

Supplementary Table 1. Identification of clinical parameters effective for survival discrimination based on UQCRH expression

Variables	Classification	<i>P-value*</i>	
		Overall survival	Recurrence-free survival
AFP	<20	0.539	0.754
	≥20	<0.001**	0.001
Tumor grade	I,	0.840	0.388
	II, III	0.008	0.010
Tumor size (cm)	<3	0.961	0.468
	≥3	0.010	0.136
Vascular invasion	no	0.031	0.116
	yes	0.106	0.200
Cirrhosis	no	0.155	0.436
	yes	0.052	0.050

*Significance determined by log-rank test.

** Bold indicates $p < 0.05$.

Supplementary Table 2. Effect of AFP levels in survival discrimination based on UQCRH expression

AFP	Distribution	<i>P-value*</i>	
		Overall survival	Recurrence-free survival
<20	42	0.539	0.754
≥20	54	<0.001**	0.001
<50	50	0.562	0.641
≥50	46	<0.001	<0.001
<100	60	0.296	0.994
≥100	36	<0.001	<0.001
<200	64	0.122	0.745
≥200	32	0.001	<0.001
<400	68	0.041	0.413
≥400	28	0.007	0.002

*Significance determined by log-rank test.

** Bold indicates $p < 0.05$.

Supplementary Table 3. Univariate analysis of UQCRH expression and clinicopathological parameters (n=96)

Factor***	Overall survival			Recurrence-free survival		
	HR**	95% CI***	P-value*	HR**	95% CI**	P-value*
Gender (F vs M)	0.641	0.301 ~ 1.365	0.249	0.569	0.299 ~ 1.082	0.086
Age (≥ 52 vs < 52)	1.084	0.622 ~ 1.886	0.777	1.277	0.801 ~ 2.036	0.304
AFP (≥ 20 vs < 20)	1.890	1.051 ~ 3.399	0.033 ****	1.273	0.798 ~ 2.030	0.311
AST (≥ 40 vs < 40)	1.673	0.941 ~ 2.974	0.080	1.186	0.747 ~ 1.884	0.469
ALT (≥ 35 vs < 35)	0.961	0.537 ~ 1.720	0.893	0.825	0.512 ~ 1.329	0.429
Child_P classification (B or C vs A)	2.211	0.989 ~ 4.945	0.053	1.607	0.732 ~ 3.528	0.237
Tumor size (≥ 3 vs < 3)	1.854	0.736 ~ 4.670	0.190	2.360	1.081 ~ 5.156	0.031
Tumor number (multiple vs solitary)	1.072	0.480 ~ 2.391	0.866	1.262	0.661 ~ 2.413	0.481
Tumor grade (II or III vs I)	2.962	0.922 ~ 9.517	0.068	0.798	0.419 ~ 1.522	0.494
TNM stage (III or IV vs I or II)	2.288	1.256 ~ 4.167	0.007	1.811	1.069 ~ 3.065	0.027
Macroscopic vascular invasion (yes vs no)	3.859	1.887 ~ 7.888	<0.001	2.967	1.535 ~ 5.734	0.001
Microscopic vascular invasion (yes vs no)	1.989	1.112 ~ 3.556	0.020	1.380	0.826 ~ 2.306	0.218
Capsule invasion (yes vs no)	2.504	1.416 ~ 4.427	0.002	1.656	1.041 ~ 2.634	0.033
Cirrhosis (yes vs no)	1.570	0.896 ~ 2.752	0.115	1.363	0.842 ~ 2.208	0.208
UQCRH expression (≥ 2.1 vs < 2.1)	2.189	1.25 ~ 3.834	0.006	1.673	1.054 ~ 2.655	0.029

*Significance determined by Univariate Cox regression analysis

HR, hazard ratio; *CI, confidence interval; **** Bold indicates $p < 0.05$.

Supplementary Table 4. Univariate analysis of UQCRH expression and clinicopathological parameters in patient subgroup (AFP \geq 20, n=54)

Variables	Overall survival			Recurrence-free survival		
	HR**	95% CI***	P-value*	HR**	95% CI***	P-value*
Gender (F vs M)	0.475	0.196 ~ 1.1547	0.100	1.491	0.792 ~ 2.807	0.216
Age (\geq 52 vs <52)	1.307	0.655 ~ 2.609	0.448	0.550	0.253 ~ 1.195	0.131
AST (\geq 40 vs <40)	1.201	0.558 ~ 2.585	0.640	1.265	0.630 ~ 2.541	0.508
ALT (\geq 35 vs <35)	0.667	0.323 ~ 1.378	0.274	0.693	0.357 ~ 1.345	0.278
Child_P classification (B or C vs A)	2.236	0.908 ~ 5.505	0.080	1.690	0.700 ~ 4.084	0.244
Tumor size (\geq 3 vs <3)	2.066	0.629 ~ 6.781	0.232	3.326	1.021 ~ 10.837	0.046 ****
Tumor number (multiple vs solitary)	0.427	0.102 ~ 1.794	0.245	0.865	0.306 ~ 2.447	0.785
Tumor grade (II or III vs I)	3.364	0.459 ~ 24.636	0.233	0.462	0.163 ~ 1.304	0.145
TNM stage (III or IV vs I or II)	1.405	0.651 ~ 3.032	0.387	1.554	0.768 ~ 3.144	0.220
Macroscopic vascular invasion (yes vs no)	5.135	2.141 ~ 12.315	<0.001	3.614	1.554 ~ 8.404	0.003
Microscopic vascular invasion (yes vs no)	1.753	0.832 ~ 3.693	0.140	1.443	0.723 ~ 2.878	0.298
Capsule invasion (yes vs no)	2.471	1.199 ~ 5.091	0.014	2.048	1.076 ~ 3.898	0.029
Cirrhosis (yes vs no)	0.854	0.402 ~ 1.815	0.682	0.947	0.484 ~ 1.852	0.873
UQCRH expression (\geq 2.1 vs <2.1)	3.419	1.659 ~ 7.046	0.001	2.801	1.462 ~ 5.367	0.002

*Significance determined by Univariate Cox regression analysis

HR, hazard ratio; *CI, confidence interval; **** Bold indicates $p < 0.05$.