Figure S1. The Nomogram for predicting overall survival (OS).
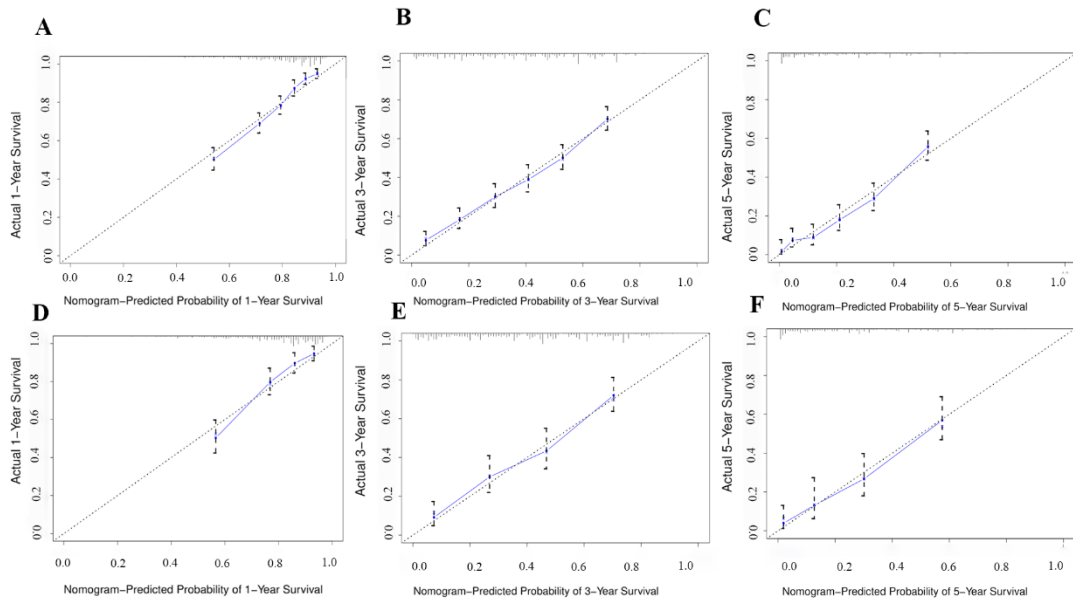

Figure S2: Calibration plots of the nomogram for 1-, 3-, and 5-year OS prediction in the training set (A–C) and validation set (D–F)
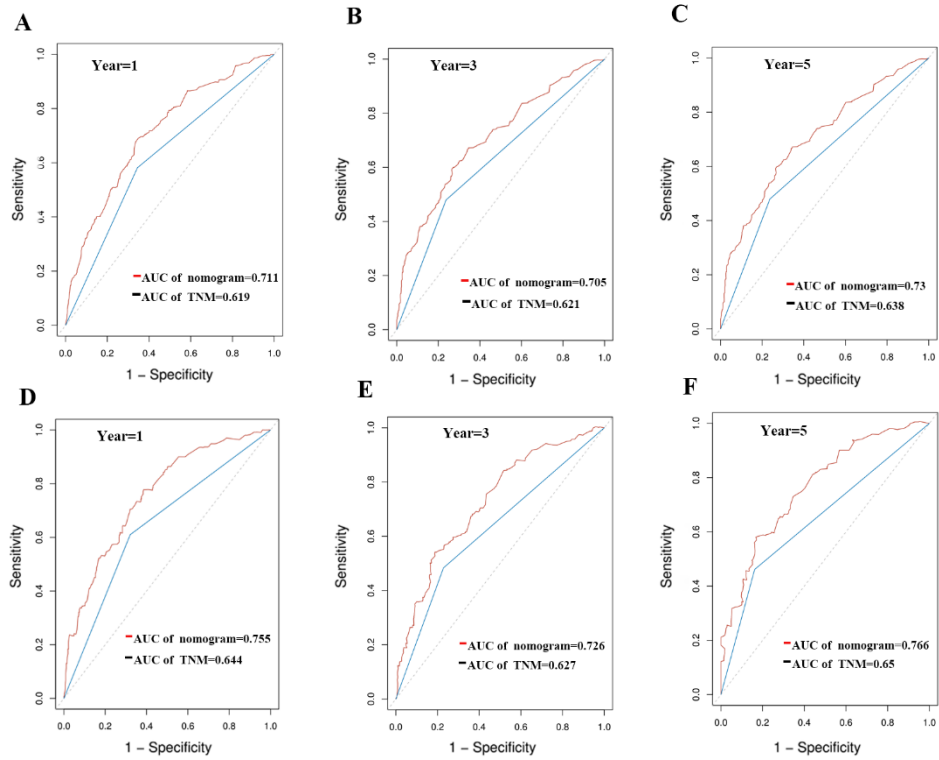
Figure S3: Comparison of the ROC curves of the nomogram and the TNM stage for 1-, 3-, and 5-year OS prediction in the training set (A–C) and validation set (D–F)

Table S1 Multivariable analyses of overall survival in the training cohort

Variable	Multivariate analysis		
	HR	95%CI	p value
Race			
black		Reference	
White	0.900	0.745-1.087	0.274
other	0.936	0.713-1.229	0.633
Sex			
female		Reference	
male	1.029	0.891-1.190	0.690
Primary site			
RCC		Reference	
LCC	0.592	0.495-0.709	<0.0001
RC	0.590	0.485-0.717	<0.0001
Histology			
Adenocarcinoma (Ad)		Reference	
Mucinous adenocarcinoma (Mu)	1.000	0.709-1.403	0.987
Other	1.441	0.911-2.278	0.118
Grade			
well+moderately (w+m)		Reference	

poorly+undifferentiated (p+u)	1.441	1.581-2.181	<0.0001
Stage_T			
T0-1		Reference	
T2	0.751	0.467-1.209	0.238
T3	0.792	0.609-1.029	0.081
T4	1.029	0.788-1.343	0.835
Stage_N			
N0		Reference	
N1	1.087	0.891-1.325	0.411
N2	1.430	1.151-1.777	0.001
Stage_M			
M1a		Reference	
M1b	1.513	1.270-1.803	<0.0001
Surgery (PTMR)			
Neither (none)		Reference	
primary+ metastatic (yes)	0.347	0.269-0.447	<0.0001
only primary	0.556	0.444-0.696	<0.0001
only metastatic	0.650	0.377-1.123	0.123
Extrahepatic metastasis(met)			
no		Reference	
yes	1.202	0.975-1.481	0.085
CEA			
positive		Reference	
negative	0.786	0.648-0.952	0.013