Supplementary table 1. Main characteristics of the patients. Sample description.

Variable	Category	N(%)
Age	**(mean±sd)**	56.5(12.6)
Age	**<45 years**	352(20)
	45 – 54 years	456(26)
	55 – 64 years	463(27)
	65 – 74 years	289(17)
	≥75 years	178(10)
Educational level	**Less than primary school**	270(16)
	Primary school	563(32)
	Secondary school	574(33)
	University	331(19)
Menopausal status	**Premenopausal**	612(35)
	Postmenopausal	1125(65)
Smoking	**Never smoker**	970(56)
	Former smoker	286(17)
	Current smoker	469(27)
Body Mass Index (kg/m^2)	**<18.5**	28(1.7)
	18.5 – 24.9	745(46)
	25.0 – 29.9	542(34)
	≥30.0	293(18)

Supplementary table 2. Pathologic prognostic score relation with survival in women without neoadjuvant therapy by menopausal status. Hazard ratios and 95% confidence intervals estimated via Weibull regression
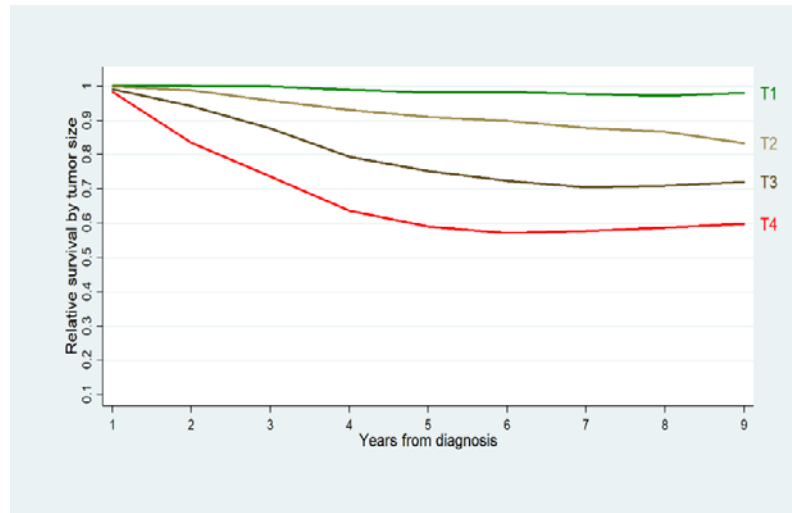
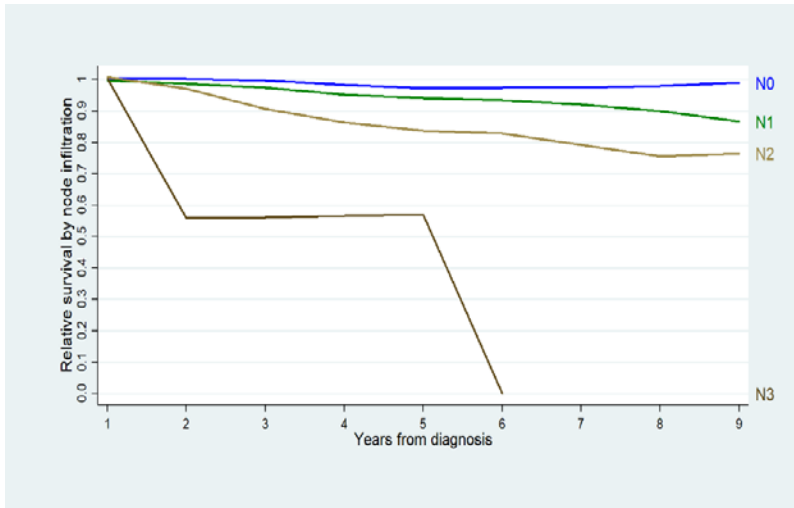| PPS	Premenopausal			Postmenopausal		
	N (%)	Hazard ratio (95% CI)*	p	N (%)	Hazard ratio (95% CI)*	p
0	23 (5.64)	NA	NA	60(9.54)	0.42 (0.06 to 3.26)	0.410
IA	226(55.39)	1 (ref)		367(58.35)	1 (ref)	
IB	66(16.18)	3.18 (0.55 to 18.5)	0.198	82(13.04)	2.34 (1.01 to 5.43)	0.047
IIA	31(7.60)	8.42 (1.55 to 45.7)	0.014	40(6.36)	3.08 (1.18 to 8.06)	0.022
IIB	15(3.68)	5.20 (0.47 to 57.1)	0.178	29(4.61)	3.67 (1.23 to 11.0)	0.020
IIIA	25(6.13)	18.3 (3.28 to 101.8)	0.001	18(2.86)	5.45 (1.87 to 15.9)	0.002
IIIB	6(1.48)	13.7 (1.29 to 145.2)	0.030	13(2.07)	NA	NA
IIIC	2(0.49)	NA	NA	4(0.64)	11.5 (1.17 to 113.6)	0.036
IV	14(3.43)	139.3 (24.3 to 799.0)	0.000	16(2.54)	39.6 (14.8 to 105.9)	0.000

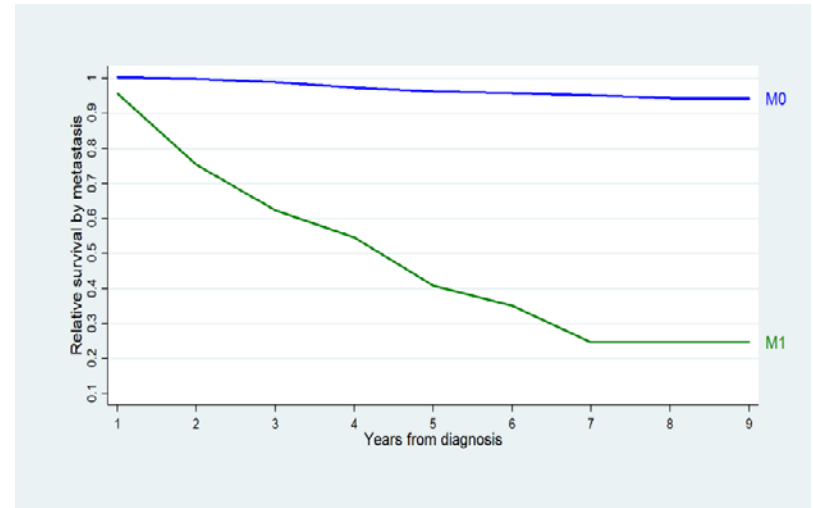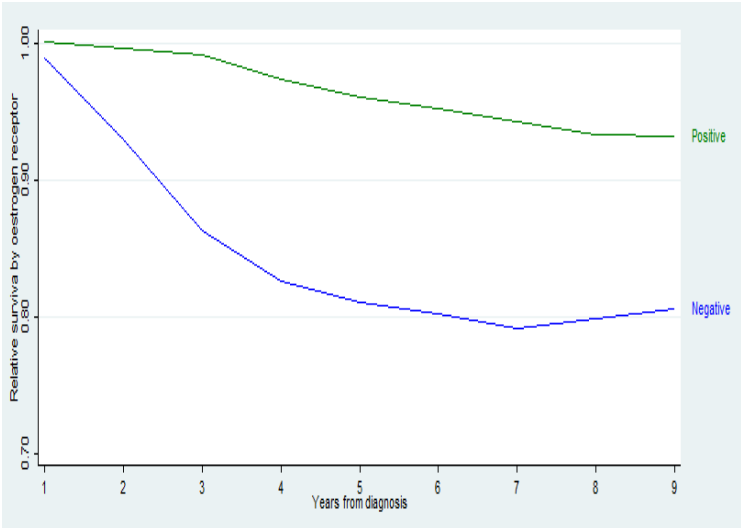*Adjusted for age at diagnosis and hospital
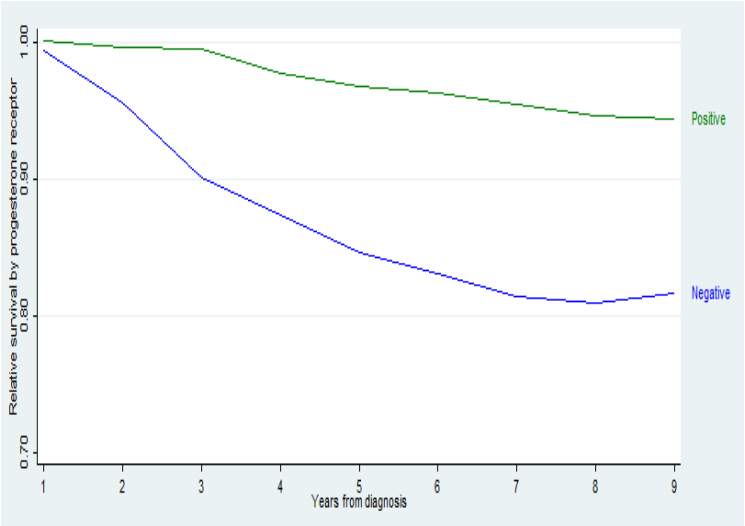
NA = Not Available/Not Applicable

Sup. Fig. 1

(a)

(b)

(c)

Sup. Fig. 2

(a)

(b)

(c)