

Table 1. Histological Data

	HCT116	HT29	units	p value
CD31, avg dist	82.3±3.0	40.5±1.5	µm	0.0079**
PF, carbo	47.8±5.4	36.0±2.1	%	0.111
Carbo+ve CD31, avg dist	137±13	95.0±11.5	µm	0.111
PF, HPG-GdF	19.9±2.0	23.4±1.2	%	0.309
HPG-GdF+ve CD31, avg dist	172±10	88.9±6.3	µm	0.0079**
HPG avg intensity	0.405±0.031	0.828±0.123	AU	0.0079**
Necrosis Fraction	52.4±3.6	37.7±5.1	%	0.0317*

Avg dist = average distance of tumour tissue to nearest indicated vessel; PF = perfused fraction; AU= arbitrary units; Carbo = carbocyanine, fluorescent dye whose presence overlapped with CD31 indicates perfusion / patency of vessel

Table 2. MRI Gadovist data

	HCT116	HT29	units	p value
IAUGC(1min)	5.09±0.83	7.68±1.66	mM•sec	0.309
AUGC(37min)	317±23	395±70	mM•sec	0.556
V _p	9.92±1.87 E-03	9.03±3.27 E-03	0<V _p <100%	0.416
V _e	0.247±0.024	0.246±0.013	0<V _e <100%	0.771
K ^{trans}	8.41±1.56E-04	1.16±0.039E-03	min ⁻¹	>0.999
R ² (p75)	0.892±.017	0.913±.018		0.305
BAT	69.5±4.2	62.7±2.3	seconds	0.310
BAT-EV	98.9±0.6	99.2±0.5	%	0.634

AUC (area under curve); V_p (Tofts; fractional volume of blood plasma in tissue); V_e (Tofts; fractional volume of extravascular extracellular space); K^{trans} (Tofts; transfer constant); R² (Tofts goodness of fit)(p75 = mean for 75th percentile); BAT (bolus arrival time); BAT-EV (BAT enhancing voxels)

Table 3. MRI HPG-GdF data

	HCT116	HT29	units	p value
IAUGC(1min)	6.41±1.71 E-03	9.62±1.64E-03	mM•sec	0.151
AUGC(37min)	0.384±0.097	0.532±0.050	mM•sec	0.310
BAT	83.3±5.0	83.6±7.0	seconds	0.532
BAT-EV	52.2±4.8	81.8±5.0	%	0.0159*
fPV	2.67±0.33E-04	2.16±0.27E-04	relative	0.222
EA	2.38±1.00E-08	5.81±1.4E-08	AU	0.056*

AUC (area under curve); V_p (Tofts; fractional volume of blood plasma in tissue); V_e (Tofts; fractional volume of extravascular extracellular space); K^{trans} (Tofts; transfer constant); R² (Tofts goodness of fit); BAT (bolus arrival time); BAT-EV (BAT enhancing voxels); fPV (fractional plasma volume); EA (extravascular accumulation)