

Effect of the nanoparticle synthesis way on dendronized iron oxides as MRI contrast agents

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Supporting Information

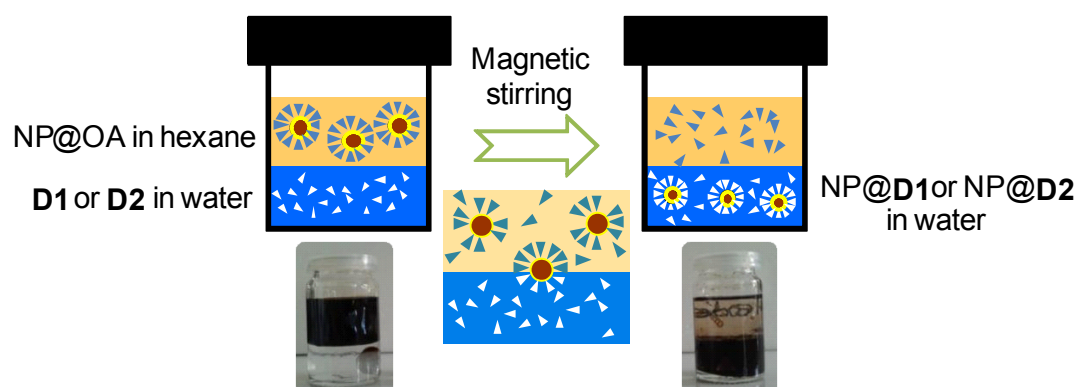


Fig. S1 Scheme of the ligand exchange and phase transfer experiment.

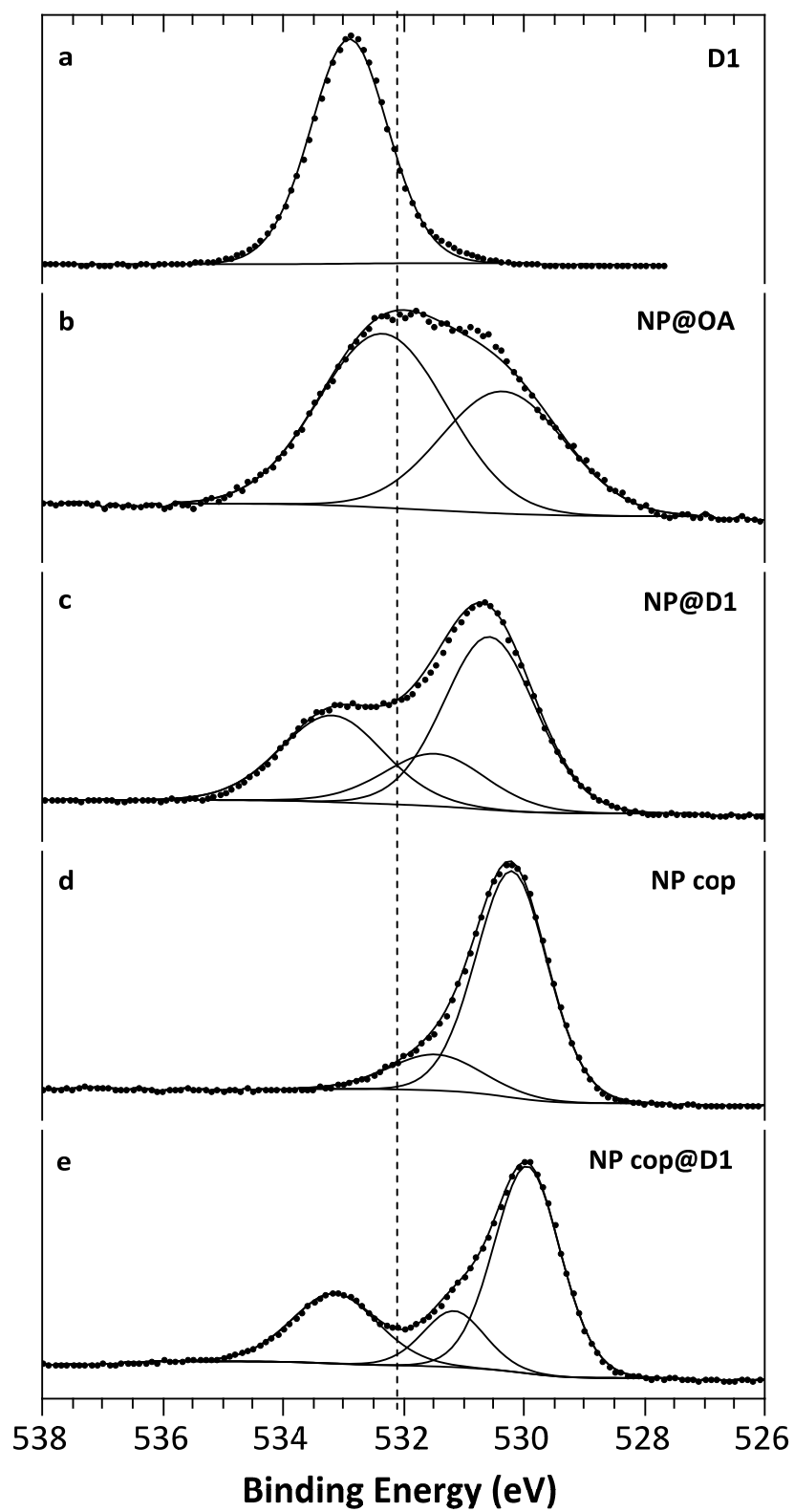


Fig. S2 O1s XPS spectra of **D1** (a), **NP@OA** (b), **NP@D1** (c), **NPcop** (d) and **NPcop@D1** (e)
(dashed line = 531.5 eV)

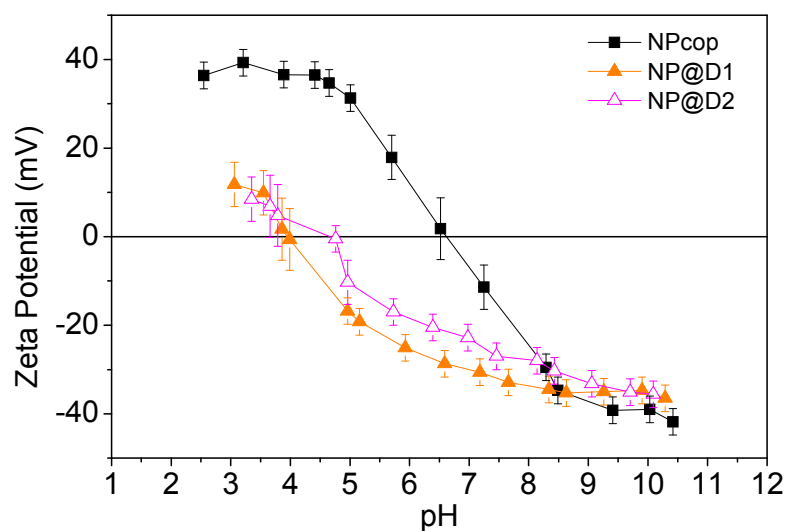


Fig. S3 Zeta potential curves of dendronized iron oxide nanoparticles NPcop, NP@D1 and NP@D2.

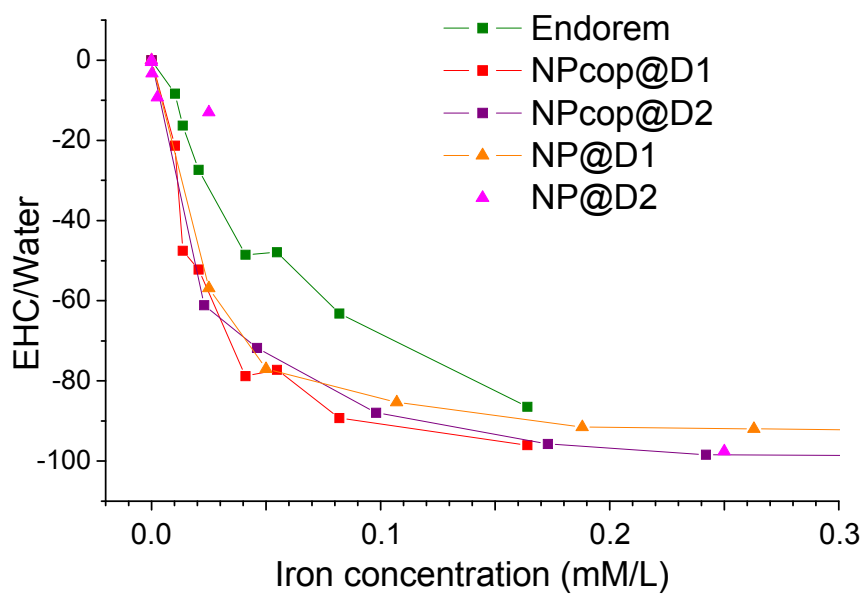


Fig. S4 Evolution of EHC water as a function of the iron concentration for both types of NPs measured at 7T, room temperature and pH = 6.5.

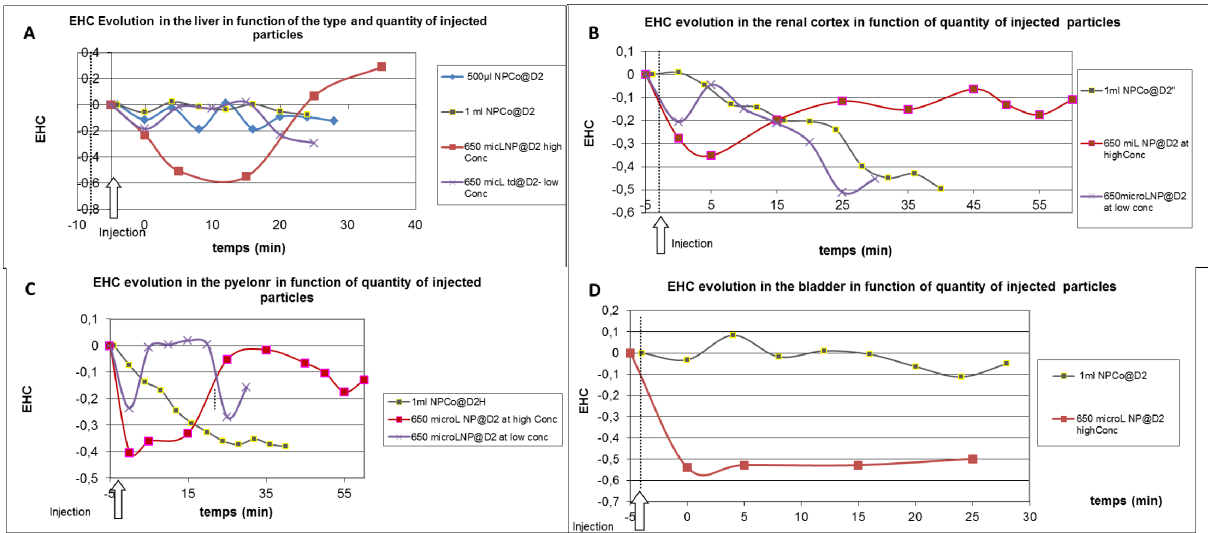


Fig. S5 EHC evolution as a function of time and of the injected NPs concentration in the liver (A), renal cortex (B), renal pelvis (C) and bladder (D).