

Supplemental Files

Liposome-Coated Nanoparticle Triggers Prostate Cancer Ferroptosis through Synergetic Chemodynamic-Gas Therapy

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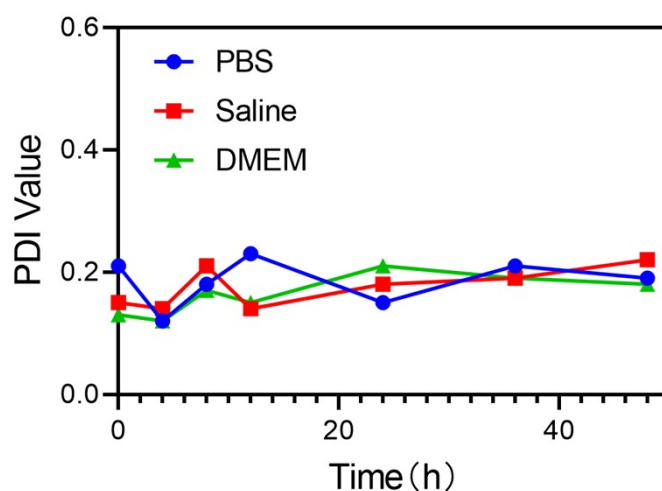


Figure S1. Changes of PDI value of Lpo@MnS-GOx NPs in PBS, Saline, and DMEM.

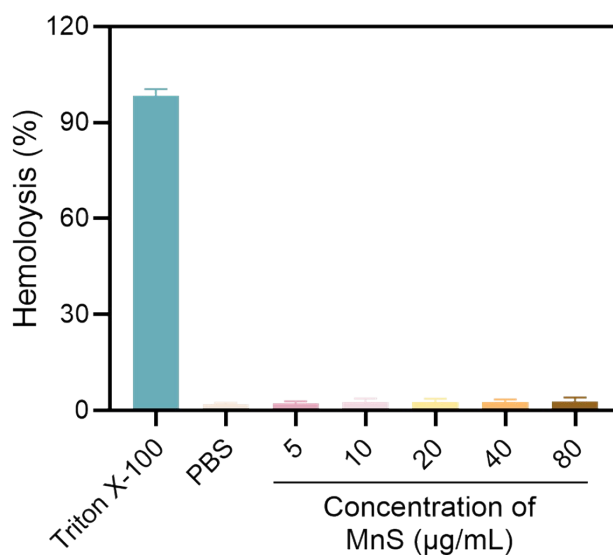


Figure S2. The hemolytic potential of different concentrations of Lpo@MnS-GOx NPs were evaluated. Triton X-100 was used as positive control, while PBS as negative control.

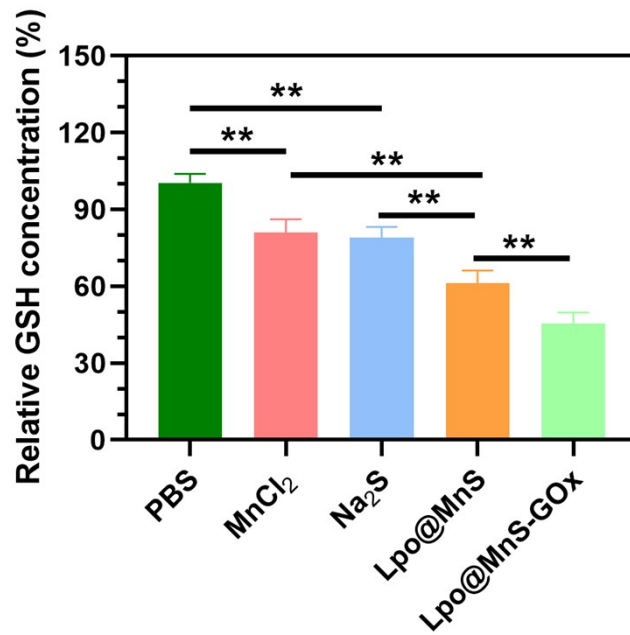


Figure S3. Detection of GSH level of PC-3 cells after various treatment. ** $P < 0.05$, *** $P < 0.001$.

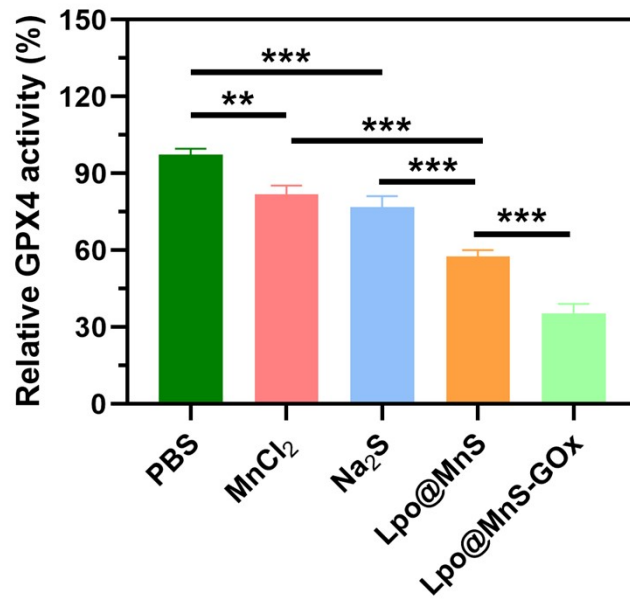


Figure S4. Evaluation of GPX4 activity within PC-3 cells. ** $P < 0.01$, *** $P < 0.001$.

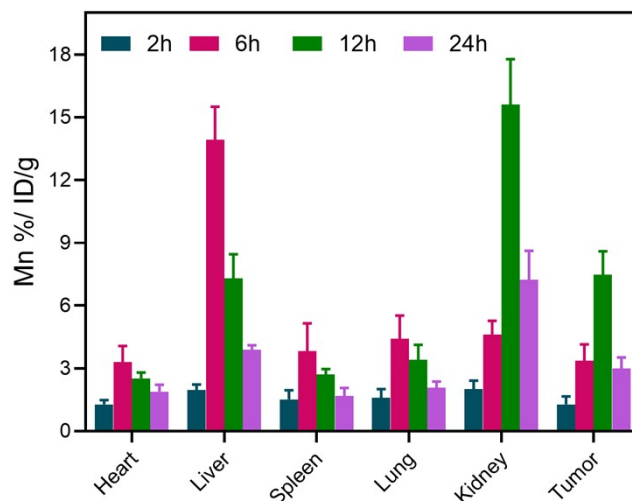


Figure S5. In vivo distributions of Mn ions after intravenous administration of Lpo@MnS-GOx NPs into tumor-bearing mice for different post-injection time points.

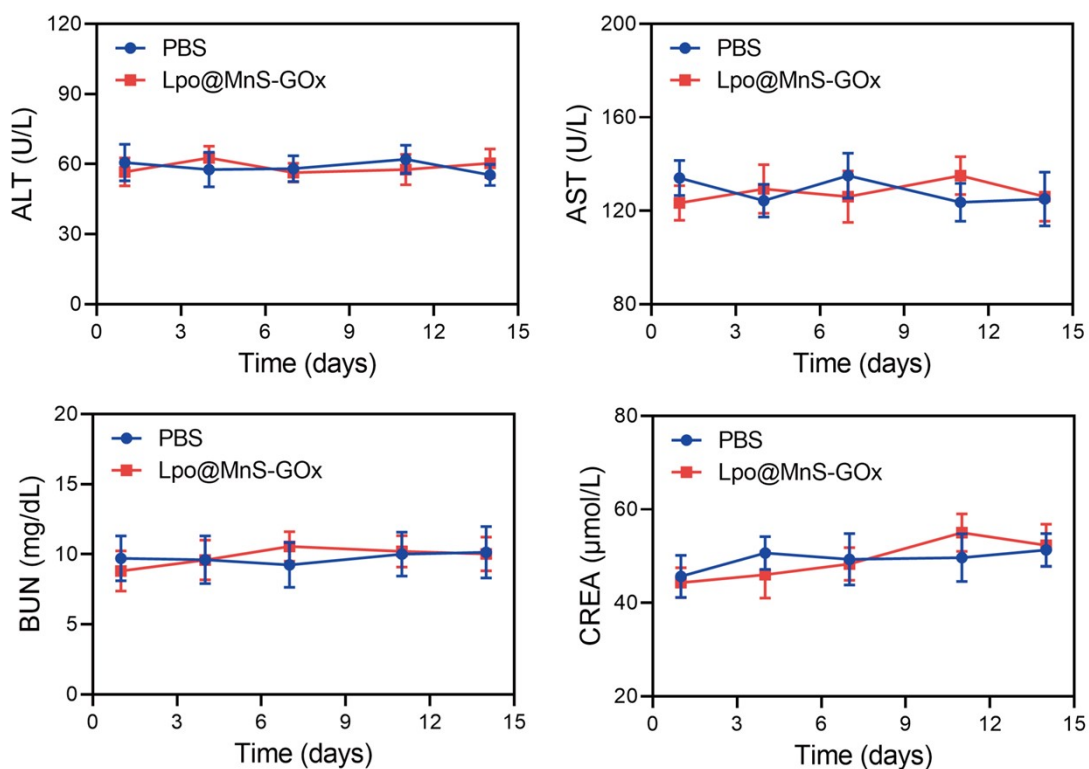


Figure S6. Biochemical parameters in serum collected from mice treated with PBS, and Lpo@MnS-GOx NPs were evaluated. AST, aspartate aminotransferase; ALT: alanine aminotransferase; BUN: blood urea nitrogen; CREA: serum creatinine.

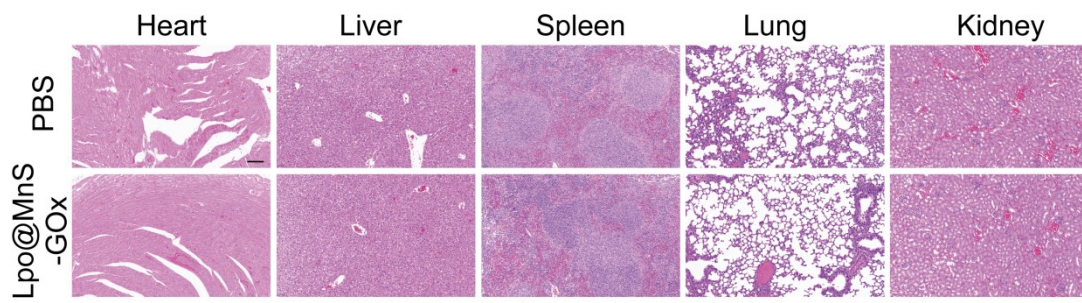


Figure S7. Histopathological analysis of major organs and tissues isolated from Lpo@MnS-GOx-treated mice. Scale bar, 100 μm .