Optimizing oxygen-production kinetics of manganese dioxide nanoparticles improves hypoxia reversal and survival in mice with bone metastases

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Supplementary Information

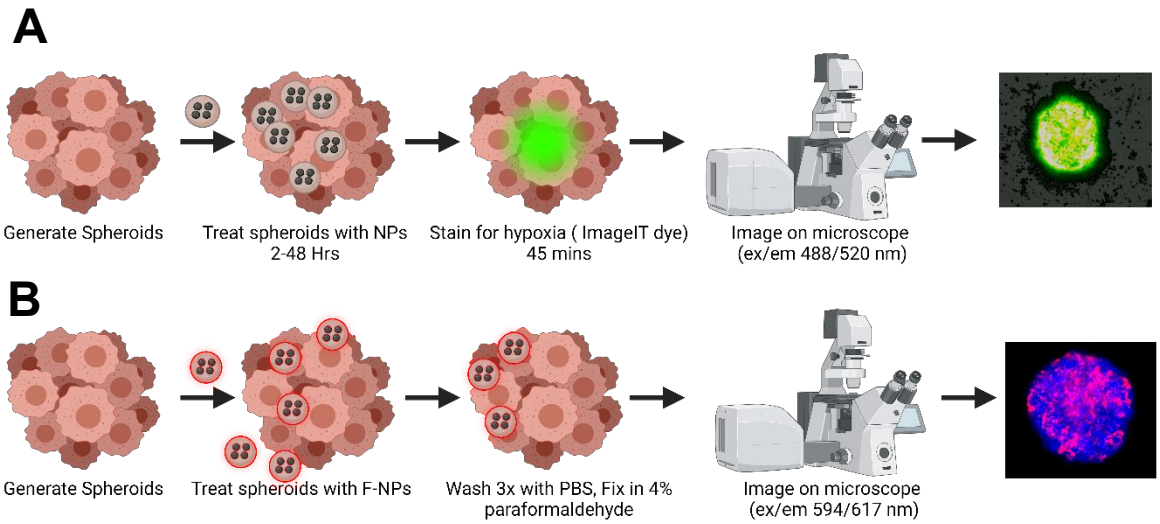

Figure S1: Schemes for imaging spheroid hypoxia (A) and NP uptake (B)

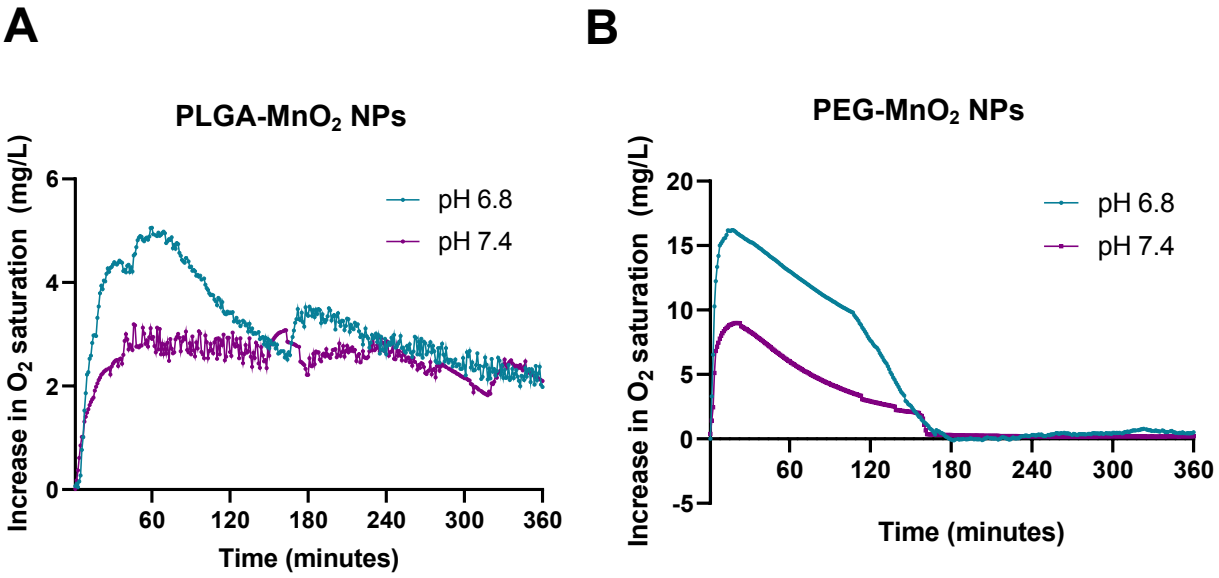

Figure S2: Increase in O_2 saturation in different pHs for PLGA-MnO_2 NPs (A) and PEG-MnO_2 NPs (B)

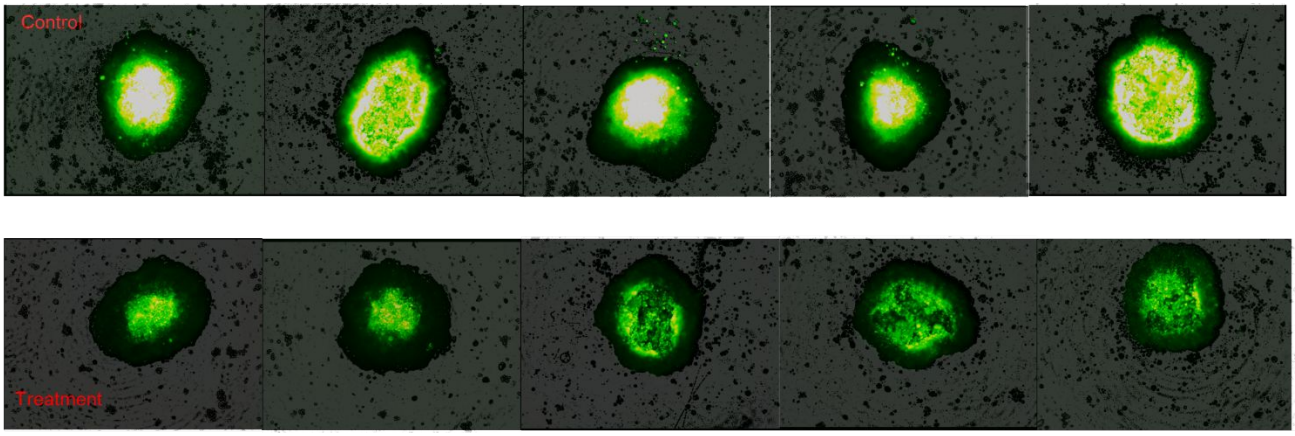

Figure S3: Overlay of brightfield and fluorescent images showing decreasing size of hypoxic core after nanoparticle treatment.

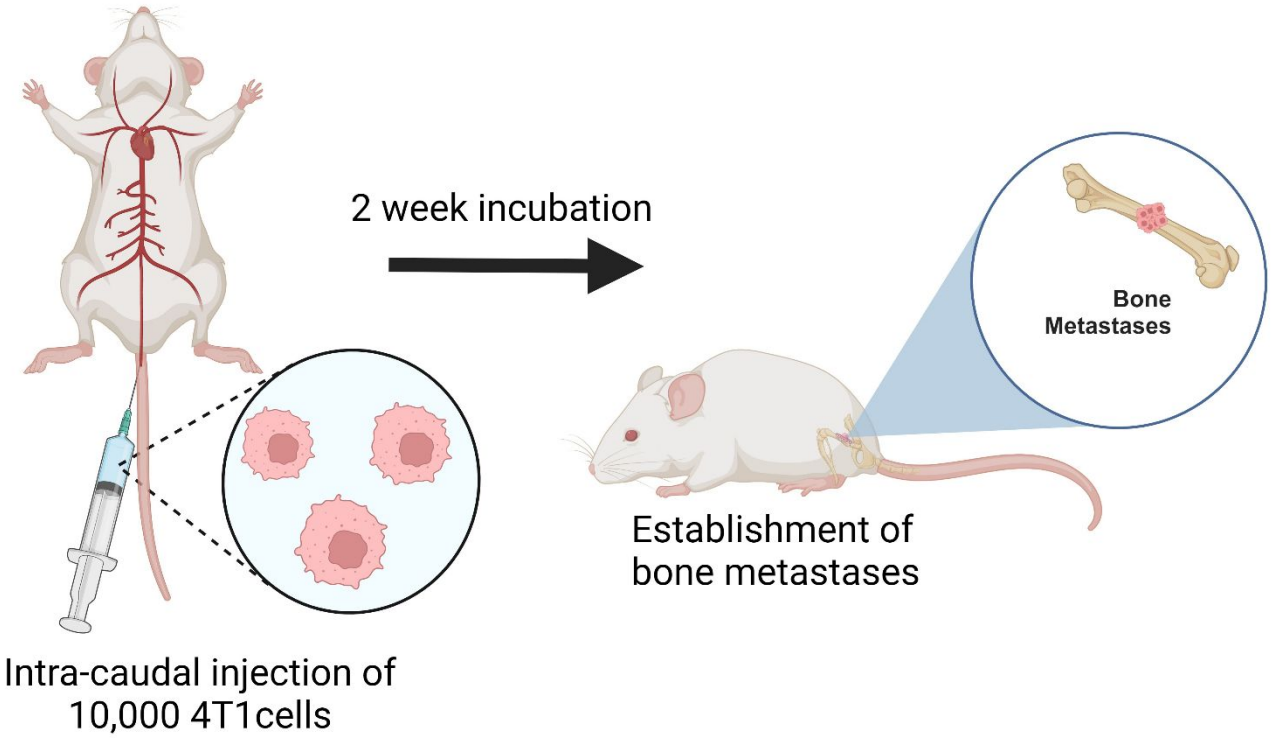

Figure S4: Scheme of intra-caudal injection of 4T1 cells to develop an in vivo bone metastases model.