

Supplementary Material

Table S1 Raw data of PARP cleavage after SDT related to Figure 2

PARP/ β -Actin				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.500	0.267	0.279	0.600
Ala + US	1.230	0.870	1.350	0.760
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.199	0.230	0.320	0.225
Ala + US	0.680	0.776	0.990	1.450
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.567	0.360	0.278	0.230
Ala + US	1.200	0.450	0.678	0.543

Table S2 Raw data of *CASP3* mRNA expression after SDT related to Figure 2

<i>CASP 3</i> (normalized fold expression)				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.980	1.011	0.990	1.099
Ala + US	1.870	2.760	1.760	1.850
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.060	0.987	1.120	0.980
Ala + US	2.098	1.987	1.834	1.678
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.087	1.090	0.987	0.870
Ala + US	1.090	2.987	1.911	2.700

Table S3 Raw data of *TP53* mRNA expression after SDT related to Figure 3

<i>TP53</i> (normalized fold expression)				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.880	1.230	0.870	0.876
Ala + US	1.170	1.120	1.370	1.266
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.870	1.100	0.988	0.865
Ala + US	1.230	0.987	1.450	1.780
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.130	0.780	0.567	0.890
Ala + US	1.333	1.499	1.490	0.899

Table S4 Raw data of Ki67 protein expression after SDT related to Figure 3

Ki67 (% of positive cells)				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	17.890	12.990	14.799	13.449
Ala + US	4.890	7.670	6.520	6.234
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	13.950	11.570	9.590	17.990
Ala + US	6.780	5.150	4.600	5.780
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	8.900	12.580	11.970	9.976
Ala + US	4.660	5.290	6.450	3.980

Table S5 Raw data of *HIF-1 α* mRNA expression after SDT related to Figure 4

<i>HIF1-α</i> (normalized fold expression)				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.980	1.230	1.120	0.786
Ala + US	0.516	0.370	0.171	0.312
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.999	1.112	1.340	0.777
Ala + US	0.333	0.307	0.416	0.208
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.887	1.123	0.998	0.667
Ala + US	0.340	0.207	0.105	0.330

Table S6 VEGF protein expression after SDT related to Figure 4

VEGF (C-1)/ β -Actin				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.700	0.900	0.800	0.770
Ala + US	1.400	1.480	1.350	1.602
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.112	1.191	1.100	0.780
Ala + US	1.270	1.211	1.588	1.270
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.300	1.400	0.991	1.119
Ala + US	1.357	1.649	1.664	1.501

Table S7 Raw data of *NFE2L2* mRNA expression after SDT related to Figure 5

<i>NFE2L2</i> (normalized fold expression)				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.870	0.987	1.130	0.695
Ala + US	2.745	1.670	2.030	1.876
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.220	0.983	0.699	1.149
Ala + US	1.983	1.335	1.786	2.650
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.933	0.893	0.989	1.233
Ala + US	2.699	1.568	1.399	2.176

Table S8 Raw data of *NQO1* mRNA expression after SDT related to Figure 5

<i>NQO1</i> (normalized fold expression)				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.150	0.860	0.954	1.100
Ala + US	0.580	0.450	0.339	0.277
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.230	0.876	0.987	0.543
Ala + US	0.230	0.695	0.233	0.489
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1,098	1,357	0,997	0,854
Ala + US	0.490	0.279	0.330	0.399

Table S9 Raw data of LC3 A/B protein expression after SDT related to Figure 6

LC3 A/B/ β -Actin				
Experiment 1	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.289	0.460	0.344	0.163
Ala + US	2.485	2.601	2.980	2.098
Experiment 2	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	0.648	0.563	0.448	0.555
Ala + US	2.178	2.250	2.147	2.493
Experiment 3	Animal 1	Animal 2	Animal 3	Animal 4
Ctrl	1.136	1.034	1.549	1.559
Ala + US	2.586	3.687	3.175	2.765