

A preliminary investigation of radiation-sensitive ultrasound contrast agents for photon dosimetry

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Supplementary material

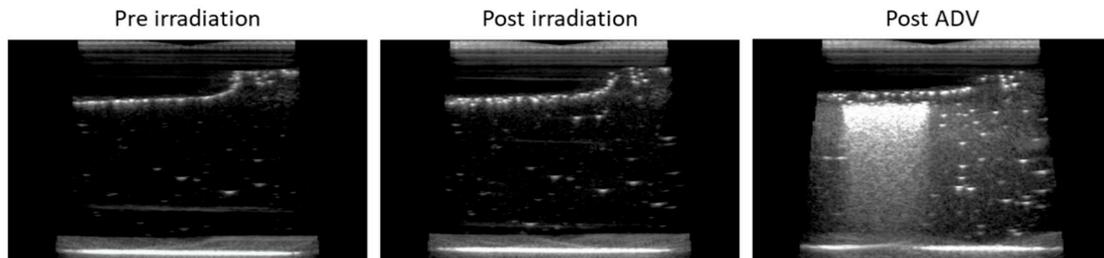


Figure S1. Ultrasound contrast generation of PVA-PFB nanodroplets after a radiation and acoustic stimulus. Gelatine phantom containing 25 μM of PVA-PFB nanodroplets before (left) and after (middle) irradiation with 10 Gy photons at 2 Gy/min, and after subsequent acoustic droplet vaporization (ADV, right).

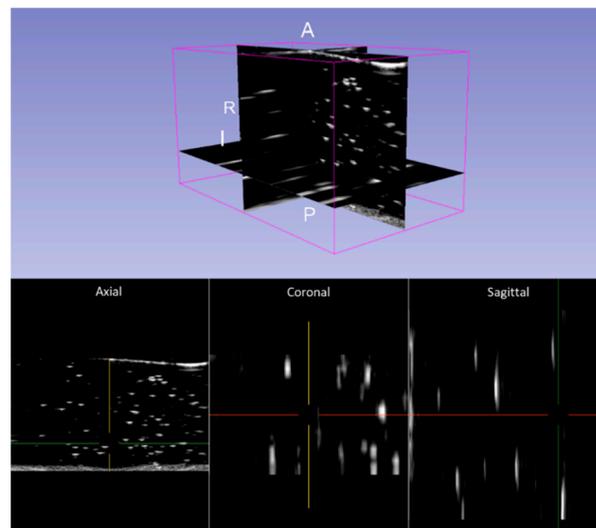


Figure S2. Offline stacking of 2D ultrasound images into a 3D dataset using ImageJ and 3D slicer.