Supplementary data for

**Annealing-modulated nanoscintillators for nonconventional X-ray activation of comprehensive photodynamic effects in deep cancer theranostics**

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Figure S1. The survival rates of cells were determined by the MTT method after treated by 0, 20, 50, or 100 μg·mL⁻¹ of Y₂O₃:Eu@SiO₂ nanoparticles for 24 h in vitro. No obvious toxicity of Y₂O₃:Eu@SiO₂ nanoparticles is observed in both CAOV3 and SKOV3 cells.
Figure S2. Histopathologic examination of the major organs collected of nu mice in the X-ray PDT group, fractionated radiation therapy group and the control group at the experimental endpoint (scale bar: 20 mm).