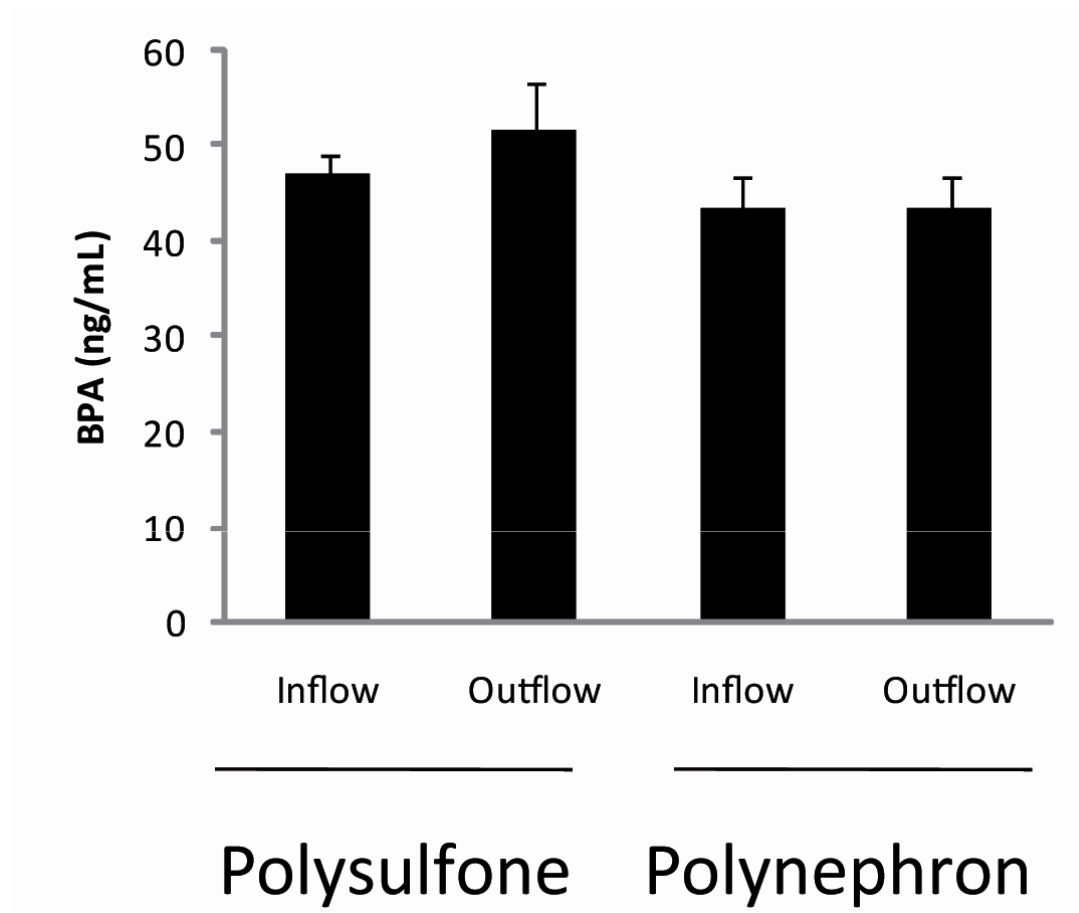


	N	Mean	Standard deviation
Age	7	60	17
Kt/Vurea	7	1.48	0.34
White blood cells (thousands/ μ L)	7	7.9	3.8
Hemoglobin (g/dl)	7	9.8	1.6
25 OH vitamin D (ng/mL)	7	8.0	5.2
Total proteins (g/dl)	7	6.3	0.4
Albumin (g/dl)	7	3.4	0.35
Calcium (mg/dl)	7	8.4	1.0
Phosphate (mg/dl)	7	4.6	1.1
Cholesterol (mg/dl)	7	143	23
Triglycerides (mg/dl)	7	124	56
C reactive protein (mg/dl)	7	14.5	18.9
Parathormone (pg/ml)*	7	378	257-712
EPO dose (U/week)	7/7 (100%)	8831	3371
Calcium-based P binders (mg/day)	3/7 (42.85%)	3666	2081
Sevelamer (mg/day)	2/7 (28.57%)	3600	1697
Lanthanum (mg/day)	0/7 (0%)	-	-
Magnesium-based P binders (mg/day)	0/7 (0%)	-	-

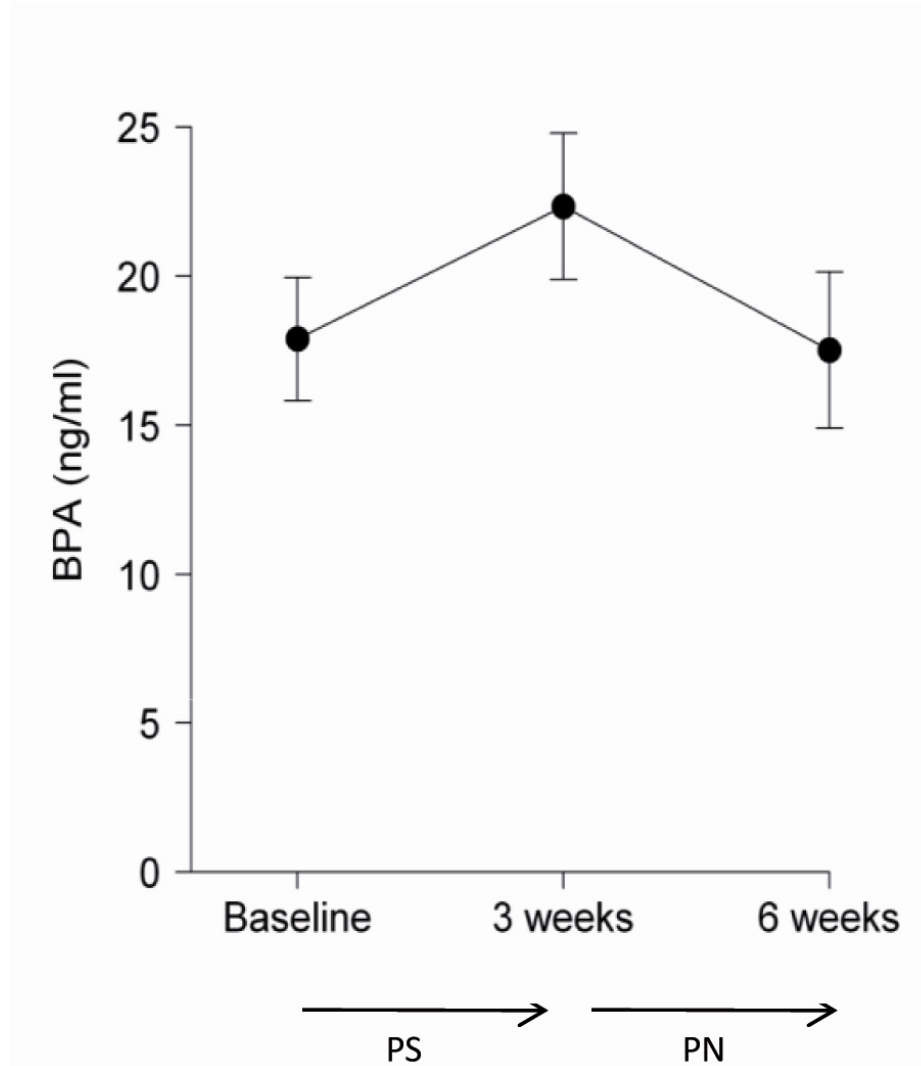
Supplementary table 1. Baseline clinical and biochemical characteristics. Pilot incident patient study.

P: phosphate

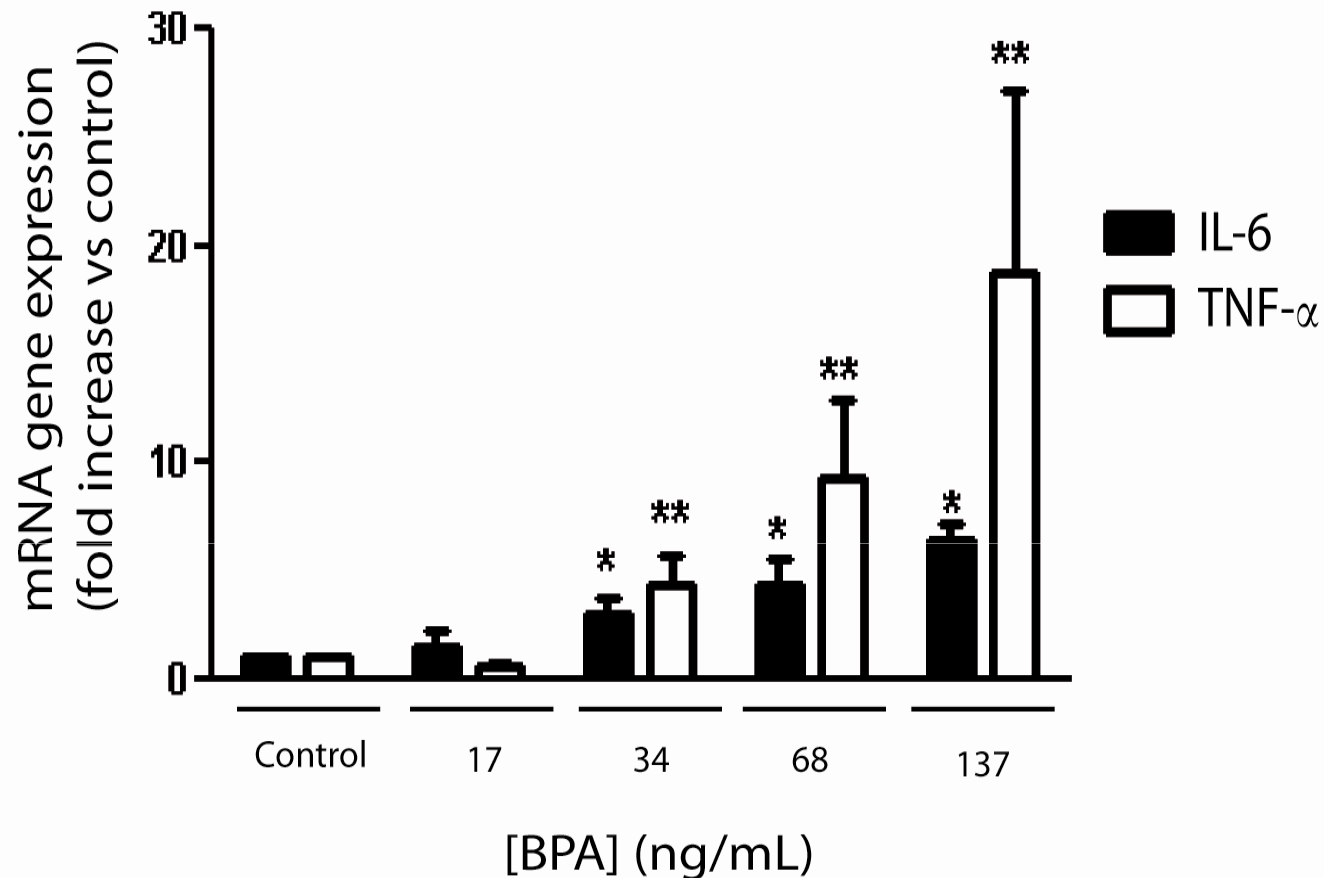
* Median and interquartile range shown



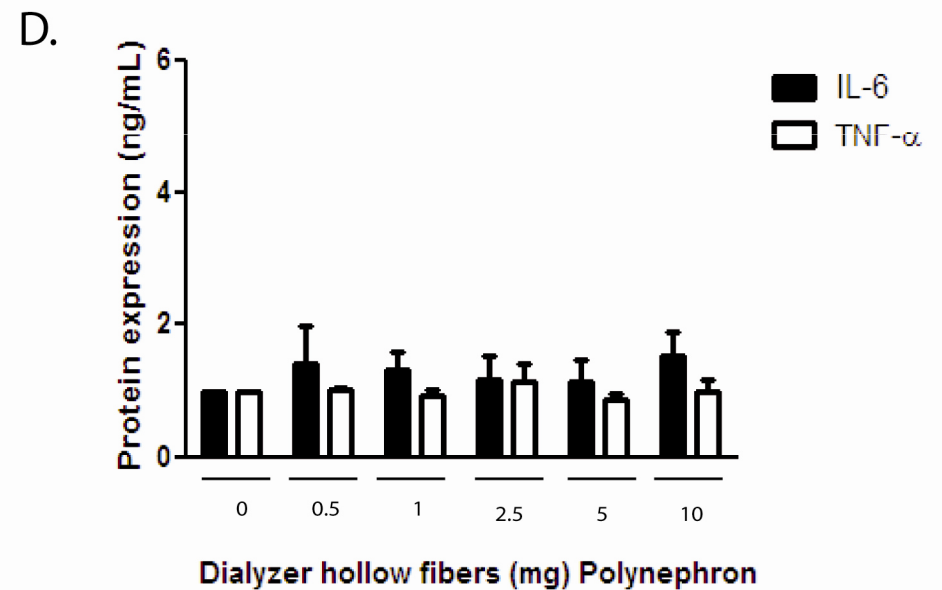
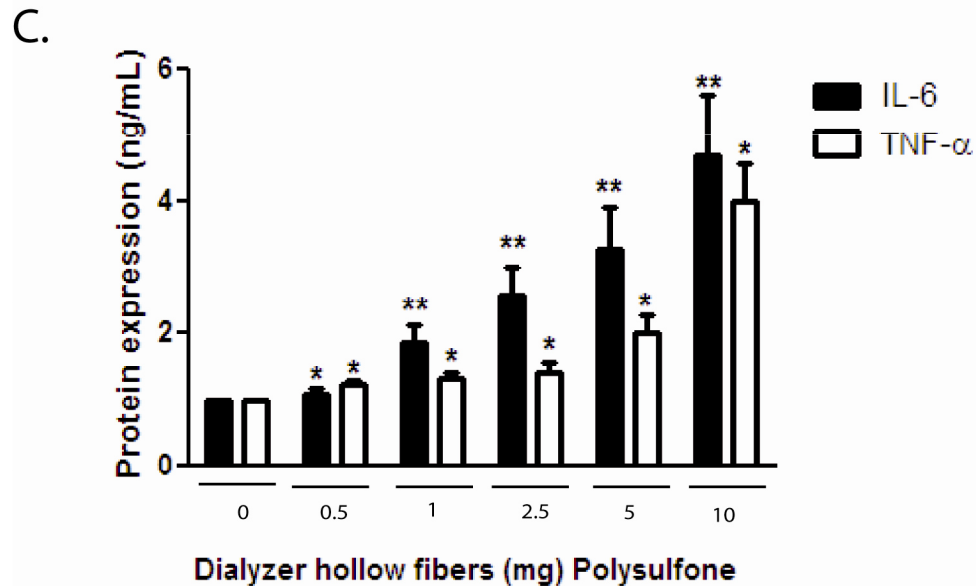
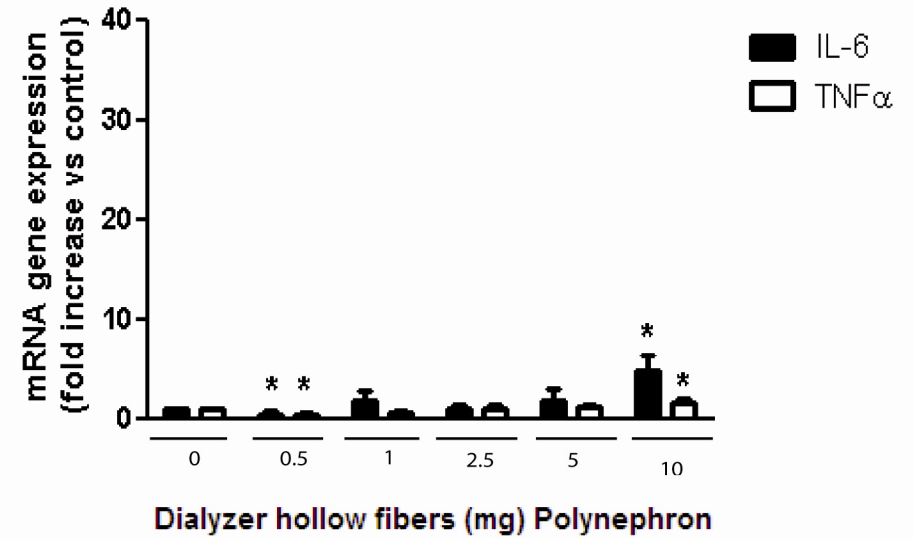
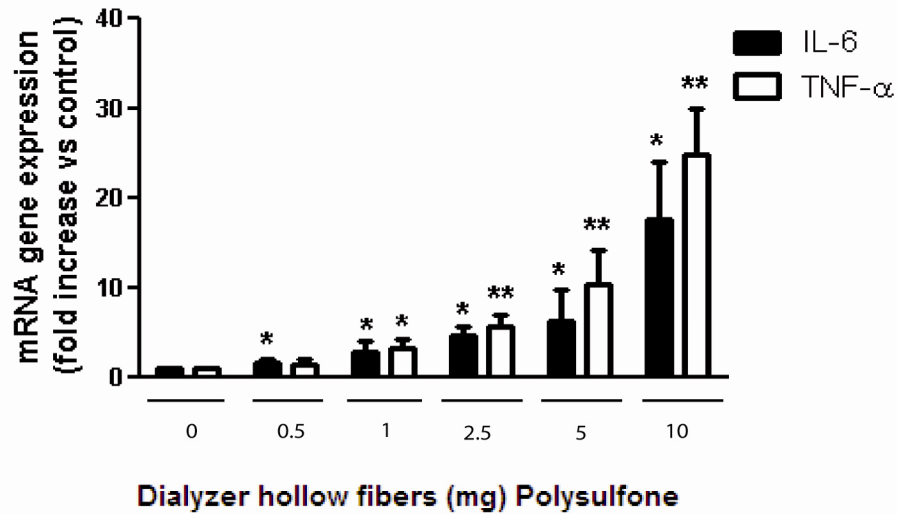
Supplementary figure 1. Inflow and outflow serum BPA concentrations. Inflow and outflow serum BPA was assessed in 5 patients.



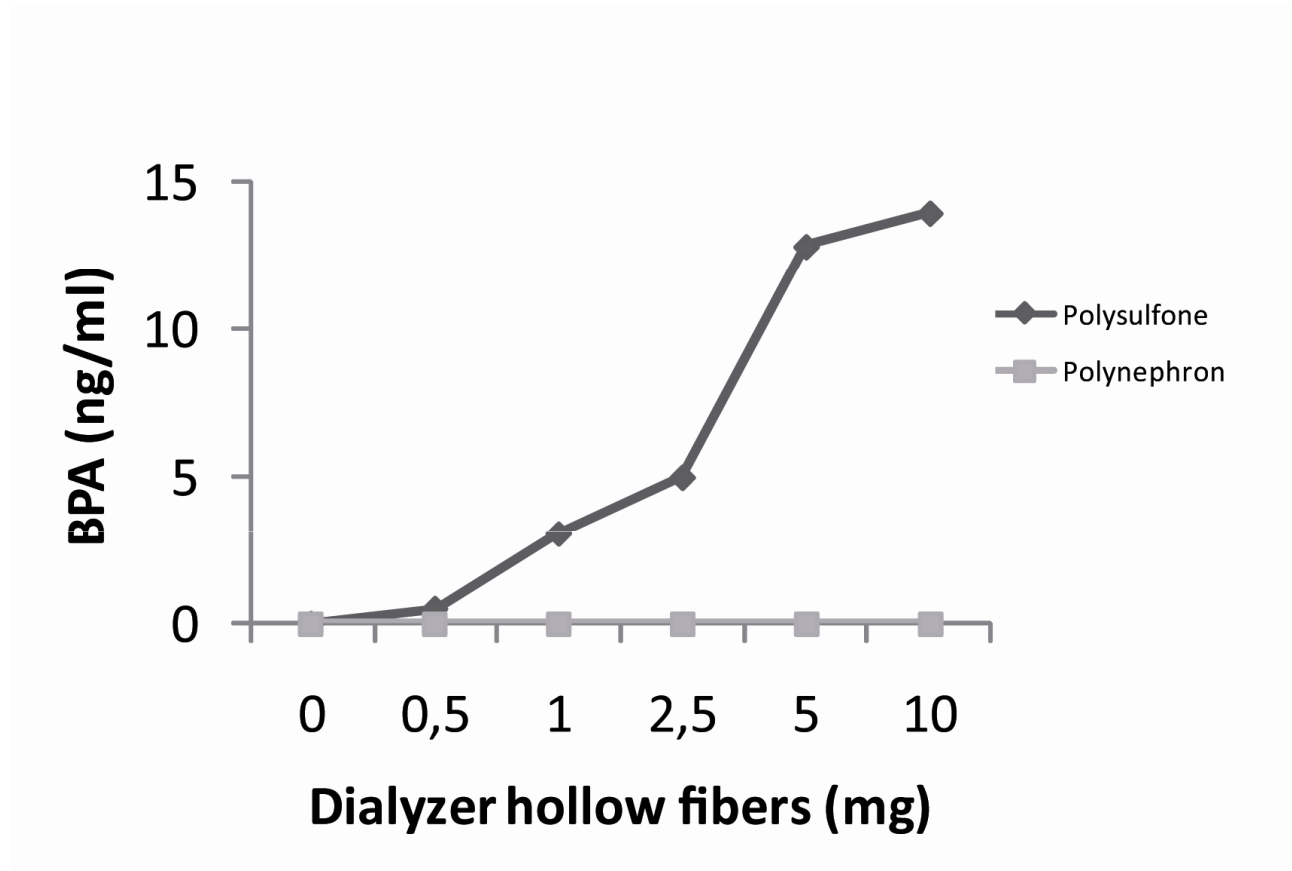
Supplementary figure 2. Serum BPA concentrations in incident hemodialysis patients. Incident hemodialysis patients (n=7) were evaluated at baseline and following three weeks of dialysis with polysulfone and next polynephron membranes.



Supplementary figure 3. BPA is proinflammatory. PBMC were cultured for 24 hours in the presence of different concentrations of BPA. BPA dose-dependently increases the mRNA expression for the inflammatory cytokines TNF and IL-6. qRT-PCR.



Supplementary figure 4. BPA-containing dialyzer fibers (polysulfone) are proinflammatory. PBMC were cultured for 24 hours in the presence of different concentrations of mashed dialyzer fibers. **A)** BPA-containing dialyzer fibers (polysulfone) dose-dependently increase cytokine mRNA expression. qRT-PCR. **B)** BPA-free dialyzer fibers (polynephron) effect on cytokine mRNA expression. **C)** BPA-containing dialyzer fibers (polysulfone) dose-dependently increase supernatant cytokine levels. ELISA. **D)** BPA-free dialyzer fibers (polynephron) effect on supernatant cytokine levels. Mean \pm SEM of 7 independent experiments. * $p < 0.05$ vs control; ** $p < 0.001$ vs control.



Supplementary figure 5. BPA is released to the supernatants from dialyzer fibers (polysulfone or polynephron) in culture for 24 hours (mean of 2 experiments).