Electronic Supplementary Information

Evaluation of CdTe/CdS/ZnS core/shell/shell quantum dots toxicity on three-dimensional spheroid cultures

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Supplementary Figures

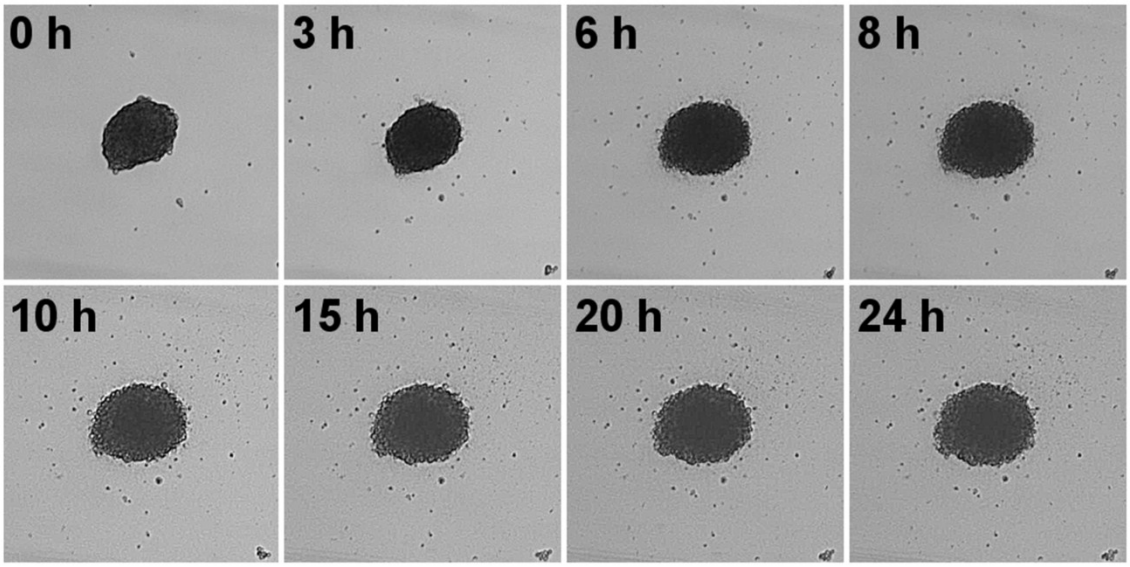

Fig. S1 Time-lapse microscope images of hAD-MSCs spheroids treated with 1200 µg/ml Qdot solution. Qdots were introduced to the spheroid after cells were incubated for 24 for spheroid formation (t_{QDOT}= 24 h). Effect of Qdots to spheroid morphology was monitored for 24 h.

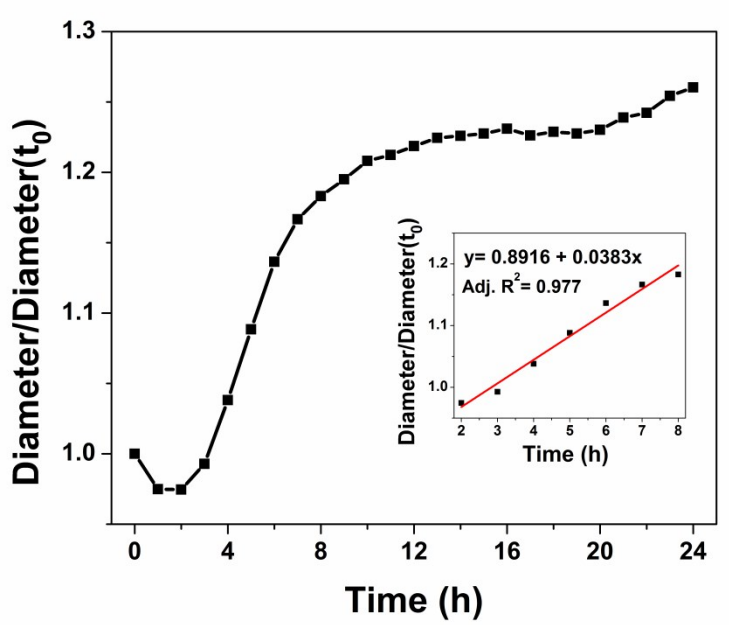

Fig. S2 Increase in hAD-MSCs spheroid diameters during Qdot exposure (1200 µg/ml) until 24 h. Spheroid diameters were normalized to the diameter of spheroid at the time= 0 h. Inset graph shows the linear relationship between the Qdot exposure time and the increase in spheroid diameter until 8 h (Adj. R^2=0.977).

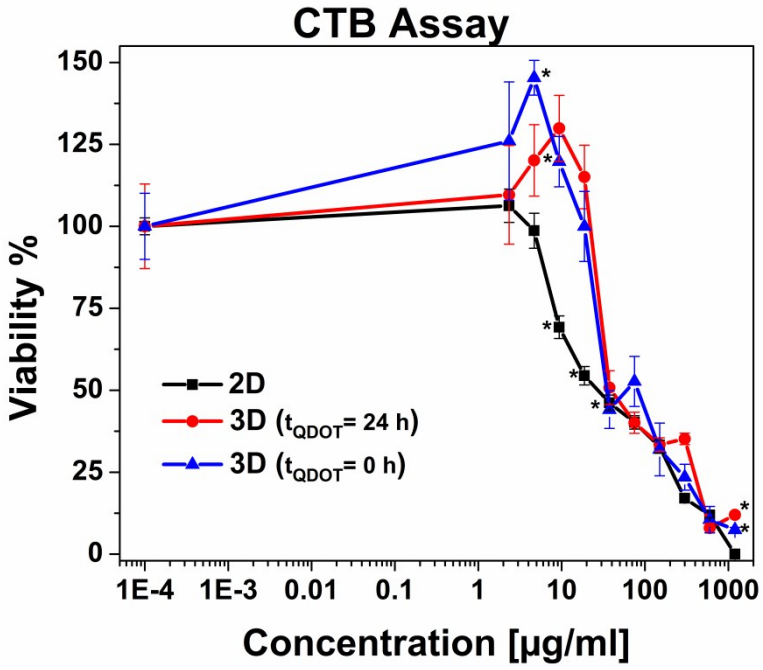

Fig. S3 Cell viability data obtained from CTB assay. The fluorescence signals were normalized to untreated control samples. Data points are means ± standard error of 3±1 independent experiments which were conducted with 4 replicates. * indicates significant difference at 0.01 level. $p < \alpha$=0.01 (ANOVA one-way).