

Supplementary Table1 Prognostic factors for overall survival of patients with invasive micropapillary breast cancer (included HER2)

Risk factors	Univariate analysis			Multivariate analysis		
	HR	95%CI	P value	HR	95%CI	P value
Age						
<60	Ref			Ref		
≥60	2.145	1.055-4.360	0.035	2.354	1.100-5.036	0.027
Race				-	-	-
Black	Ref					
White	0.559	0.227-1.379	0.207			
Other	0.822	0.251-2.693	0.746			
Marital status						
Married	Ref			Ref		
Single	2.095	0.888-4.945	0.091	2.131	0.864-5.253	0.101
Divorced	4.826	2.166-10.753	<0.001	3.926	1.657-9.301	0.002
Laterality				-	-	-
Left	Ref					
Right	1.447	0.720-2.909	0.300			
Location				-	-	-
Central	Ref					
portion						
Upper-inner quadrant	0.501	0.134-1.866	0.303			
Lower-inner quadrant	0.725	0.181-2.899	0.649			
Upper-outer quadrant	1.023	0.344-3.043	0.968			
Lower-outer quadrant	0.614	0.137-2.746	0.524			
Grade				-	-	-
Grade I	Ref					
Grade II	1.803	0.241-13.480	0.566			
Grade III	1.966	0.295-17.290	0.433			
AJCC stage						
I	Ref			Ref		
II	2.065	0.841-5.066	0.113	1.231	0.250-6.060	0.798
III	3.780	1.465-9.756	0.005	2.915	0.108-78.836	0.525
T stage						
T1	Ref			Ref		
T2	2.529	1.228-5.208	0.012	1.384	0.496-3.860	0.534
T3	1.796	0.405-7.962	0.441	0.627	0.078-5.037	0.661
T4	5.084	0.660-39.173	0.119	2.578	0.154-43.085	0.510

N stage						
N0	Ref			Ref		
N1	1.721	0.759-3.904	0.194	1.238	0.347-4.421	0.742
N2	2.670	0.927-7.685	0.069	0.650	0.029-14.741	0.787
N3	3.556	1.230-10.281	0.019	1.819	0.101-32.914	0.685
ER						
Negative	Ref			Ref		
Positive	0.263	0.118-0.583	0.001	0.296	0.115-0.762	0.012
PR				-	-	-
Negative	Ref					
Positive	0.705	0.306-1.626	0.413			
HER2						
Negative	Ref			Ref		
Positive	1.000	0.413-2.424	0.999	0.712	0.265-1.907	0.499
Radiation therapy						
None	Ref			Ref		
Yes	0.449	0.226-0.889	0.022	0.565	0.228-1.399	0.217
Chemotherapy				-	-	-
None or unknown	Ref					
Yes	0.959	0.483-1.906	0.906			
Breast surgery						
BCS	Ref			Ref		
Mastectomy	2.402	1.204-4.792	0.013	1.412	0.529-3.769	0.491
Lymph node removed				-	-	-
0	Ref					
1-10	0.593	0.079-4.443	0.611			
>10	1.203	0.158-9.172	0.858			