

Supplement materials

Table 1. Data of clinical patients

No.	sex ^a	Age(years)	Diagnosis ^b	AFP concentration(ng/ml) ^c	metastasis ^d
1	M	36	liver trauma	9.8	N
2	F	54	liver trauma	12.7	N
3	M	48	liver trauma	14.6	N
4	M	52	liver trauma	6.8	N
5	F	33	liver trauma	21.7	N
6	M	69	liver trauma	23.5	N
7	M	49	HBV- related hepatitis liver tissues	79.6	N
8	F	36	HBV- related hepatitis liver tissues	36.7	N
9	M	45	HBV- related hepatitis liver tissues	109.6	N
10	M	57	HBV- related hepatitis liver tissues	26.9	N
11	F	38	HBV- related hepatitis liver tissues	28.8	N
12	M	56	HBV- related hepatitis liver tissues	58.9	N
13	F	68	HBV- related hepatitis liver tissues	98.7	N
14	M	61	HBV- related hepatitis liver tissues	38.9	N
15	M	59	HBV- related hepatitis liver tissues	89.7	N
16	F	47	HCC	101.8	N
17	M	63	HCC	93.6	N
18	M	72	HCC	82.8	N
19	F	56	HCC	112.9	N
20	M	41	HCC	116.8	N
21	M	46	HCC	198.6	N
22	M	38	HCC	60.5	N
23	F	53	HCC	198.6	N

24	F	71	HCC	439.5	N	
25	M	65	HCC	336.2	N	
26	M	53	HCC	421.2	N	
27	F	47	HCC	365.2	N	
28	M	56	HCC	278.6	N	
29	F	37	HCC	156.3	N	
30	M	31	HCC	299.6	N	
31	M	48	HCC	338.3	N	
32	M	63	HCC	926.6	intrahepatic	and
					lymph nodes	
33	M	43	HCC	322.5	intrahepatic	and
					lymph nodes	
34	M	59	HCC	443.2	intrahepatic	and
					lymph nodes	
35	F	51	HCC	265.9	intrahepatic	and
					lymph nodes	
36	M	62	HCC	487.7	intrahepatic	and
					lymph nodes	
37	M	77	HCC	589.6	intrahepatic	and
					lymph nodes	
38	M	65	HCC	448.8	intrahepatic	and
					lymph nodes	
39	F	48	HCC	392.5	intrahepatic	and
					lymph nodes	
40	M	39	HCC	405.6	intrahepatic	and
					lymph nodes	
41	M	41	HCC	535.8	intrahepatic	and
					lymph nodes	
42	M	46	HCC	667.4	intrahepatic	and
					lymph nodes	
43	F	53	HCC	431.7	intrahepatic	and
					lymph nodes	
44	M	58	HCC	547.4	intrahepatic	and
					lymph nodes	
45	M	47	HCC	483.3	intrahepatic	and
					lymph nodes	
46	F	50	HCC	569.5	intrahepatic	and
					lymph nodes	
47	M	49	HCC	793.2	intrahepatic	and
					lymph nodes	
48	M	61	HCC	689.2	intrahepatic	and
					lymph	nodes
49	M	64	HCC	1125.9	intrahepatic	and
					lymph nodes	
50	F	58	HCC	886.5	intrahepatic	and
					lymph	nodes
51	M	36	HCC	345.2	intrahepatic	and
					lymph nodes	
52	M	48	HCC	389.7	intrahepatic	and
					lymph	nodes
53	F	62	HCC	298.7	intrahepatic	and
					lymph nodes	
54	M	46	HCC	1125.5	intrahepatic	and

55	M	66	HCC	899.8	lymph intraphepatic	nodes and
56	F	58	HCC	538.7	lymph nodes intraphepatic	and lymph nodes

Note: a, M: man, F: female; b, diagnosis by and pathological tissue section and CT scanned photography; c, serum AFP concentration were detected by enzyme-linked immunosorbent assay(ELISA); d, N: non metastasis.