

Supplementary Materials: Antitumor Effects of Intra-Arterial Delivery of Albumin-Doxorubicin Nanoparticle Conjugated Microbubbles Combined with Ultrasound-Targeted Microbubble Activation on VX2 Rabbit Liver Tumors

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Table S1. Percentage of echogenic area depending on the number of manual flashes.

Number of Manual Flashes (n)	0	10	20	40	60	80	100	120	140
Normalized Echogenic Area (%)	100	90.41	78.54	75.93	73.43	59.45	55.03	39.60	30.96

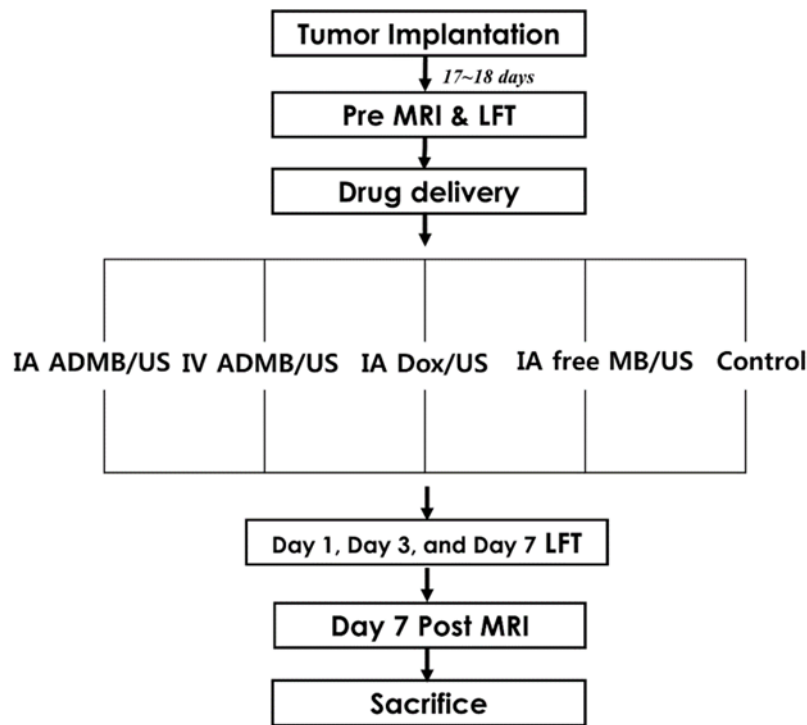


Figure S1. Study design of the VX2 rabbit liver tumor treatment protocol.

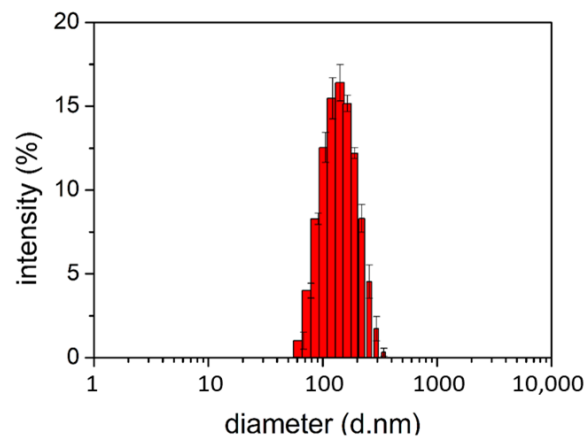


Figure S2. Size distribution of albumin-doxorubicin nanoparticle in DMEM containing 10% fetal bovine serum and 1% antibiotics after 1 day.

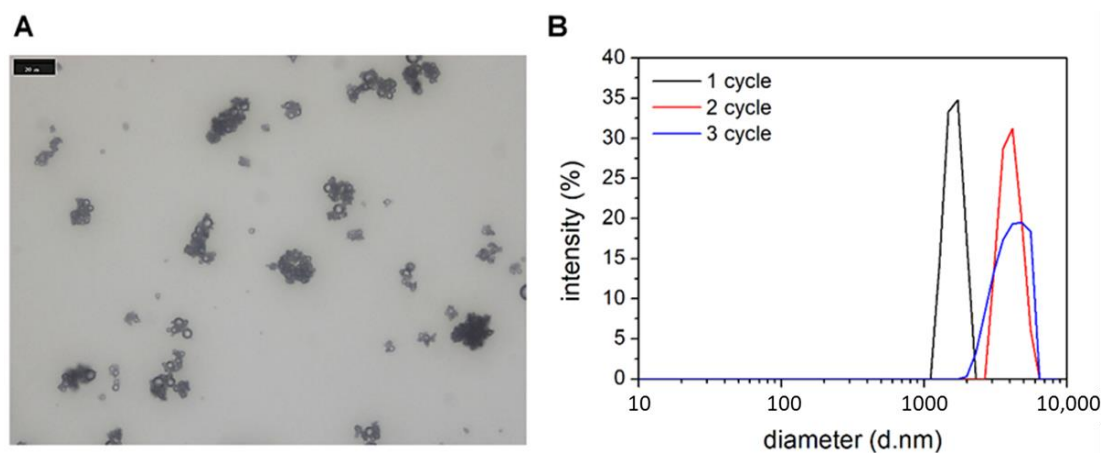


Figure S3. Heterogenous ADMBs. (A) optical image and (B) size distribution. (scale bar: 10 μm).

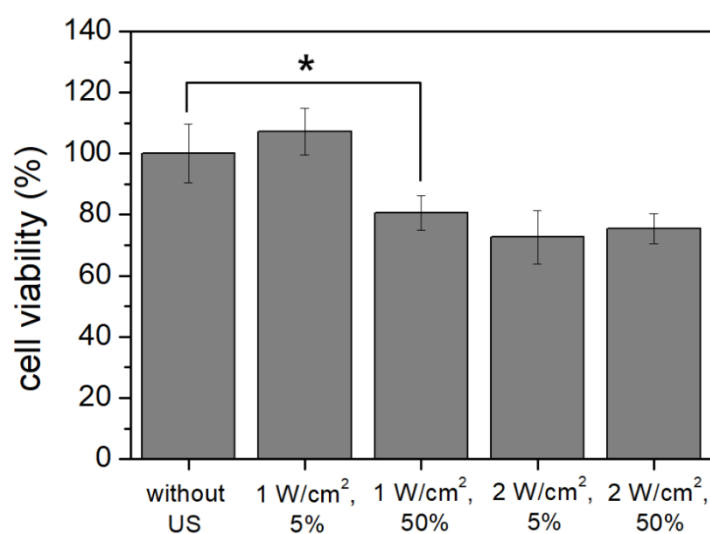


Figure S4. Cell viability under the various conditions of ultrasound exposure and microbubble. ultrasound exposure with 1W/cm² and duty 5% is only non-toxic condition. Other ultrasound conditions decreased cell viability. (* *p* < 0.05)

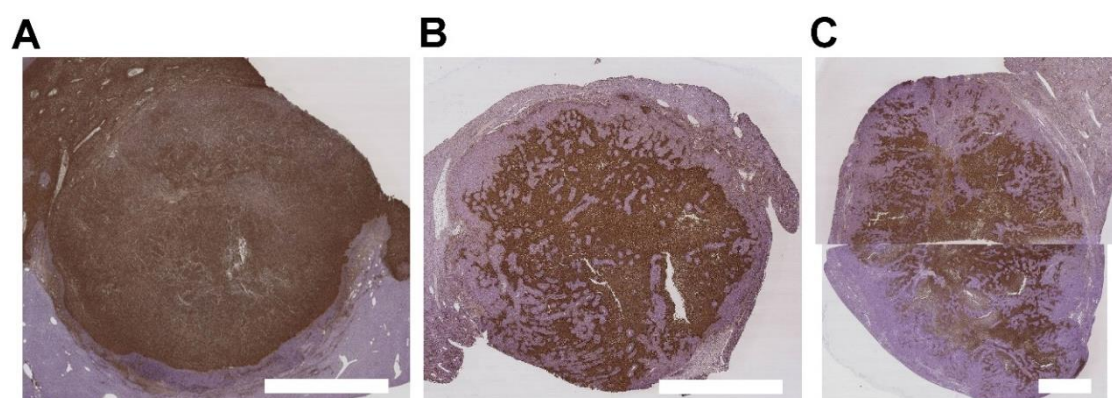


Figure S5. TUNEL assay staining images of tumor region in (A) IA-ADMBs, (B) IV-ADMBs (C) blend microbubble. (Scale bar: 5 mm).