

		DFS		OS	
		HR (95% CI)	p-value	HR (95% CI)	p-value
Age at diagnosis (years)		1.00 (0.97 - 1.04)	0.878	1.02 (0.97 - 1.05)	0.666
Mode of detection	Screen-detected	1.00		1.00	
	Symptomatic	1.42 (0.74 - 2.69)	0.291	1.17 (0.57 - 2.42)	0.662
Stage at diagnosis	I-II	1.00		1.00	
	III-IV	2.99 (1.53 - 5.87)	0.001	1.62 (0.76 - 3.48)	0.213
Neoadjuvant chemotherapy	No neoadjuvant chemotherapy	1.00		1.00	
	Yes, with a complete response	1.57 (0.24 - 10.39)	0.642	0.12 (0.01 - 1.98)	0.137
	Yes, with a partial or absent response	2.38 (1.11 - 5.08)	0.026	2.06 (0.81 - 5.22)	0.126
Adjuvant chemotherapy	No	1.00		1.00	
	Yes	1.57 (0.69 - 3.60)	0.282	1.12 (0.43 - 2.93)	0.817
Type of surgery	Conservative	1.00		1.00	
	Radical	0.91 (0.46 - 1.80)	0.785	1.05 (0.48 - 2.30)	0.902
Vascular invasion	No	1.00		1.00	
	Yes	1.97 (1.00 - 3.90)	0.05	2.26 (1.01 - 5.05)	0.047
Histologic type	Non-special type (NST)	1.00		1.00	
	Metaplastic	2.75 (0.89 - 8.51)	0.078	2.21 (0.60 - 8.18)	0.236
	Lobular	1.24 (0.34 - 4.55)	0.743	1.24 (0.26 - 5.88)	0.784
	Others	2.02 (0.94 - 4.36)	0.071	1.16 (0.42 - 3.18)	0.778
Histologic grade	1 - 2	1.00		1.00	
	3	0.68 (0.31 - 1.51)	0.348	0.71 (0.29 - 1.73)	0.453
Ki-67	<20%	1.00		1.00	
	≥20%	1.85 (0.60 - 5.73)	0.285	2.20 (0.54 - 8.93)	0.271
TILS*	<30%	1.00		1.00	
	≥30%	0.89 (0.33 - 2.41)	0.817	0.22 (0.05 - 0.94)	0.042

*Tumour-Infiltrating Lymphocytes

Supplementary Table 1. Cox multivariable models for disease-free survival (DFS) and overall survival (OS) restricted to the age group 45-75 years (N=231).