

Supplementary data

Table S1. Comparison of general conditions.

	Age (years)	BMI (Kg/m2)	ALB (g/L)	Fatty liver		Tumor diameter		Number of tumor	
				mild	N/A	(cm)	Single	Multiple	
Male group (N=21)	51.00 (12.00)	24.41 ± 2.45	40.67 ± 2.89	8 (38.10)	13 (61.90)	7.10 (5.00)	11 (52.38)	10 (47.62)	
Female group (N=54)	48.50 (12.50)	23.95 ± 2.97	40.56 ± 2.93	16 (29.63)	38 (70.37)	7.50 (2.55)	27 (50.00)	27 (50.00)	
$\chi^2/t/z$	0.107	0.636	0.145		0.498	-0.053		0.034	
<i>P</i> values	0.915	0.527	0.885		0.480	0.958		0.853	
Younger male group (N=9)	42.00 (13.00)	25.05 ± 2.95	41.58 ± 1.42	5 (55.56)	4 (44.44)	9.00 (4.35)	4 (44.44)	5 (55.56)	
Premenopausal group (N=31)	43.00 (9.00)	24.18 ± 2.87	40.26 ± 2.57	8 (25.81)	23 (74.19)	7.30 (2.30)	15 (48.39)	16 (51.61)	
$\chi^2/t/z$	0.745	0.800	1.458		1.621	1.925		0.000	
<i>P</i> values	0.750	0.429	0.153		0.203	0.062		1.000	
Elder male group (N=12)	54.00 (7.00)	23.93 ± 2.00	39.98 ± 3.54	3 (25.00)	9 (75.00)	5.85 (4.13)	7 (58.33)	5 (41.67)	
Postmenopausal group (N=23)	56.00 (6.00)	23.63 ± 3.14	40.95 ± 3.38	8 (34.78)	15 (65.22)	7.60 (2.80)	12 (52.17)	11 (47.83)	
$\chi^2/t/z$	0.401	0.297	-0.792			-1.181			
<i>P</i> values	0.420	0.769	0.434		0.709	0.246		1.000	

P*<0.05, *P*<0.01, ****P*<0.001

Table S2. Comparison of Baseline laboratory data

	PT (s)	PTA (%)	INR	A LT (U/L)	AST (U/L)	TBil (μmol/L)
Male group (N=21)	11.10 (1.50)	98.30 (24.45)	0.99 (0.13)	18.30 (7.05)	16.80 (7.00)	12.80 (4.90)
Female group (N=54)	11.30 (0.83)	94.40 (19.63)	1.02 (0.09)	16.10 (5.25)	15.55 (3.35)	10.75 (5.98)
$\chi^2/t/z$	0.455	0.537	0.479	-1.670	-0.749	-1.688
<i>P</i> values	0.649	0.593	0.632	0.095	0.454	0.091
Younger male group (N=9)	10.90 (1.65)	102.40 (34.55)	0.99 (0.15)	18.70 (6.55)	16.80 (8.55)	12.80 (6.15)
Premenopausal group (N=31)	11.40 (0.80)	94.40 (19.10)	1.03 (0.08)	15.70 (5.10)	14.90 (3.40)	9.50 (6.50)
$\chi^2/t/z$	-0.940	0.983	-1.108	0.060	0.604	0.646
<i>P</i> values	0.353	0.332	0.275	0.059	0.610	0.522
Elder male group (N=12)	11.40 (1.53)	92.50 (23.83)	1.03 (0.12)	17.85 (7.78)	16.80 (6.75)	12.55 (4.25)
Postmenopausal group (N=23)	11.00 (1.00)	96.30 (23.40)	1.01 (0.10)	16.40 (13.00)	16.30 (3.30)	11.20 (8.90)
$\chi^2/t/z$	0.590	-0.166	0.554	0.754	0.702	0.348
<i>P</i> values	0.595	0.869	0.572	0.771	0.719	0.362

P*<0.05, *P*<0.01, ****P*<0.001

Table S3. Comparison of Intraoperative variables

	Anesthesia time (min)	Operation time (min)	Mean CVP (cmH ₂ O)	Times of Pringle's Resection volume (times)	Times of Pringle's Resection volume (cm ³)	Blood loss (mL)		Transfusion of blood	
								Yes	No
Male group (N=21)	285.00 (187.50)	210.00 (180.00)	2.50 (0.25)	3.00 (2.50)	175.00 (416.85)	50.00 (280.00)	9 (42.86)	12 (57.14)	
Female group (N=54)	270.00 (97.50)	202.50 (97.50)	2.50 (0.30)	3.00 (2.00)	168.00 (219.50)	100.00 (150.00)	19 (35.19)	35 (64.81)	
$\chi^2/t/z$	0.839	-0.496	-1.641	-0.199	0.030	0.534		0.380	
<i>P</i> values	0.404	0.620	0.101	0.842	0.976	0.594		0.537	
Younger male group (N=9)	390.00 (282.50)	315.00 (212.50)	2.50 (0.40)	4.00 (2.00)	384.00 (421.50)	200.00 (365.00)	5 (55.56)	4 (44.44)	
Premenopausal group (N=31)	280.00 (105.00)	195.00 (105.00)	2.50 (0.30)	3.00 (2.00)	168.00 (260.00)	100.00 (150.00)	12 (38.71)	19 (61.29)	
$\chi^2/t/z$	0.277	0.299	0.718	0.064	0.517	0.780		0.267	
<i>P</i> values	0.291	0.306	0.477	0.069	0.524	0.799		0.605	
Elder male group (N=12)	275.00 (120.00)	195.00 (120.00)	2.55 (0.18)	2.00 (2.00)	140.00 (417.67)	50.00 (80.00)	4 (33.33)	8 (66.67)	
Postmenopausal group (N=23)	255.00 (110.00)	210.00 (90.00)	2.40 (0.40)	3.00 (1.00)	192.00 (205.13)	50.00 (50.00)	7 (30.43)	16 (69.57)	
$\chi^2/t/z$	-0.020	-0.243	1.597	0.236	0.476	0.532			
<i>P</i> values	0.984	0.809	0.120	0.263	0.482	0.548		1.000	

P*<0.05, *P*<0.01, ****P*<0.001

Table S4. Comparison of clinical characteristics between premenopausal group and postmenopausal group

Indicators		Premenopausal group (N=31)	Postmenopausal group (N=23)	$\chi^2/t/z$	<i>P</i> values
General conditions					
Age (years)		43.00 (9.00)	56.00 (6.00)	6.243	<0.001***
BMI (Kg/m ²)		24.18 ± 2.87	23.63 ± 3.14	0.669	0.506
ALB (g/L)		40.26 ± 2.57	40.95 ± 3.38	-0.849	0.400
Fatty liver	Mild	8 (25.81)	8 (34.78)	0.510	0.475
	N/A	23 (74.19)	15 (65.22)		
Tumor diameter (cm)		7.30 (2.30)	7.60 (2.80)	-0.677	0.501
Number of tumor	Single	15 (48.39)	12 (52.17)	0.076	0.783
	Multiple	16 (51.61)	11 (47.83)		
Baseline laboratory data					
PT (s)		11.40 (0.80)	11.00 (1.00)	-0.999	0.318
PTA (%)		94.40 (19.10)	96.30 (23.40)	-0.441	0.661
INR		1.03 (0.08)	1.01 (0.10)	-0.815	0.415
ALT (U/L)		15.70 (5.10)	16.40 (13.00)	1.785	0.074
AST (U/L)		14.90 (3.40)	16.30 (3.30)	1.146	0.252
TBil (μmol/L)		9.50 (6.50)	11.20 (8.90)	1.207	0.227
Intraoperative variables					
Anesthesia time (min)		280.00 (105.00)	255.00 (110.00)	-0.937	0.349
Operation time (min)		195.00 (105.00)	210.00 (90.00)	-0.657	0.511
Mean CVP (cmH ₂ O)		2.50 (0.30)	2.40 (0.40)	0.876	0.385
Times of Pringle's (times)		3.00 (2.00)	3.00 (1.00)	-1.179	0.238
Resection volume (cm ³)		168.00 (260.00)	192.00 (205.13)	1.033	0.302
Blood loss (ml)		100.00 (150.00)	50.00 (50.00)	-1.851	0.064
Transfusion of blood	Yes	12 (38.71)	7 (30.43)	0.396	0.529
	No	19 (61.29)	16 (69.57)		

P*<0.05, *P*<0.01, ****P*<0.001