

## **Additional file 8**

**Table S8.** Multivariate Analysis for Lung Dose-volume Parameters and Overall Survival under Consideration of Different Heart Parameters

Lung	Mean heart dose	Heart V5	Heart V10	Heart V20	Heart V30	Heart V40	Heart V50
HR (95% CI) P value							
Mean dose	1.001 (1.000-1.002)	1.001 (1.000-1.002)	1.001 (1.000-1.002)	1.001 (1.000-1.002)	1.001 (1.000-1.002)	1.001 (1.000-1.002)	1.001 (1.000-1.002)
	0.017	0.024	0.021	0.021	0.017	0.012	0.009
V5	1.017 (0.990-1.044)	1.015 (0.988-1.042)	1.015 (0.988-1.043)	1.015 (0.988-1.042)	1.016 (0.990-1.043)	1.018 (0.993-1.044)	1.020 (0.995-1.045)
	0.222	0.291	0.268	0.280	0.230	0.164	0.113
V10	1.017 (0.981-1.055)	1.016 (0.979-1.055)	1.016 (0.979-1.055)	1.015 (0.978-1.053)	1.016 (0.980-1.054)	1.019 (0.984-1.056)	1.023 (0.988-1.058)
	0.354	0.406	0.398	0.436	0.389	0.286	0.199
V20	1.037 (0.984-1.092)	1.036 (0.982-1.092)	1.036 (0.983-1.092)	1.034 (0.980-1.090)	1.036 (0.983-1.091)	1.039 (0.988-1.093)	1.043 (0.993-1.096)
	0.171	0.195	0.191	0.221	0.189	0.138	0.095
V30	1.042 (0.980-1.107)	1.044 (0.980-1.111)	1.044 (0.981-1.110)	1.041 (0.979-1.107)	1.041 (0.980-1.107)	1.043 (0.982-1.107)	1.044 (0.984-1.107)
	0.190	0.180	0.178	0.198	0.191	0.172	0.157
V40	1.040 (0.970-1.115)	1.043 (0.971-1.120)	1.044 (0.972-1.121)	1.043 (0.973-1.119)	1.044 (0.974-1.118)	1.042 (0.973-1.116)	1.037 (0.967-1.111)
	0.273	0.249	0.236	0.236	0.226	0.235	0.306