

S7 Table. Univariate analysis of prognostic factors in ypN+ patients (n=368)

Variable	No. of patients (%)	5-Year LRRFS (%)	p-value	5-Year DFS (%)	p-value	5-Year OS (%)	p-value
Age (yr)			0.16		0.74		0.69
< 40	74 (20.1)	96.0		73.4		84.8	
≥ 40	294 (79.9)	91.0		73.4		86.6	
Histologic grade			< 0.001 ^{a)}		< 0.001 ^{a)}		< 0.001 ^{a)}
I-II	241 (65.5)	96.2		81.6		92.8	
III	127 (34.5)	83.6		57.9		73.6	
Molecular subtype			0.001 ^{a)}		< 0.001 ^{a)}		< 0.001 ^{a)}
Luminal HER2(-)	218 (59.2)	94.4		78.6		91.5	
HER2(+)	97 (26.4)	91.7		79.3		91.7	
Triple-negative	53 (14.4)	82.1		41.5		52.6	
Ki-67 (%)			0.053		0.01 ^{a)}		0.002 ^{a)}
< 15	205 (55.7)	94.6		77.2		91.5	
≥ 15	163 (44.3)	88.6		68.7		79.6	
Resection margin status			0.11		0.09		0.14
Negative	326 (88.6)	92.8		75.1		86.9	
Close	42 (11.4)	85.3		60.1		77.7	
Axillary dissection			0.27		0.03 ^{a)}		0.06
SLNB	32 (8.7)	96.3		90.1		96.9	
ALND	336 (91.3)	91.5		71.9		85.2	
Lymphovascular invasion			0.01 ^{a)}		< 0.001 ^{a)}		0.003 ^{a)}
Absent	162 (44.0)	95.7		85.0		91.3	
Present	206 (56.0)	89.0		64.3		82.2	
Clinical T category			0.18		0.02 ^{a)}		0.049 ^{a)}
cT1-2	190 (51.6)	93.6		78.2		90.7	
cT3-4	178 (48.4)	90.1		68.3		81.3	
Clinical N category			0.10		0.04 ^{a)}		0.17
cN0	10 (2.7)	100.0		90.0		90.0	
cN1	114 (31.0)	95.5		80.3		89.9	
cN2-3	244 (66.3)	90.0		69.5		84.3	

ypT category			0.36	0.78	0.12
ypT0-is	13 (3.5)	92.3		76.9	100.0
ypT1-4	355 (96.5)	92.2		73.3	85.7
ypN category			0.03 ^{a)}	< 0.001 ^{a)}	< 0.001 ^{a)}
ypN1	213 (57.9)	89.3		81.5	90.9
ypN2-3	155 (42.1)	88.0		62.4	79.8
Radiation therapy			< 0.001 ^{a)}	0.004 ^{a)}	< 0.001 ^{a)}
No	29 (7.9)	67.4		55.2	58.4
Yes	339 (92.1)	94.0		75.0	88.6

ALND, axillary lymph node dissection; DFS, disease-free survival; HER2, human epidermal growth factor receptor; LRRFS, locoregional recurrence-free survival; OS, overall survival; SLNB, sentinel lymph node biopsy. ^{a)}Significant p-value.