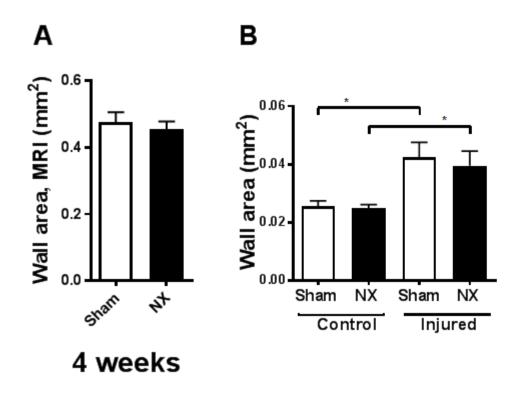
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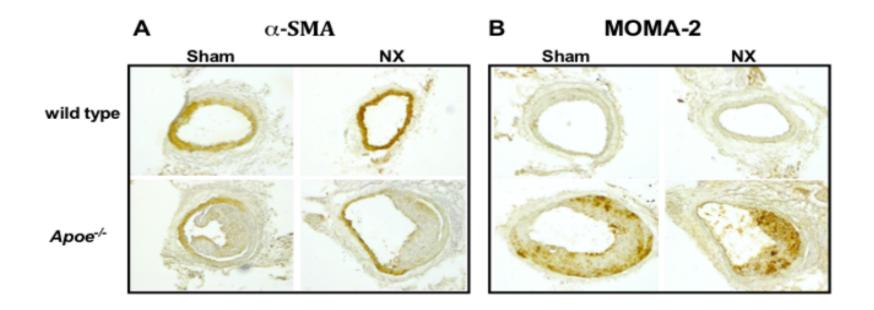
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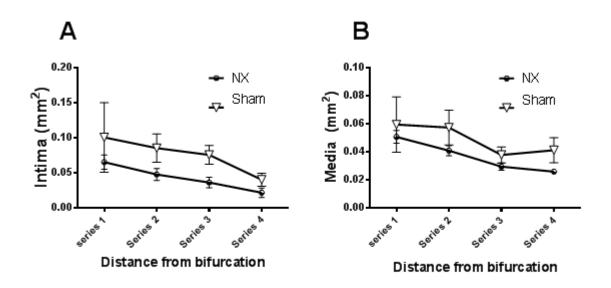
Suppl. Figure 1. Uremia does not affect carotid wall area following wire-induced injury.

A. Quantification of cross-sectional vascular wall area by in vivo serial magnetic resonance imaging (MRI) in injured carotids of uremic (NX) and sham-operated (sham) C57Bl/6 mice 4 weeks after wire injury (average of 4 serial pictures per mouse, n=5/group). **B**. Quantification of cross-sectional vascular wall area of injured and control carotid arteries from NX (n=11) and sham (n=8) mice. Average of 8-12 sections per mouse. Data are presented as mean±SEM. *p<0.05. Unpaired t-test (**A**) or 1-way ANOVA followed by Sidak's multible comparison test (**B**).



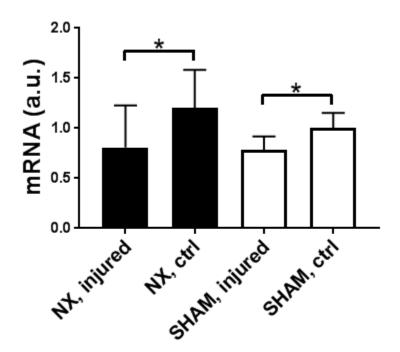
Suppl. Fig 2. Uremia does not affect smooth muscle and macrophage staining in carotid arteries after vascular injury in wild type and Apoe-I- mice.

Immunohistochemical analysis of carotid arteries from sham-operated (sham) and uremic (NX) wild type and Apoe-/- mice following wire-induced vascular injury. **A**. Sections stained for the smooth muscle marker α-SMA. **B**. sections stained for the macrophage marker MOMA-2. Brown staining indicates positive cells in both **A** and **B**.



Suppl. Figure 3. Uremia does not affect the intimal or medial area after vascular injury in carotids of Apoe-I- mice.

Histological quantification of cross-sectional intimal (**A**) and medial (**B**) areas in injured carotid arteries from uremic (NX, n=11) and sham-operated (sham, n=7) Apoe-/- mice, 4 weeks after wire injury. Sections are from 4 different anatomical locations, series 1-4, average of 2-4 sections/mouse per series. Unpaired t-test with Holm-Sidak correction for multiple comparisons.



Suppl. Figure 4. Wire injury leads to downregulation of mRNA expression of PECAM1.

mRNA expression of PECAM1 in injured or un-injured control (ctrl) carotids from sham-operated (sham) or uremic (NX) mice. PECAM1 expression was normalized to expression of the housekeeping gene CANX and is reported in arbitrary units (a.u.). Depicted values are mean +/- SD. *p<0.05. Unpaired t-test.