

Table supplement 1a: Descriptive statistics of the mean value and its standard deviation as well as the median values prior and after chemotherapy for all parameters of the FDG kinetics in all patients (n=31).

Parameter	Median prior	Mean prior	SD prior	Median after	Mean after	SD after
k1	0.480	0.527	0.299	0.403	0.441	0.316
k2	0.581	0.600	0.292	0.620	0.584	0.257
k3	0.061	0.075	0.103	0.048	0.063	0.050
k4	0.013	0.037	0.082	0.030	0.035	0.030
Influx	0.038	0.059	0.061	0.033	0.043	0.042
VB	0.119	0.160	0.177	0.103	0.152	0.178
FD	1.281	1.266	0.109	1.221	1.194	0.141
mean SUV	3.547	4.622	2.778	2.095	2.834	2.058

\*The unit of k1-k4 and influx is 1/min. VB and SUV are relative measures. FD is an absolute value (range: 0-2) for the given parameters.

Table supplement 1b: Descriptive statistics of the mean value and its standard deviation as well as the median values prior and after chemotherapy for all parameters of the FDG kinetics with respect to response (n=12) and non-response (n=13).

Study	Parameter	Resp.	Resp.	Resp.	Non-	Non-	Non-	Probability (p<0.1)
		s	median	mean	SD	Resp.	median	mean
prior	k1	0.478	0.522	0.326	0.599	0.621	0.297	0.3270
	k2	0.581	0.560	0.248	0.699	0.611	0.303	0.6635
	k3	0.025	0.060	0.061	0.064	0.095	0.156	0.8704
	k4	0.008	0.045	0.091	0.012	0.042	0.104	0.9339
	VB	0.099	0.115	0.106	0.088	0.169	0.253	0.7442
	FD	1.248	1.240	1.132	1.313	1.313	0.076	0.1278
	mean SUV	3.015	3.918	2.575	4.756	5.481	3.135	0.1419
	influx	0.027	0.054	0.066	0.038	0.056	0.059	0.7856
after	k1	0.366	0.358	0.274	0.760	0.592	0.345	<b>0.0735*</b>
	k2	0.661	0.595	0.263	0.627	0.629	0.216	1.0000
	k3	0.074	0.077	0.048	0.039	0.056	0.055	0.2253
	k4	0.051	0.051	0.032	0.017	0.028	0.028	<b>0.0734*</b>
	VB	0.077	0.102	0.092	0.095	0.134	0.154	0.6033
	FD	1.181	1.159	1.129	1.246	1.242	0.109	<b>0.0941*</b>
	mean SUV	2.048	2.472	1.856	2.853	3.468	2.185	0.1333
	influx	0.031	0.055	0.062	0.032	0.033	0.017	0.7728

\*The unit of k1-k4 and influx is 1/min. VB and SUV are relative measures. FD is an absolute value (range: 0-2) for the given parameters.