

## Additional file 1 - Check of proportional hazards for the manuscript's models of Tables 3-4

Figures are rho-values, correlation between residuals and survival time. Rho-values close to 0 indicate less departure from proportional hazards, whereas 1 is the theoretical maximum departure.

Variable	Model 3	Model 4-A	Model 4-B
<b>Demographics</b>			
SEER area			
Central registries	-0.009	–	–
Western registries	-0.013	–	–
Age at diagnosis	-0.093 **	–	–
Year of diagnosis	0.014	0.004	-0.009
African-American	0.009	0.103 *	0.099
Marital status (married)	0.059 **	–	–
<b>Pathology</b>			
Histology			
SCC microinvasive	0.018	0.053	0.072
Carcinoma NOS	-0.066 **	0.096	0.062
Adeno. excl. muc.	0.018	0.148 **	0.144 **
Adenosquamous	-0.007	0.045	0.060
Mucinous	0.026 *	0.090	0.064
Small cell	-0.021	-0.006	-0.013
High grade	0.009	-0.089	-0.105 *
Log tumor size	–	-0.118 *	–
Log odds nodal involvement	–	0.026	–
<b>Stage</b>			
Localized	0.119 **	–	-0.098
Stage II	–	-0.006	–
Stage III	–	0.100 *	–
Stage IV	–	0.023	–
<b>Treatments-interactions</b>			
Hysterectomy (HRT)	0.121 **	0.121 *	0.212 **
Radiotherapy (RT)	0.178 **	–	–
HRT * RT	-0.076 **	–	–
High grade * RT	-0.026 *	–	–
Localized * HRT	-0.056 **	–	–
Localized * RT	-0.069 **	–	–
Localized * HRT * RT	0.031 **	–	–

\*  $P \leq 0.05$ ; \*\*  $P \leq 0.01$ ; – variable not in model.