

Supplementary Information

pH-sensitive Magnetite Mesoporous Silica nanocomposites

for Controlled Drug Delivery and Hyperthermia[†]

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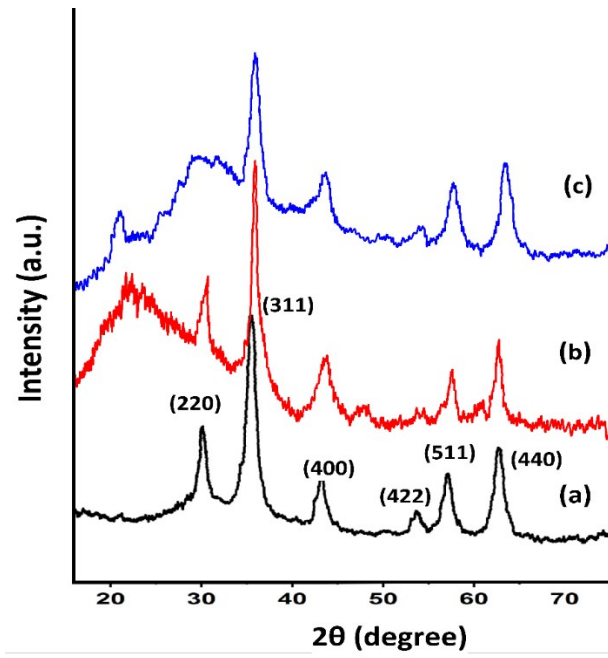


Figure S1. XRD pattern for (a) magnetite (b) magnetite mesoporous silica nanoparticles (c) MMSN@CS hydrogel

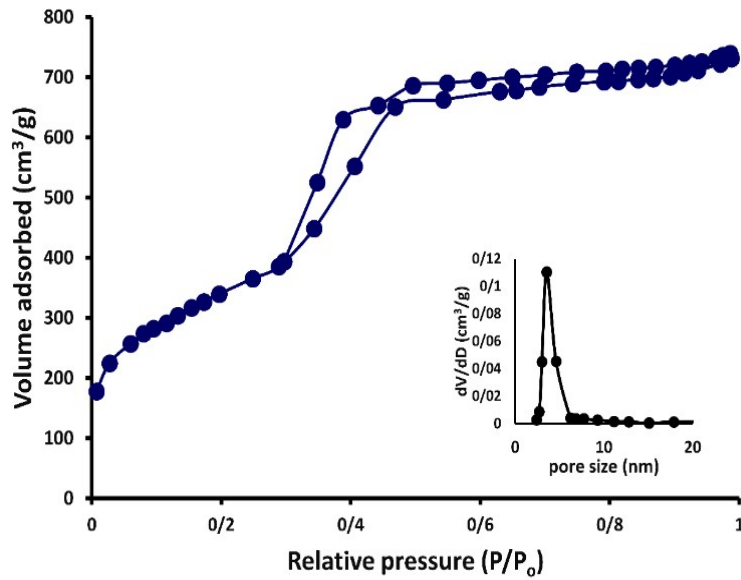


Figure S2. (a) N_2 adsorption / desorption isotherm (b) Pore size distribution curve (BJH method) of MMSN particles before drug loading

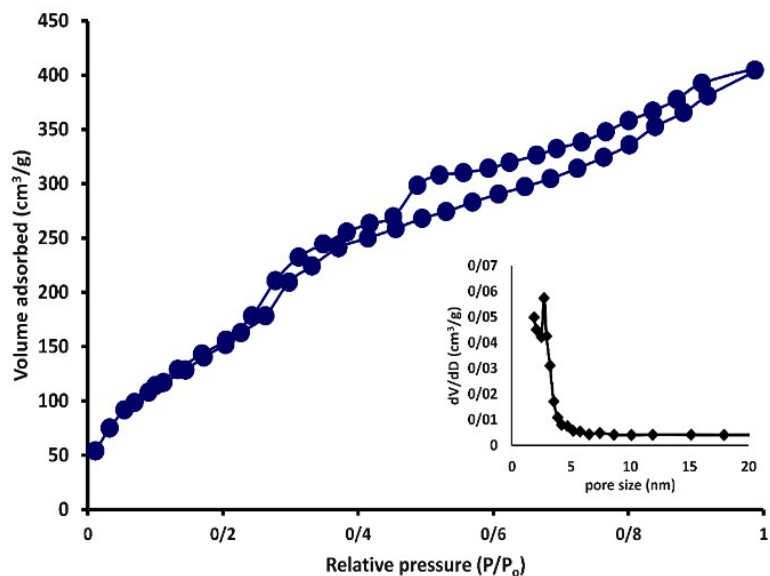


Figure S3. (a) N_2 adsorption / desorption isotherm (b) Pore size distribution curve (BJH method) of MMSN particles after drug loading

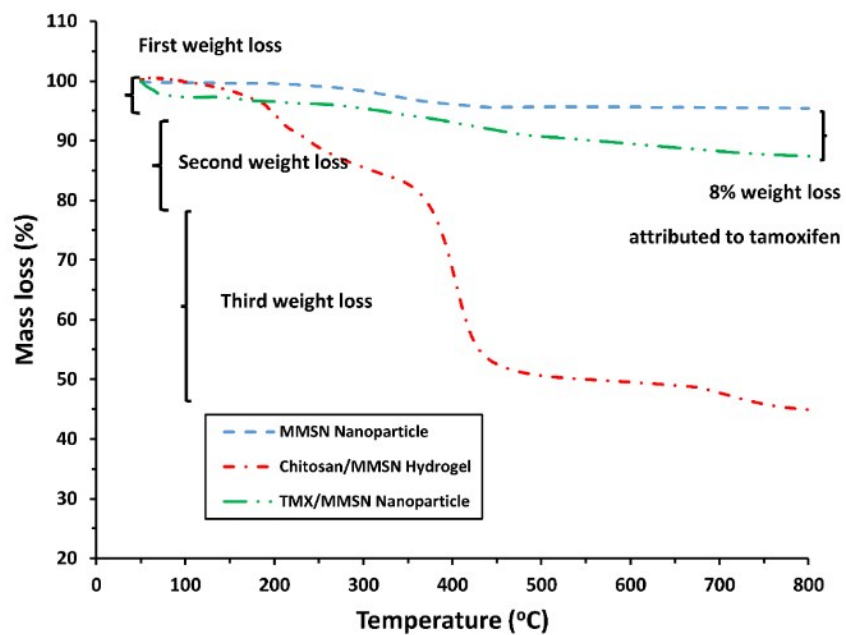


Figure S4. TGA graphs of MMSN before and after drug loading and MMSN@CS hydrogel

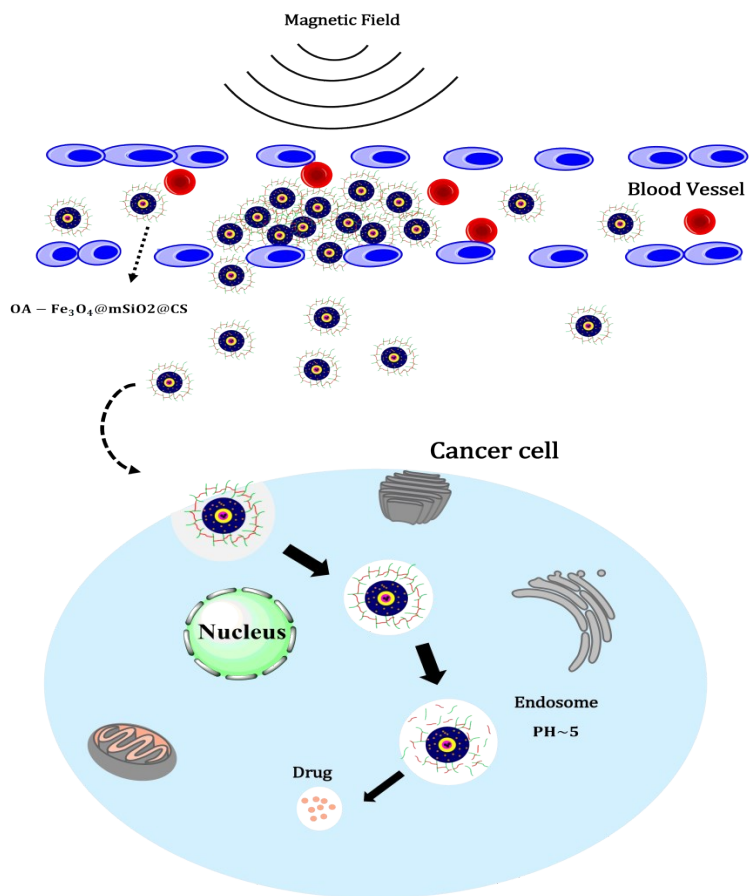


Figure S5. Scheme of the circulation of chitosan hydrogel in the body