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Injectable Nanocomposite Hydrogel Co-Constructed by Gold Nanorods and Paclitaxel-Loaded Nanoparticles for Local Chemo-Photothermal Synergetic Cancer Therapy

Meiyan Liu, ^{a,b} Pingsheng Huang, *b Weiwei Wang, ^b Zujian Feng, ^a Jianhua Zhang, ^a Liandong Deng, ^a Anjie Dong *a,c

Corresponding Author

*E-mail: sheng1989.2008@163.com; ajdong@tju.edu.cn

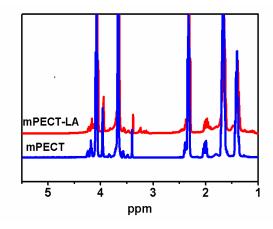


Fig. S1. ¹H NMR spectra of mPECT and mPECT-LA (modified mPECT with lipoic acid).

^a Department of Polymer Science and Engineering, Key Laboratory of Systems Bioengineering (Ministry of Education), School of Chemical Engineering and Technology, Tianjin University, Tianjin 300072, China

^b Tianjin Key Laboratory of Biomaterial Research, Institute of Biomedical Engineering, Chinese Academy of Medical Sciences and Peking

Union Medical College, Tianjin 300192, China

^c Collaborative Innovation Center of Chemical Science and Engineering (Tianjin), Tianjin 300072, China

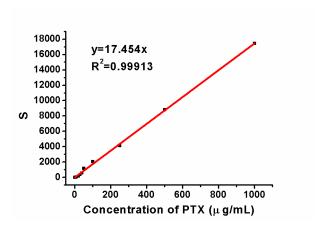


Fig. S2. The standard curve of the PTX measured through HPLC.

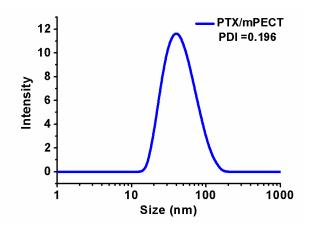


Fig. S3. The size distribution of PTX/mPECT nanoparticles determined by DLS.

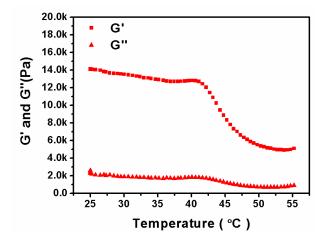


Fig. S4. Influence of temperature on the rheological behavior of $^{AuNR}mPECT^{gel}$. (The temperature was from 25 $^{\circ}C$ to 55 $^{\circ}C$).

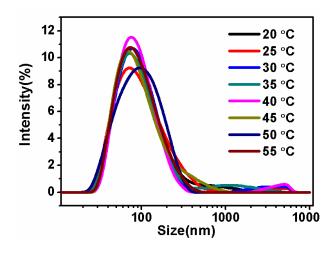


Fig. S5. The size distribution of mPECT nanoparticles determined by DLS (The temperature was from 20 $^{\circ}$ C to 55 $^{\circ}$ C).

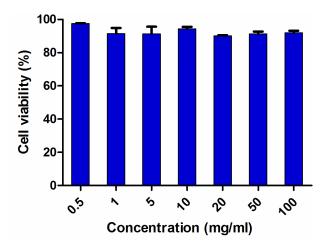


Fig. S6. CCK-8 assay results confirming the in vitro biocompatibility of mPECT^{gel} diluent against 4T1 cells for 24 h.

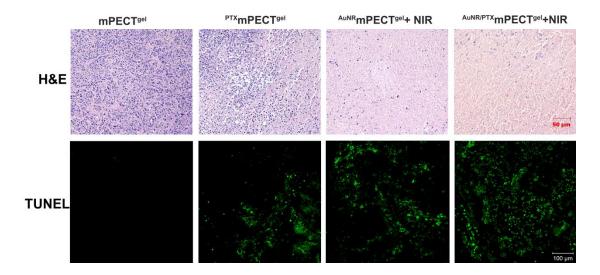


Fig. S7. Micrographs of tumor slices after H&E (upper) or TUNEL (bottom) staining collected at last day after various treatments in *in vivo* inhibition of tumor growth assay.

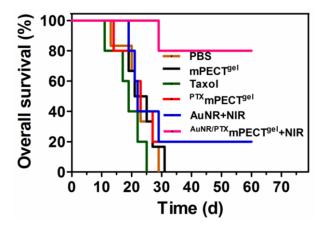


Fig. S8. Overall survival of the tumor resection mice of each groups (n = 6).