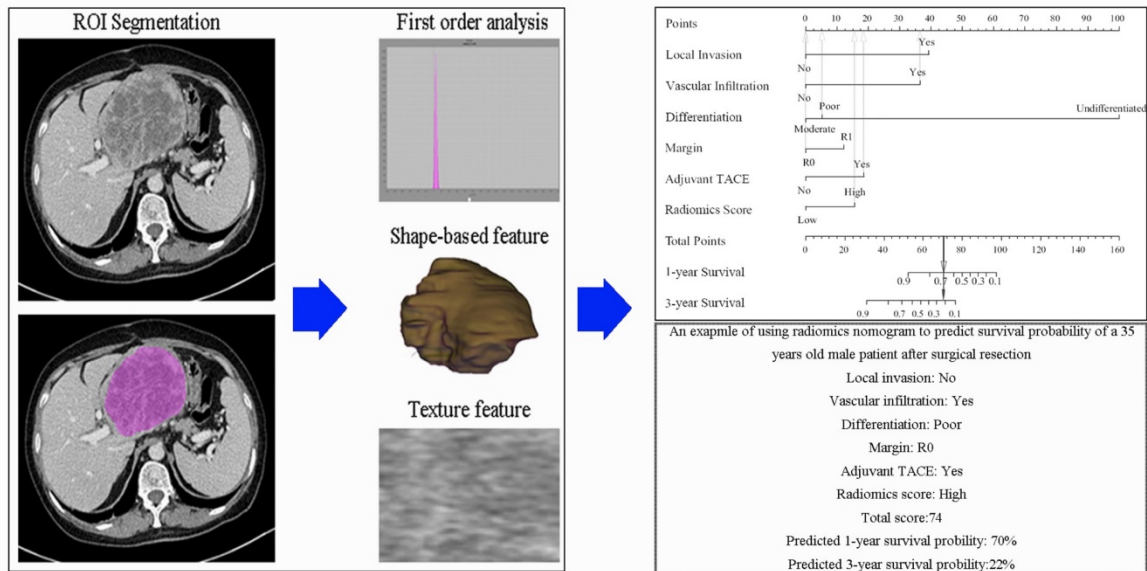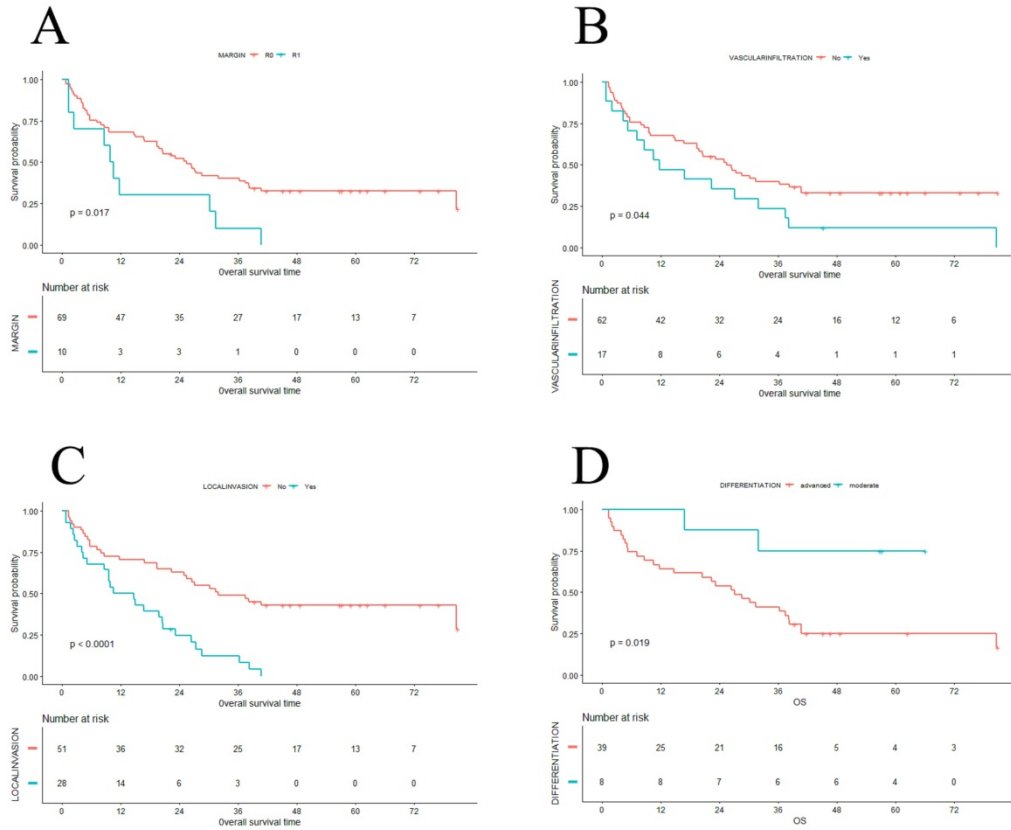**Supplement figure** 1. An example of using radiomics nomogram to predict survival probability of a 35 years old male patient after surgical resection. ROI: region of interest; TACE: transcatheter arterial chemoembolization.

Supplement figure 2. The survival curves stratified by surgical margin, vascular invasion, local invasion, and differentiation grade. A: survival curves stratified by surgical margin; B: survival curves stratified by vascular invasion; C: survival curves stratified by local invasion; D: survival curves stratified by differentiation grade.

Supplement table 1. The formulas for constructing the radiomics scoring models.

Model	Formula
radiomics score	-0.0001249365SHAPE_Sphericity+3.2096802376GLRLM_LGRE+2.5467404092GLRLM_SRLGE

Supplement table 2. Power analysis of the study.

High risk group/ Low risk group	value	High risk group/ Low risk group	value
Two-sided α	0.05	Two-sided α	0.05
1-year overall survival rate (**High risk group**)	0.306	3-year overall survival rate (**High risk group**)	0.056
1-year overall survival rate (**Low risk group**)	0.901	3-year overall survival rate (**Low risk group**)	0.624
Assuming hazard ratio	7.01	Assuming hazard ratio	2.5
Power	90%	Power	90%
Estimated patients number (**High risk group**)	3	Estimated patients number (**High risk group**)	7
Estimated patients number (**Low risk group**)	4	Estimated patients number (**Low risk group**)	8