

Supplementary Table S2: Univariate PFS Analysis

Variables	Pt#	POD/Death#	Median PFS (months; 95%CI)	HR (95%CI)	Pvalue*
Whole cohort	199	144	12(10.1-13.9)		
Age at Diagnosis (5-year increase)				1.05(0.97-1.13)	0.269
Charlson score (12 missing) (1-unit increase)				1.04(0.93-1.17)	0.462
NACT Cycle Group					
3	73	50	12.5(10.6-17.2)	1	<0.001
4	70	48	14.6(11.2-18.3)	0.97(0.65-1.44)	
>=5	56	46	8.2(6.9-11.3)	1.97(1.32-2.96)	
4	70	48	14.6(11.2-18.3)	1	<0.001
3	73	50	12.5(10.6-17.2)	1.04(0.7-1.54)	
>=5	56	46	8.2(6.9-11.3)	2.04(1.36-3.08)	
Histology					
Others	16	11	10.3(6.7-NE)	1	0.833
High Grade Serous	183	133	12.3(10.3-14.1)	1.07(0.58-1.98)	
Stage					
III	66	44	12.5(9.6-15.4)	1	0.677
IV	133	100	11.5(9.8-15.6)	1.08(0.76-1.54)	
BRCA					
No mutation	139	111	10.1(8.9-11.5)	1	0.002
BRCA1/2 Mutation	30	15	19.4(15.6-29.6)	0.41(0.24-0.7)	
Not tested	30	18	12.7(9.9-24.1)	0.71(0.43-1.16)	
NACT Regimen (12 missing)					
Paclitaxel weekly/ Carboplatin	134	99	12.5(10.1-14.6)	1	0.863
Others	53	36	11.4(8.8-18.3)	1.03(0.71-1.52)	
NACT Indication***					
Patient factors	60	42	10.5(8.7-16.4)	1	0.928
Disease factors	139	102	12.9(10.9-15.4)	1.02(0.71-1.46)	
Response on Imaging after 2-3 NACT Cycles					
Response	181	132	12.2(10.3-14.5)	1	0.257
No response/progression	18	12	8.7(4.6-21.3)	1.41(0.78-2.54)	
Optimal Residual					
No	18	17	7.1(4.1-9.6)	1	0.001
Yes	181	127	12.7(11.2-15.4)	0.44(0.26-0.73)	
CGR					
No	60	51	8.7(7.1-9.9)	1	<0.001

Yes	139	93	14.5(12-17.2)	0.44(0.31-0.63)
Adjuvant Therapy (4 missing)**				
No	15	14		1 0.003
Yes	180	127		0.47(0.29-0.77)

*Log-rank test is applied to obtain p-value for categorical variables and CoxPH model is used to obtain p-value for continuous variables

**CoxPH model with counting process is modeled for time dependent variable.

*** Patient factors include Aletti Score, comorbidity, venous thromboembolism, clinical trial, or other. Disease factors include Stage IV unresectable, extent of disease on imaging, extent of disease on laparoscopy, extent of disease requiring thoracic surgery.