

Table 1. Correlation of P4HB expression with the clinical and molecular characteristics in high grade glioma

Characteristics		No. of Cases (n, %)	P4HB		P value
			Low	High	
Gender					
	Female	18 (31.6%)	9 (50.0%)	9 (50.0%)	0.162
	Male	39 (68.4%)	12 (30.8%)	27 (69.2%)	
Age at Diagnosis (Years)					
	≤55	49 (67.1%)	25 (51.0%)	24 (49.0%)	*0.035
	>55	24 (32.9%)	6 (25.0%)	18 (75.0%)	
Tumour Location					
	Frontal	24 (42.1%)	9 (37.5%)	15 (62.5%)	0.292
	Temporal	13 (22.8%)	3 (23.1%)	10 (76.9%)	
	Parietal	4 (7%)	3 (75.0%)	1 (25.0%)	
	Occipital	2 (3.5%)	0 (0.0%)	2 (100%)	
	Multiple	14 (24.6%)	6 (42.9%)	8 (57.1%)	
WHO Grade					
	III	14 (24.6%)	10 (71.4%)	4 (28.6%)	*0.002
	IV	43 (75.4%)	11 (25.6%)	32 (74.4%)	
Nature of glioma					
	Primary	51 (89.5%)	17 (33.3%)	34 (66.7%)	0.109
	Recurrent	6 (10.5%)	4 (66.7%)	2 (33.3%)	
Radiotherapy					
	Yes	53 (93.0%)	17 (32.1%)	36 (67.9%)	*0.007
	No	4 (7.0%)	4 (19.0%)	0 (0.0%)	
Chemotherapy					
	Yes	44 (77.2%)	13 (29.5%)	31 (70.5%)	*0.036
	No	13 (22.8%)	8 (61.5%)	5 (38.5%)	
MGMT					
	Negative	20 (39.2%)	5 (25.0%)	15 (75.0%)	0.596
	Positive	23 (45.1%)	9 (39.1%)	14 (60.9%)	
	Others	8 (15.7%)	3 (37.5%)	5 (62.5%)	
TMZ (Cycles)					
	≤6	8 (18.2%)	0 (0.0%)	8 (100.0%)	*0.043
	>6	36 (81.8%)	13 (36.1%)	23 (63.9%)	

*** $p < 0.05$**

Table 2. Univariate and Multivariate Cox regression analyses of OS and PFS in high grade glioma patients

Variables		OS				PFS			
		Univariate analysis P Value	Multivariate analysis			Univariate analysis P Value	Multivariate analysis		
			HR	95% CI	P Value		HR	95% CI	P Value
Gender	Female versus Male	0.805				0.881			
Age at Diagnosis (Yrs)	≤55 versus >55	0.005	1.093	0.528-2.260	0.811	0.084			
WHO Grade	III versus IV	0.000	7.881	2.179-28.504	*0.002	0.007	1.657	0.659-4.165	0.283
Radiotherapy	Yes versus No	0.216				0.185			
Chemotherapy (TMZ)	Yes versus No	0.001	5.688	2.132-15.174	*0.001	0.089			
MGMT	Negative versus Positive	0.004	1.282	0.562-2.923	0.555	0.010	1.497	0.626-3.579	0.365
TMZ (Cycles)	≤6 versus >6	0.688				0.020	0.579	0.215-1.563	0.281
P4HB expression	Low versus High	0.018	2.377	1.008-5.605	*0.048	0.035	2.511	0.926-6.809	0.070