

Supplemental online Table 1: Univariate (n = 113) and multivariate (n = 105) analyses for factors associated with time to progression in the whole population.

	Univariate HR	IC 95%	p	Harrell's C	Multivariate HR	IC 95%	p	Bootstrapping 95% CI and p-value
Treatment								
antiangiogenic	1							
cytokine	2.27	[1.47-3.50]	<0.0001	0.5937				
MSKCC group								
1	1				1			
2	1.44	[0.92-2.27]			1.88	[1.16-3.05]	0.010	[1.03-3.33] 0.030
3	3.06	[1.39-6.73]	0.0168	0.5800	2.42	[1.07-5.49]	0.035	[0.72-8.12] 0.153
LDH								
< 1.5 ULN	1							
> 1.5 ULN	1.98	[1.16-3.40]	0.0130	0.5488				
Hemoglobin								
> LLN	1							
< LLN	1.87	[1.11-3.13]	0.0180	0.5455				
BMI								
<25	1							
25-30	1.47	[0.88-2.54]						
>30	1.51	[0.88-2.59]	0.249	0.525				
Interaction BMI x Treatment			0.0005	0.6452				
Cyto x BMI <25	1							
Cyto x BMI 25-30	0.62	[0.31-1.24]	0.471					
Cyto x BMI >30	0.77	[0.38-1.58]	0.510					
AA x BMI <25	0.19	[0.09-0.38]	<0.0001					
AA x BMI 25-30	0.61	[0.32-1.20]	0.120					
AA x BMI >30	0.58	[0.29-1.17]	0.184					
SFA								
≤ 17996	1							
> 17996	1.15	[0.74-1.80]	0.5270	0.4956				
Interaction SFA x Treatment			0.0002	0.6308				
Cyto x SFA ≤ 17996	1							
Cyto x SFA > 17996	0.57	[0.31-1.05]	0.07					
AA x SFA ≤ 17996	0.23	[0.12-0.45]	<0.0001					
AA x SFA > 17996	0.50	[0.28-0.90]	0.0210					
VFA								
≤13349	1							
>13349	1.77	[1.13-2.77]	0.0130	0.5768				
Interaction VFA x Treatment			0.0002	0.6392			0.0005	[1.18-10.55] 0.024
Cyto & VFA ≤ 13349	1				1			
Cyto & VFA > 13349	0.88	[0.48-1.58]	0.66		1.03	[0.56-1.90]	0.914	[0.48-2.24] 0.932
AA & VFA ≤ 13349	0.24	[0.12-0.47]	<0.0001		0.25	[0.12-0.49]	<0.001	[0.11-0.54] 0.001
AA & VFA > 13349	0.79	[0.44-1.42]	0.4220		0.90	[0.49-1.64]	0.727	[0.40-2.54] 0.797
Harrell's C-statistic								0.6921
AIC								602,42
Cyto = cytokines, AA= antiangiogenic agents								

Supplemental online Table 2: Univariate (n=113) and Multivariate (n=105) analyses for factors associated with overall survival in the whole population.

	Univariate HR	IC 95%	p	Harrell's C	Multivariate HR	IC 95%	p	Bootstrapping 95% CI and p value
Nephrectomy								
Yes	1							
No	3.12	[1.72-5.64]	<0.0001	0.588				
Karnofski (%)								
≥ 80	1							
< 80	2.67	[1.49-4.79]	0.001	0.591				
LDH								
< 1.5 ULN	1							
≥ 1.5 ULN	1.80	[0.98-3.30]	0.05	0.547				
Hemoglobin								
≥ LLN	1							
< LLN	1.95	[1.12-3.39]	0.018	0.565				
Serum corrected calcium								
≤ ULN	1							
> ULN	2.08	[1.23-3.54]	0.007	0.579				
Platelets								
< ULN	1							
≥ ULN	2.25	[1.25-4.06]	0.007	0.564				
CRP								
< 50 mg/L	1							
≥ 50 mg/L	1.79	[1.05-3.06]	0.032	0.573				
Metastatic sites								
1	1				1			
> 1	1.72	[1.02-2.91]	0.041	0.547	2.29	[1.25-4.212]	0.008	[1.07-4.89] 0.032
Antiangiogenic at progression								
Yes	1				1			
No	1.75	[2.86-1.07]	0.024	0.592	1.92	[1.09-3.36]	0.023	[0.86-4.25] 0.110
MSKCC group								
1	1				1			
2	1.95	[1.17-3.26]			4.23	[1.67-10.27]	0.002	[0.72-24.94] 0.111
3	7.17	[3.12-16.5]	<0.0001	0.652	2.39	[1.36-4.19]	0.003	[1.23-4.63] 0.010
BMI								
<25	1							
25-30	1.50							
>30	1.10	[0.81-2.09]	0.346	0.542				
Interaction BMI x Treatment			0.140	0.6124				
Cyto x BMI <25	1							
Cyto x BMI 25-30	0.83	[0.39-1.79]	0.254					
Cyto x BMI > 30	0.64	[0.29-1.37]	0.3180					
AA x BMI <25	0.39	[0.18-0.86]	0.0190					
AA x BMI 25-30	1.23	[0.59-2.56]	0.6201					
AA x BMI >30	0.90	[0.40-2.11]	0.6990					
SFA								
≤ 17996	1							
> 17996	1.07	[0.65-1.76]	0.7860	0.5177				
Interaction SFA x Treatment			0.1092	0.5916				
Cyto x SFA ≤ 17996	1							
Cyto x SFA > 17996	0.62	[0.32-1.22]	0.1660					
AA x SFA ≤ 17996	0.44	[0.21-0.93]	0.0320					
AA x SFA > 17996	0.95	[0.50-1.82]	0.8780					
VFA								
≤13349	1							
>13349	1.46	[0.88-2.40]	0.1400	0.5825				
Interaction VFA x Treatment			0.0113	0.647			0.0168	[1.73-35.24] 0.008
Cyto x VFA ≤ 13349	1				1			
Cyto x VFA > 13349	0.71	[0.37-1.37]	0.3030		0.65	[0.32-1.308]	0.228	[0.24-1.73] 0.388
AA x VFA ≤ 13349	0.36	[0.16-0.79]	0.0110		0.25	[0.11-0.603]	0.002	[0.10-0.67] 0.005
AA x VFA > 13349	1.32	[0.69-2.53]	0.4070		1.29	[0.64-2.591]	0.475	[0.53-3.13] 0.574
Harrell's C-statistic								0.7643
AIC								460.86

Supplemental online Table 3: *Univariate analysis for factors associated with overall survival in the cytokine group*

	HR	IC 95%	<i>p</i>	Harrell's <i>C</i>
Nephrectomy				
Yes	1			
No	2.33	[1.03-5.27]	0.043	0.545
Karnofski (%)				
≥ 80	1			
< 80	3.03	[1.15-7.98]	0.024	0.553
LDH				
< 1.5 ULN	1			
≥ 1.5 ULN	2.66	[1.15-6.18]	0.023	0.564
Serum corrected calcium				
≤ULN	1			
> ULN	2.03	[1.01-4.36]	0.048	0.539
Platelets				
< ULN	1			
≥ ULN	2.81	[1.30-6.07]	0.009	0.579
Metastatic sites				
1	1			
> 1	2.80	[1.43-5.48]	0.003	0.628
Antiangiogenic at progression				
Yes	1			
No	4.76	[2.08-11.11]	<0.0001	0.661
MSKCC group				
1	1			
2	1.95	[1.17-3.26]		
3	7.17	[3.12-16.5]	<0.0001	0.626