

Supplement data

Table1. Association between EGFR overexpression and other variables in HCC tissues.

Variables	EGFR overexpression [†]		p [*]
	Negative	Positive	
Tissues			
Matched non-cancerous (n=35)	25 (71.4%)	10 (28.6%)	0.713
HCC (n=40)	27 (67.5%)	13 (32.5%)	
Age (Years)			
<50	11 (57.9%)	8 (42.1%)	0.217
≥50	16 (76.2%)	5 (23.8%)	
Sex			
Male	22 (62.9%)	13 (37.1%)	0.154
Female	5 (100%)	0 (0%)	
Tumor size			
<5 cm	8 (61.5%)	5 (38.5%)	0.576
≥5 cm	19 (70.4%)	8 (29.6%)	
AFP			
<500 ng/ml	17 (70.8%)	7 (29.2%)	0.391
≥500 ng/ml	8 (57.1%)	6 (42.9%)	
HBsAg			
Negative	7 (63.6%)	4 (36.4%)	0.748
Positive	20 (69%)	9 (36.4%)	
TP53 expression			
Negative	14(70%)	6 (30%)	0.736
Positive	13(65%)	7 (35%)	
Ki-67			
Negative (<10%)	6 (66.7%)	3 (33.3%)	0.894
Mildly positive (10-19%)	6 (75.0%)	2 (25.0%)	
Moderately positive (20-29%)	6 (54.5%)	5 (45.5%)	
Strongly positive (>30%)	9 (75.0%)	3 (25.0%)	

[†] EGFR overexpression defined as negative (0 and 1+) and positive (2+ and 3+),* chi-square (χ^2) test

Table 2. Association between EGFR mutation and other variables in HCC tissues.

Variables	Missense mutation		<i>p</i> *	Silent mutation		<i>p</i> *
	Negative	Positive		Negative	Positive	
Age (Years)						
<50	10 (76.9%)	3 (23.1%)		6 (46.2%)	7 (53.8%)	
≥50	13 (65.0%)	7 (35.0%)	0.466	15 (75.0%)	5 (25.0%)	0.092
Sex						
Male	19 (70.4%)	8 (29.6%)		17 (63.0%)	10 (37%)	
Female	4 (66.7%)	2 (33.3%)	1.00	4 (66.7%)	2 (33.3%)	1.00
Tumor size						
<5 cm	10 (76.9%)	3 (23.1)		7 (53.8%)	6 (46.2%)	
≥5 cm	13 (65.0%)	7 (35.0%)	0.466	14 (70%)	6 (30%)	0.346
AFP						
<500 ng/ml	15 (68.2%)	7 (31.8%)		13 (59.1%)	9 (40.9%)	
≥500 ng/ml	7 (70.0%)	3 (30.0%)	0.918	7 (70%)	3 (30%)	0.555
HBsAg						
Negative	16 (76.2%)	5 (23.8%)		13 (61.9%)	8 (38.1%)	
Positive	7 (63.6%)	4 (36.4%)	0.453	7 (63.6%)	4 (36.4%)	0.923
TP53 expression						
Negative	12 (70.6%)	5 (29.4%)		8 (47.1%)	9 (52.9%)	
Positive	8 (66.7%)	4 (33.3%)	0.822	9 (75.0%)	3 (25.0%)	0.132
Ki-67						
Negative (<10%)	5 (62.5%)	3 (37.5%)		4 (50.0%)	4 (50.0%)	
Mildly positive (10-19%)	4 (80.0%)	1 (20.0%)		4(80.0%)	1 (20.0%)	
Moderately positive (20-29%)	6 (85.7%)	1 (14.3%)		4(57.1%)	3 (42.9%)	
Strongly positive (>30%)	5 (55.6%)	4 (44.4%)	0.810	5(55.6%)	4 (44.4%)	0.991
EGFR overexpression						
Negative (score 0, 1+)	13 (68.4%)	6 (31.6%)		13(68.4%)	6 (31.6%)	
Positive (score 2+, 3+)	6 (66.7%)	3 (33.3%)	0.926	3(33.3%)	6 (66.7%)	0.080

* chi-square (χ^2) test