

Appendix table 2. Multivariate analyses of the potential prognostic factors on clinical outcome: Hazard Ratios (HR), 95% Confidence Intervals (CI), and *p* Values.

Endpoint	HR(95%CI)	<i>p</i> value	Endpoint	HR(95%CI)	<i>p</i> value	Endpoint	HR(95%CI)	<i>p</i> value
OS			PFS			DMFS		
Age,y								
18-29	Reference			Reference			Reference	
30-39	1.35(0.68-2.69)	0.393		1.27 (0.71-2.28)	0.427		1.17 (0.60-2.28)	0.643
40-49	1.83(0.94-3.54)	0.074		1.64 (0.94-2.88)	0.084		1.39 (0.73-2.64)	0.311
50-59	2.02(1.03-3.95)	0.040		1.75 (0.99-3.11)	0.054		1.58 (0.83-3.03)	0.164
>60	3.44(1.74-6.80)	<0.001		2.64 (1.46-4.77)	0.001		1.92 (0.98-3.79)	0.059
Gender								
Female	Reference			Reference			Reference	
Male	1.61(1.16-2.24)	0.004		1.45 (1.08-1.93)	0.012		1.61 (1.14-2.27)	0.007
Histology,WHO type								
I	Reference			Reference			Reference	
II	0.93(0.12-7.07)	0.943		0.46 (0.11-2.03)	0.307		0.77 (0.10-6.00)	0.802
III	0.64(0.09-4.64)	0.661		0.38 (0.09-1.54)	0.175		0.70 (0.10-5.08)	0.727
T stage								
T1	Reference			Reference			Reference	
T2	1.36(0.68-2.71)	0.389		1.57 (0.84-2.94)	0.157		1.02 (0.52-2.00)	0.956
T3	1.40(0.73-2.68)	0.306		1.53 (0.85-2.77)	0.158		1.13 (0.61-2.10)	0.702
T4	2.58(1.32-5.04)	0.006		2.53 (1.36-4.68)	0.003		1.58 (0.82-3.04)	0.169

N stage

N0	Reference		Reference		Reference	
N1	1.46(0.93-2.31)	0.103	1.50 (0.99-2.27)	0.056	1.17 (0.72-1.91)	0.525
N2	2.05(1.29-3.24)	0.002	1.93 (1.27-2.94)	0.002	1.65 (1.01-2.71)	0.046
N3	2.62(1.52-4.50)	<0.001	3.08 (1.90-5.01)	<0.001	2.11 (1.20-3.71)	0.009

Smoking

No	Reference		Reference		Reference	
Yes	0.99(0.76-1.29)	0.924	1.00 (0.79-1.27)	0.998	0.92 (0.69-1.22)	0.548

Family History

No	Reference		Reference		Reference	
Yes	0.92 (0.62-1.36)	0.671	0.88 (0.61-1.25)	0.463	0.86 (0.57-1.30)	0.475

EBV DNA level

<1000 copies/ml	Reference		Reference		Reference	
1000-9999	1.36 (0.984-1.88)	0.063	1.30 (0.97-1.76)	0.084	1.55 (1.08-2.24)	0.019
10000-99999	1.67 (1.19-2.35)	0.003	1.96 (1.45-2.67)	<0.001	2.61 (1.81-3.76)	<0.001
100000-999999	2.41 (1.61-3.63)	<0.001	2.55 (1.77-3.67)	<0.001	3.15 (2.03-4.91)	<0.001
≥1000000 copies/ml	5.43 (3.05-9.66)	<0.001	5.25 (3.09-8.92)	<0.001	9.21 (5.11-16.61)	<0.001

Abbreviations: **OS** =overall survival; **PFS** =progression-free survival; **DMFS** =distant metastasis-free survival