

Table1. Clinical characteristics of 111 cases of HCC patients after liver transplantation (LT)

Characteristics		Number of cases	Percentage of cases(%)
Age(y)	<60	78	70.3
	≥60	33	29.7
Gender	Male	93	83.8
	Female	18	16.2
Hepatitis	HBV	89	80.2
	HCV	13	11.7
	None	9	8.1
Cirrhosis	Y	109	98.2
	N	2	1.8
AFP(ug/L)	<400	71	64.0
	≥400	40	36.0
Meld score	≤14	108	97.3
	15~18	3	2.7
	>18	0	0
Clinicopathological stag	I	27	24.3
	II	34	30.6
	III	50	45.1
	IV	0	0
MVI	Y	28	25.2
	N	83	74.8
Pathological differentiation	Well	1	0.9
	Moderate	69	62.1
	Poor	33	29.7
	undifferentiated	8	7.2
Number of tumor	single	48	43.2
	multiple	63	56.8
Satellite nodules	N	88	79.3
	Y	23	20.7
Relapse states (at follow-up)	N	69	62.2
	Y	42	37.8
Vital states (at follow-up)	Alive	81	73.0
	Dead	30	27.0
Expression of ASH1L	Low expression	67	60.4
	High expression	44	39.6

Table2. Correlation between the expression of ASH1L and clinical blood examinations

Variable	High expression (n=44)	Low expression (n=67)	P value
ALT(U/L)	36.30(24.40-56.35)	34.50(20.60-47.90)	0.228
AST(U/L)	60.85(42.20-104.13)	41.20(27.30-64.20)	0.003
TB(umol/L)	36.49(17.53-75.96)	21.19(13.70-37.71)	0.021
Scr(umol/L)	65.05(58.03-80.00)	66.00(53.00-77.00)	0.424
ALB(g/L)	34.94±5.98	35.20±6.02	0.878
AFP(ng/ml)	215.90(10.45-1705.50)	76.68(6.34-1210.00)	0.187
WBC(×109/L)	4.23(2.80-5.77)	4.51(2.98-6.14)	0.387
HGB(g/L)	120.84±24.98	125.09±22.44	0.458
PLT(×109/L)	108.00(55.25-145.75)	106.0(64.00-163.00)	0.623
INR	1.19(1.06-1.44)	1.21(1.09-1.36)	0.594
PT(s)	12.95(11.53-14.98)	13.60(12.20-15.30)	0.197

Table3. Correlation between expression of ASH1L and clinicopathological characteristics

Variable	High expression (n=44)	Low expression (n=67)	P value
Gender(M/F)	37/7	56/11	0.944
Age(y)	54.73±8.56	54.63±9.67	0.814
Hepatitis (HBV / HCV/None)	36/4/4	52/9/5	0.487
Cirrhosis(Y/ N)	32/12	64/2	0.250
MELD score	7.67(5.57-9.65)	6.62(5.43-8.09)	0.071
Number of tumors (multiple / single)	30/14	33/34	0.050
Maximum diameter of tumor(cm)	3.50(2.00-6.00)	3.00 (2.00-6.00)	0.954
Satellite cooker(Y/ N)	12/32	11/56	0.169
MVI(Y/N)	16/28	12/55	0.029
Tumor differentiation(Well/Moderate/Poor/Undifferentiation)	0/28/15/1	1/40/19/7	0.649
Clinicopathological stage(I/II/III/IV)	7/12/25/0	20/22/25/0	0.032
Relapse states(N/Y)	22/22	47/22	0.002
Vital states(alive/dead)	25/19	56/11	0.033