

Figure S1. Serum bilirubin exerted no effects on the percentage of circulating EPCs and CPCs in patients. Percentage of (A) EPCs (CD34⁺VEGFR-2⁺) and (B) CPCs (CD34⁺CD133⁺) in the mononuclear cells of peripheral blood between high-TBIL and low-TBIL groups. Negative relationship between the percentage of (C) EPCs or (D) CPCs and the Ln of serum TBIL. Low total bilirubin, $\leq 21 \mu\text{mol/l}$; high total bilirubin, $>21 \mu\text{mol/l}$. TBIL, total bilirubin; EPCs, endothelial progenitor cells; CPCs, circulating progenitor cells; VEGFR-2, vascular endothelial growth factor 2; Ln, natural logarithm.

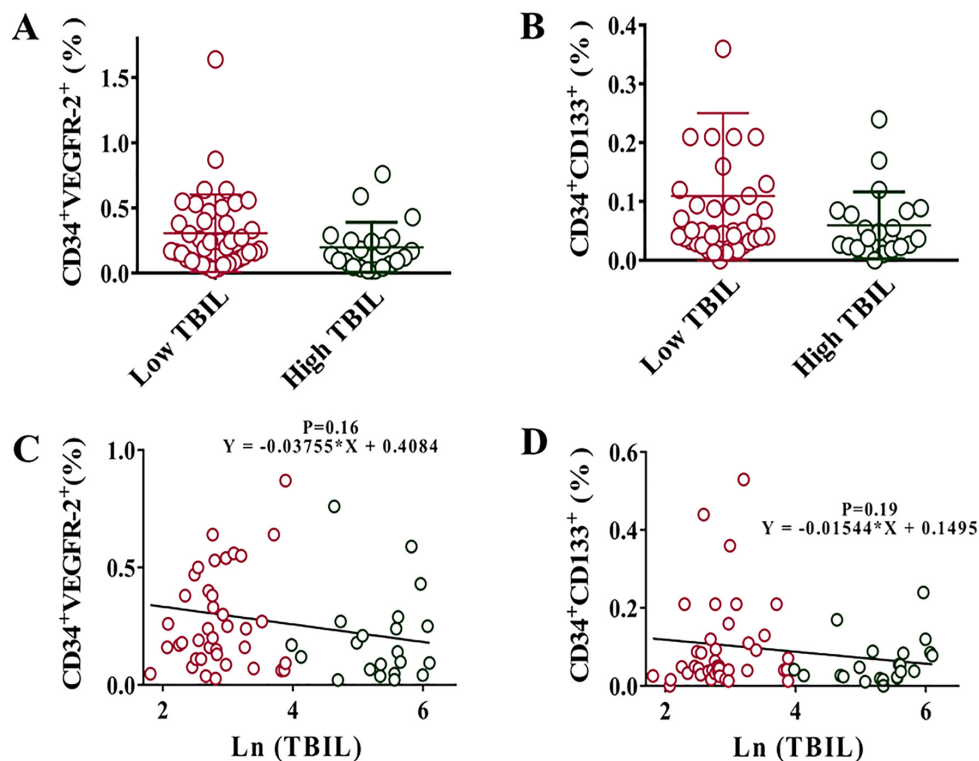


Table SI. VEGFR-2 TMA-IHC scores of tumor and adjacent tissues in different bile acid groups.

Bile acid level	VEGFR-2		Number	P-value
	Tumor	Adjacent		
Total	3.43±1.90	3.93±1.94	72	0.12
Low	3.50±1.85	3.50±1.77	30	0.77
High	3.38±1.96	4.53±1.80	42	0.044 ^a

^aP<0.05. Low bile acid, ≤10 μmol/l; High bile acid, >10 μmol/l. TMA-IHC, tissue microarrays for immunohistochemistry; VEGFR-2, vascular endothelial growth factor 2.

Table SII. CD34 TMA-IHC scores of tumor and adjacent tissues in different bile acid groups.

Bile acid level	CD34		Number	P-value
	Tumor	Adjacent		
Total	3.72±1.78	4.25±1.67	72	0.068
Low	3.46±2.03	3.95±1.66	30	0.89
High	3.90±1.57	4.67±1.86	42	0.020 ^a

^aP<0.05. Low bile acid, ≤10 μmol/l; High bile acid, >10 μmol/l.
TMA-IHC, tissue microarrays for immunohistochemistry.