

Appendix Tables

Table 1a: Exponential survival mode, multivariate study

	Chi-square	df	P
Age	1.71	1.00	0.19
Stage	54.22	2.00	0.005
Site	0	1.00	0.94
Vascular invasion	1.86	1.00	0.17
Total	63.19	5.00	0.005

df, degree of freedom

Table 1b: Coefficient estimates

	Coefficient estimates	Standard error
Intercept	3.2477	0.4716
Age	-0.0098	0.0075
Stage=Regional	-0.3019	0.2942
Stage=Distant	-1.646	0.2472
Site=Rectum	0.0156	0.2242
Vascular Invasion=Yes	-0.3211	0.2354

Table 2: Marginal structural model testing metastasis location and timing had an effect on survival

	N	Alive (N=173)	Dead (N=115)
Stage: localized	403	54% (91)	25% (27)
Regional	54.22	35% (58)	22% (24)
Distant	0	11% (18)	54% (59)
Developed metastasis: No	421	82% (142)	36% (41)
Developed metastasis: Yes	63.19	18% (31)	64% (74)

Table 3: Exponential survival model adjusted for metastasis location

	Chi square	df	P
Metastasis location	17.62	2.00	0.005
Total	17.62	2.00	0.005
Metastasis timing	11.89	1.00	0.005
Total	11.89	1.00	0.005

df: Degree of freedom