

**Table 3**

Univariate analysis for OS and CSS in training cohort

Category	Overall survival	icer-specific surv
	P (Log-rank test)	P (grey's test)
<b>Age(year)</b>		
<44 vs. 44-67	<0.001	<0.001
<44 vs. >67	<0.001	<0.001
<b>Year at diagnosis</b>		
2004-2009 vs. 2010-2015	0.023	0.076
<b>Marital status</b>		
Married vs. Single	0.009	0.012
Married vs. Other	<0.001	0.031
<b>Race</b>		
White vs. Black	0.025	0.034
White vs. Other <sup>†</sup>	0.549	0.264
<b>Grade<sup>2</sup></b>		
Low vs. High	<0.001	<0.001
<b>Stage</b>		
I vs II	<0.001	<0.001
I vs III	<0.001	<0.001
I vs IV	<0.001	<0.001
<b>Tumor size</b>		
<2 cm vs. 2-4 cm	<0.001	<0.001
<2 cm vs. >4 cm	<0.001	<0.001
<b>Metastasis</b>		
Absent vs. Present	<0.001	<0.001
<b>Surgery</b>		
Performed vs. None	<0.001	<0.001
<b>Radiotherapy</b>		
No	<0.001	<0.001
<b>Chemotherapy</b>		
Yes vs. No	0.034	<0.001

<sup>†</sup>American Indian/Alaskan Native, Asian/Pacific Islander<sup>‡</sup>Low: Grade I (well differentiated) and Grade II (moderately differentiated); High: Grade III (poorly differentiated) and Grade IV (undifferentiated anaplastic).