

Supplementary information

Hollow PtCo alloy nanospheres as a high-Z and oxygen generating nanozyme for radiotherapy enhancement in non-small cell lung cancer

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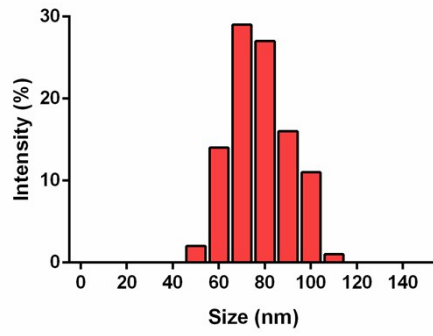
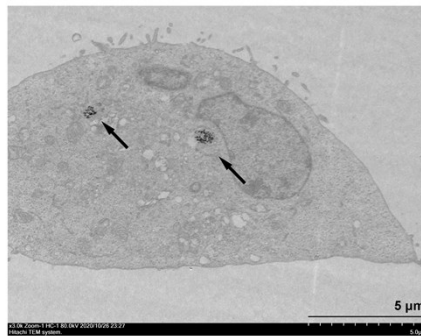


Fig. S1 DLS measurement of the diameters of PtCo NSs.



Cellular uptake

Fig. S2 TEM image of cellular uptake.

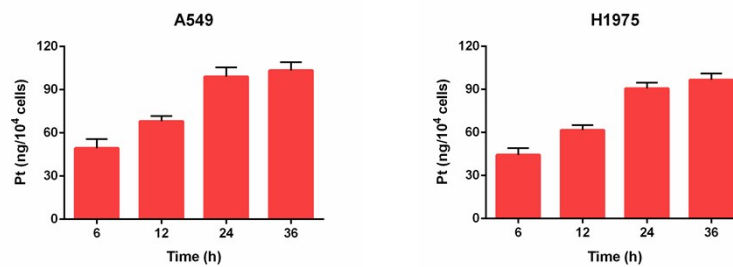


Fig. S3 The cellular uptake of PtCo NSs by A549 and H1975 cells with different internalization times (6, 12, 24 and 36 h).

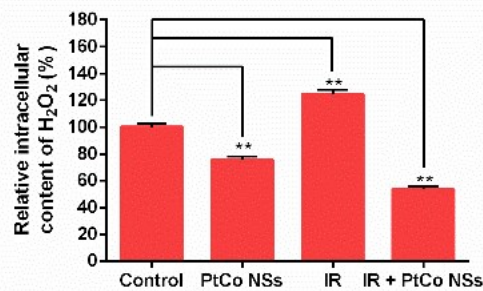


Fig. S4 Relative intracellular content of H₂O₂ in H1975 cells with different treatments. *, $p < 0.05$; **, $p < 0.01$.

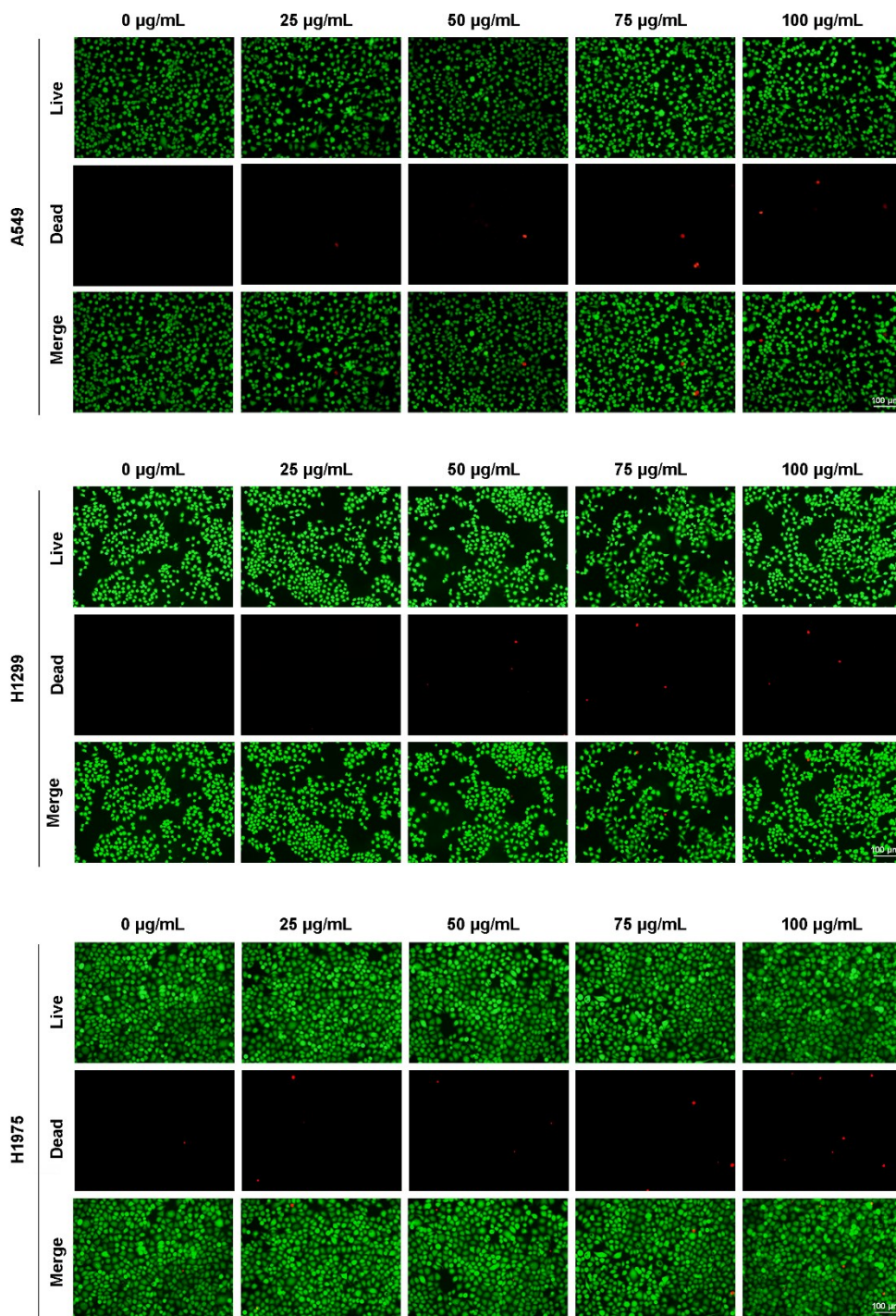


Fig. S5 Representative Fluorescent images of A549, H1299, H1975 cells co-stained with Calcein AM (live cells, green) and PI (dead cells, red) after incubated with PtCo NSs for 24 h. The scale bar is 100 μm .

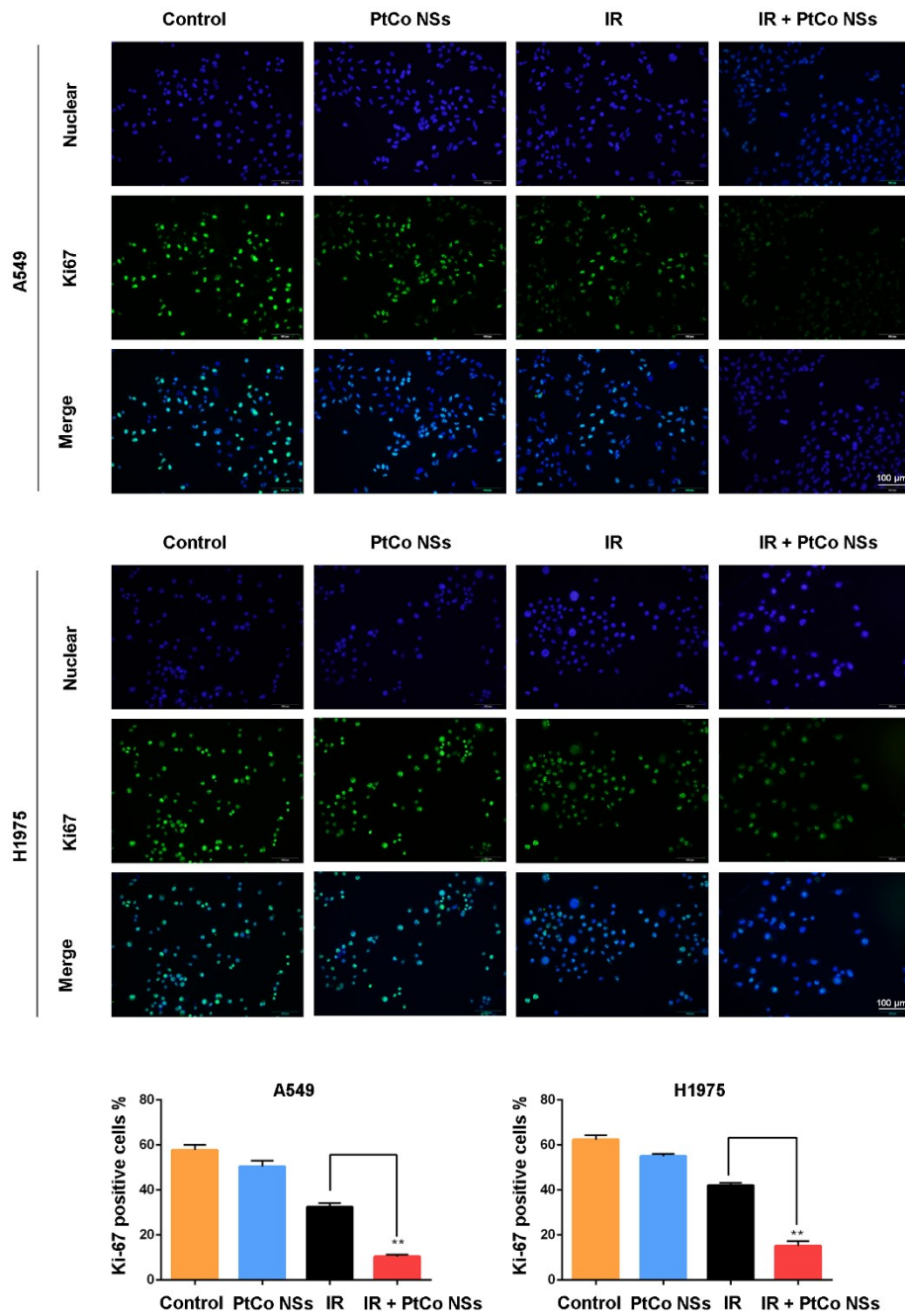


Fig. S6 Representative fluorescent images of Ki67 staining suggested that the combination further inhibited cell proliferation. The scale bar is 100 μ m. *, $p < 0.05$; **, $p < 0.01$.