

Table S1 Baseline characteristics comparison after PSM between the postoperative chemotherapy group and the non-chemotherapy group after surgery for combined hepatocellular-cholangiocarcinoma

Variable	Total (n=104)	Non-chemotherapy (n=52)	Chemotherapy (n=52)	P
Gender, Male, n (%)	71 (68.3)	36 (69.2)	35 (67.3)	0.83
Age (years), n (%)				0.22
≤50	11 (10.6)	4 (7.7)	7 (13.5)	
51–74	88 (84.6)	47 (90.4)	41 (78.8)	
≥75	5 (4.8)	1 (1.9)	4 (7.7)	
Race				0.77
White	61 (59.2)	31 (59.6)	30 (58.8)	
Black	11 (10.7)	6 (11.5)	5 (9.8)	
Hispanic	11 (10.7)	4 (7.7)	7 (13.7)	
Asian	20 (19.4)	11 (21.2)	9 (17.6)	
Marriage, n (%)				0.18
Unmarried	15 (15.0)	7 (14.0)	8 (16.0)	
Married	73 (73.0)	34 (68.0)	39 (78.0)	
Divorced/separated/widowed	12 (12.0)	9 (18.0)	3 (6.0)	
T Stage				0.83
T1	16 (15.4)	7 (13.5)	9 (17.3)	
T2	36 (34.6)	17 (32.7)	19 (36.5)	
T3	27 (26.0)	14 (26.9)	13 (25.0)	
T4	16 (15.4)	10 (19.2)	6 (11.5)	
N Stage				1.00
N0	60 (57.7)	30 (57.7)	30 (57.7)	
N1	6 (5.8)	3 (5.8)	3 (5.8)	
M Stage				0.90
M0	61 (58.7)	30 (57.7)	31 (59.6)	
M1	5 (4.8)	3 (5.8)	2 (3.8)	
Household income (dollar), n (%)				0.24
<55000	7 (6.7)	3 (5.8)	4 (7.7)	
55000–75000	27 (26.0)	10 (19.2)	17 (32.7)	
>75000	70 (67.3)	39 (75.0)	31 (59.6)	
Radiotherapy, n (%)	3 (2.9)	1 (1.9)	2 (3.8)	0.50

Table S2 Univariate and multivariate cox regression analyses of factors affecting overall patient survival after PSM

Variable	Univariate			Multivariate		
	P	HR	95% CI	P	HR	95% CI
Chemotherapy	0.91	1.029	0.625, 1.694	0.22	1.500	0.783, 2.873
Gender, vs. female						
Male	0.09	1.627	0.932, 2.840	0.23	1.693	0.717, 3.996
Age (years)						
≤50	0.21			0.42		
51-74	0.08	2.542	0.900, 7.181	0.32	1.731	0.582, 5.147
≥75	0.16	2.739	0.668, 11.237	0.93	0.924	0.177, 4.838
Race						
White	0.76					
Black	0.85	1.085	0.458, 2.572			
Hispanic	0.39	0.685	0.289, 1.622			
Hispanic	0.50	0.792	0.402, 1.561			
Marriage						
Unmarried	0.82					
Married	0.95	0.976	0.438, 2.174			
Divorced/separated/widowed	0.62	0.763	0.266, 2.191			
T Stage						
T1	<0.001			0.001		
T2	0.02	2.915	1.230, 6.905	0.12	2.081	0.833, 5.194
T3	<0.001	5.085	2.042, 12.663	0.001	6.636	2.189, 20.119
T4	<0.001	8.834	3.009, 25.939	0.002	7.095	2.052, 24.528
N Stage, vs. N0						
N1	0.44	1.446	0.572, 3.651	0.07	2.908	0.930, 9.094
M Stage, vs. M0						
M1	0.38	1.515	0.596, 3.853	0.23	0.400	0.090, 1.778
Household income(dollar)						
<55,000	0.08			0.08		
55,000-75,000	0.13	0.496	0.198, 1.242	0.045	0.299	0.092, 0.972
>75,000	0.03	0.378	0.157, 0.908	0.31	0.576	0.199, 1.667
Radiotherapy	0.34	0.046	<0.001, 27.269	0.98	<0.001	<0.001, >999