

Supplement Table 1 Association between other clinicopathological risk factors and recurrence in the full analysis set and sensitivity analysis

Full analysis set (N=123)				
	Model 1	Model 2	Model 3	Model 4
<i>P</i> value				
Sex	0.683			
Age	0.087			
Histologic subtype				
Classic		0.476		
Extensive nodularity and desmoplastic/nodular		0.564		
Large cell/anaplastic		1.000 (ref.)		
Molecular subgroups				
WNT		1.000		
SHH		0.751		
Group3		0.110		
Group4		1.000 (ref.)		
Extent of resection				
Gross total resection			1.000 (ref.)	
Near-total resection			0.462	
Subtotal resection			0.853	
Disease stage				
M0			1.000 (ref.)	
M2			0.369	
M3			0.077	
Risk stratification				
Low risk				1.000 (ref.)
Standard risk				0.368
High risk				0.046

Very high risk	0.645			
Sensitivity analysis 1 (N=117)				
	Model 1	Model 2	Model 3	Model 4
<i>P</i> value				
Sex	0.715			
Age	0.089			
Histologic subtype				
Classic		0.480		
Extensive nodularity and desmoplastic/nodular		0.545		
Large cell/anaplastic		1.000 (ref.)		
Molecular subgroups				
WNT		1.000		
SHH		0.826		
Group3		0.138		
Group4		1.000 (ref.)		
Extent of resection				
Gross total resection			1.000 (ref.)	
Near-total resection			0.752	
Subtotal resection			0.581	
Disease stage				
M0			1.000 (ref.)	
M2			0.278	
M3			0.127	
Risk stratification				
Low risk				1.000 (ref.)
Standard risk				0.362
High risk				0.031
Very high risk				0.643

Sensitivity analysis 2 (N=109)				
	Model 1	Model 2	Model 3	Model 4
<i>P</i> value				
Sex	0.297			
Age	0.402			
Histologic subtype				
Classic		0.630		
Extensive nodularity and desmoplastic/nodular		0.390		
Large cell/anaplastic		1.000 (ref.)		
Molecular subgroups				
WNT		0.976		
SHH		0.838		
Group3		0.538		
Group4		1.000 (ref.)		
Extent of resection				
Gross total resection			1.000 (ref.)	
Near-total resection			0.296	
Subtotal resection			0.103	
Disease stage				
M0			1.000 (ref.)	
M2			0.058	
M3			0.016	
Risk stratification				
Low risk				1.000 (ref.)
Standard risk				0.356
High risk				0.027
Very high risk				0.807

Sensitivity analysis 3 (N=113)				
	Model 1	Model 2	Model 3	Model 4
<i>P</i> value				
Sex	0.671			
Age	0.087			
Histologic subtype				
Classic		0.466		
Extensive nodularity and desmoplastic/nodular		0.538		
Large cell/anaplastic		1.000 (ref.)		
Molecular subgroups				
WNT		1.000		
SHH		0.757		
Group3		0.113		
Group4		1.000 (ref.)		
Extent of resection				
Gross total resection			1.000 (ref.)	
Near-total resection			0.424	
Subtotal resection			0.362	
Disease stage				
M0			1.000 (ref.)	
M2			0.479	
M3			0.127	
Risk stratification				
Low risk				1.000 (ref.)
Standard risk				0.388
High risk				0.036
Very high risk				0.634

Sensitivity analysis 1 included individuals with a survival of more than one year.

Sensitivity analysis 2 included patients without imputed data. Sensitivity analysis 3 excluded patients lost to follow-up.

Model 1 was adjusted for sex and age. Model 2 was adjusted for histologic subtypes (classic, nodular/desmoplastic or extensive nodularity, and large cell/anaplastic) and molecular subgroups (WNT, SHH, Group3, and Group4). Model 3 was adjusted for extent of resection (gross total resection, near-total resection, and subtotal resection) and disease stage (M0-M4). Model 4 was only adjusted for risk stratification (low risk, standard risk, high risk, and very high risk).

P values were calculated by Cox proportional hazards models.