

**Supplementary Table 1.** Univariate Analysis for Predictors of HCC Recurrence at Each Time Point

Variable (rating)	At the time of resection or RFA		At 1 year after resection or RFA		At 2 years after resection or RFA		At 3 years after resection or RFA		At 4 years after resection or RFA		At 5 years after resection or RFA	
	HR [95% CI]	p-value	HR [95% CI]	p-value	HR [95% CI]	p-value	HR [95% CI]	p-value	HR [95% CI]	p-value	HR [95% CI]	p-value
Age (years)	1.012 (1.004-1.019)	0.002	1.014 (1.005-1.023)	0.002	1.017 (1.005-1.029)	0.006	1.024 (1.008-1.041)	0.004	1.026 (1.004-1.049)	0.021	1.037 (1.005-1.071)	0.025
Gender (0=female; 1=male)	1.035 (0.867-1.236)	0.701	1.088 (0.878-1.348)	0.440	0.943 (0.720-1.236)	0.672	0.862 (0.605-1.228)	0.412	0.793 (0.503-1.251)	0.319	0.786 (0.411-1.503)	0.467
Etiology (1=HBV; 2=other)	1.218 (1.021-1.453)	0.028	1.247 (1.007-1.544)	0.043	1.275 (0.956-1.700)	0.099	1.325 (0.893-1.964)	0.162	1.476 (0.880-2.477)	0.140	1.721 (0.826-3.583)	0.147
Liver cirrhosis (0=no; 1=yes)	2.579 (2.160-3.079)	<0.001	3.077 (2.474-3.827)	<0.001	3.728 (2.775-5.010)	<0.001	4.056 (2.737-6.012)	<0.001	3.516 (2.157-5.732)	<0.001	4.373 (2.102-9.098)	<0.001
Type of treatment (1=resection; 2=RFA)	2.123 (1.827-2.467)	<0.001	2.465 (2.060-2.949)	<0.001	2.633 (2.079-3.334)	<0.001	2.866 (2.090-3.929)	<0.001	2.463 (1.616-3.756)	<0.001	2.327 (1.268-4.271)	0.006
No. of tumors (1=single; 2=multiple)	1.744 (1.468-2.072)	<0.001	1.654 (1.318-2.076)	<0.001	1.878 (1.403-2.514)	<0.001	1.882 (1.245-2.845)	0.003	1.631 (0.880-3.021)	0.120	1.295 (0.479-3.504)	0.611
Size of maximal tumor (1= $\leq$ 3 cm; 2= $>$ 3 cm)	1.011 (0.970-1.055)	0.599	0.965 (0.912-1.020)	0.206	0.905 (0.835-0.982)	0.017	0.835 (0.741-0.941)	0.003	0.835 (0.715-0.976)	0.024	0.751 (0.584-0.965)	0.025
MELD score (score)	1.116 (1.088-1.145)	<0.001	1.188 (1.129-1.188)	<0.001	1.240 (1.154-1.333)	<0.001	1.207 (1.083-1.345)	0.001	1.049 (0.913-1.205)	0.502	1.190 (1.021-1.387)	0.026

HCC, hepatocellular carcinoma; RFA, radiofrequency ablation; HR, hazard ratio; CI, confidence interval; HBV, hepatitis B virus; MELD, Model for End-Stage Liver Disease.