

Table E1. Univariate Analysis of the Associations between CT Features, Clinical Characteristics, and Cytoreductive Outcome in Patients with *BRCA*-mutant HGSOC

A: Association between CT Features and Cytoreductive Outcome								
CT Features	Reader 1				Reader 2			
	IR	CGR	Odds Ratio*	P Value	IR	CGR	Odds Ratio*	P Value
Ovary								
Ovarian mass			0.94 (0.05, 16.37)	.965			0.94 (0.05, 16.37)	.965
Present	15	16			15	16		
Absent (reference)	1	1			1	1		
Margins			0.90 (0.21, 3.82)	.886			0.50 (0.11, 2.31)	.375
Irregular	9	10			9	12		
Smooth (reference)	6	6			6	4		
Architecture			1.14 (0.28, 4.68)	.853			0.89 (0.22, 3.67)	.870
Cystic/predominantly cystic	8	8			8	9		
Solid/predominantly solid (reference)	7	8			7	7		
Calcifications			0.50 (0.04, 6.17)	.588			Non evaluable	Non evaluable
Present	1	2			1	0		
Absent (reference)	14	14			14	16		
Peritoneum								
Moderate to large ascites			1.43 (0.35, 5.79)	.620			1.11 (0.28, 4.42)	.881
Present	7	6			7	7		
Absent (reference)	9	11			9	10		
Gallbladder fossa/left intersegmental fissure			1.56 (0.29, 8.38)	.607			2.50 (0.39, 16.05)	.334
Present	4	3			4	2		
Absent (reference)	12	14			12	15		
Gastrohepatic ligament			6.00 (1.22, 29.44)	.027			2.40 (0.57, 10.04)	.231
Present	9	3			8	5		
Absent (reference)	7	14			8	12		
Lesser sac			3.63 (0.74, 17.81)	.112			4.67 (0.96, 22.79)	.057
Present	7	3			8	3		
Absent (reference)	9	14			8	14		
Left upper quadrant			3.09 (0.73, 12.98)	.124			1.87 (0.44, 7.85)	.394
Present	9	5			7	5		
Absent (reference)	7	12			9	12		
PD pattern			0.29 (0.06, 1.45)	.13			0.17 (0.03, 0.85)	.031
Nodular	8	12			6	12		
Infiltrative (reference)	7	3			9	3		
Mesentery								
Mesenteric involvement			3.69 (0.34, 39.84)	.282			3.69 (0.34, 39.84)	.281

Present	3	1			3	1		
Absent (reference)	13	16			13	16		
Lymphadenopathy								
Periportal			5.33 (0.53, 54.03)	.157			5.33 (0.53, 54.03)	.157
Present	4	1			4	1		
Absent (reference)	12	16			12	16		
Supradiaphragmatic			1.08 (0.18, 6.32)	.935			1.08 (0.18, 6.32)	.935
Present	3	3			3	3		
Absent (reference)	13	14			13	14		
Suprarenal para-aortic			1.56 (0.29, 8.38)	.607			2.80 (0.56, 13.95)	.209
Present	4	3			6	3		
Absent (reference)	12	14			10	14		
B: Clinical characteristics								
	Odds Ratio*				P Value			
Age at diagnosis (y)	0.99 (0.93, 1.06)				>.99			
CA-125 level (U/mL)	1.00 (1.00, 1.00)				.54			

Note.—CGR = complete cytoreduction or complete gross resection, IR = incomplete cytoreduction or incomplete resection.

* Data in parentheses are the 95% CIs.

Table E2. Univariate Analysis of the Associations between CT Features, Clinical Characteristics, and Cytoreductive Outcome in Patients with *BRCA* Wild-type HGSOC

A: Association between CT Features and Cytoreductive Outcome								
CT Features	Reader 1				Reader 2			
	IR	CGR	Odds Ratio*	P Value	IR	CGR	Odds Ratio*	P Value
Ovary								
Ovarian Mass			0.92 (0.26, 3.23)	.898			0.92 (0.26, 3.23)	.898
Present	25	38			25	38		
Absent (reference)	5	7			5	7		
Margins			0.86 (0.29, 2.59)	.796			0.98 (0.30, 3.21)	.977
Irregular	17	27			19	29		
Smooth (reference)	8	11			6	9		
Architecture			1.03 (0.37, 2.85)	.954			0.82 (0.28, 2.38)	.716
Cystic/predominantly cystic	14	21			16	26		
Solid/predominantly solid (reference)	11	17			9	12		
Calcifications			1.56 (0.21, 11.90)	.665			1.56 (0.21, 11.90)	.665
Present	2	2			2	2		
Absent (reference)	23	36			23	36		
Peritoneum								
Moderate to large ascites			3.06 (1.10, 8.54)	.033			2.70 (1.01, 7.27)	.048
Present	13	9			14	11		
Absent (reference)	17	36			16	34		
Gallbladder fossa/left intersegmental fissure			5.12 (1.43, 18.37)	.012			6.83 (1.94, 24.09)	.003

Present	10	4			12	4		
Absent (reference)	20	41			18	41		
Gastrohepatic ligament			1.09 (0.31, 3.80)	.898			1.16 (0.36, 3.75)	.809
Present	5	7			6	8		
Absent (reference)	25	38			24	37		
Lesser sac			16.43 (3.35, 80.66)	<.001			21.50 (4.39, 105.24)	<.001
Present	13	2			15	2		
Absent (reference)	17	43			15	43		
Left upper quadrant			7.00 (2.49, 19.70)	<.001			5.25 (1.91, 14.47)	.001
Present	20	10			18	10		
Absent (reference)	10	35			12	35		
PD pattern			1.19 (0.44, 3.23)	.729			0.75 (0.24, 2.31)	.616
Nodular	10	13			6	11		
Infiltrative (reference)	20	31			24	33		
Mesentery								
Mesenteric involvement			5.96 (2.10, 16.90]	<.001			6.84 (2.22, 21.13)	<.001
Present	23	16			25	19		
Absent (reference)	7	29			5	26		
Lymphadenopathy								
Periportal			2.00 (0.55–7.27)	.292			1.16 (0.36, 3.75]	.809
Present	6	5			6	8		
Absent (reference)	24	40			24	37		
Supradiaphragmatic			7.56 (2.66, 21.50)	<.001			5.50 (1.98, 15.24)	.001
Present	22	12			22	15		
Absent (reference)	8	33			8	30		
Suprarenal para-aortic			6.00 (1.47, 24.52)	.013			8.11 (2.03, 32.44)	.003
Present	9	3			11	3		
Absent (reference)	21	42			19	42		
B: Clinical characteristics								
	Odds Ratio*				P Value			
Age at diagnosis (y)	1.01 (0.96, 1.06)				.92			
CA-125 level (U/mL)	1.00 (1.00, 1.00)				.98			

Note.—CGR = complete cytoreduction or complete gross resection, IR = incomplete cytoreduction or incomplete resection.

* Data in parentheses are the 95% CIs.

Table E3. Multiple Regression of the Associations between CT Features and Cytoreductive Outcome (Incomplete Cytoreduction) in Patients with BRCA Wild-type HGSO

CT Feature	Odds Ratio*	P Value
Mesenteric involvement	7.10 (3.39, 14.85)	<.001
PD in lesser sac	2.40 (1.48, 3.90)	<.001
PD in left upper quadrant	1.19 (1.11, 1.28)	<.001
Supradiaphragmatic lymphadenopathy	2.83 (2.03, 3.95)	<.001
Suprarenal para-aortic lymphadenopathy	4.79 (3.65, 6.27)	<.001

* Data in parentheses are the 95% CIs.

Table E4. Univariate Analysis of the Associations between CT Features, Clinical Characteristics, and PFS in Patients with BRCA-mutant HGSOC

A: Association between CT Features and PFS				
CT Feature Present	Reader 1		Reader 2	
	Hazard Ratio*	P Value	Hazard Ratio*	P Value
Ovary				
Ovarian mass	1.83 (0.25, 13.56)	.554	1.83 (0.25, 13.56)	.554
Irregular margins	0.67 (0.29, 1.53)	.343	1.03 (0.42, 2.48)	.953
Solid/predominantly solid architecture	1.19 (0.53, 2.67)	.665	1.27 (0.56, 2.88)	.562
Calcifications	1.44 (0.42, 4.95)	.560	1.95 (0.25, 15.06)	.520
Peritoneum				
Moderate to large ascites	1.28 (0.57, 2.85)	.551	1.01 (0.45, 2.25)	.985
Gallbladder fossa/left intersegmental fissure	0.94 (0.35, 2.51)	.902	0.76 (0.26, 2.21)	.611
Gastrohepatic ligament	2.01 (0.89, 4.53)	.092	1.57 (0.70, 3.52)	.272
Lesser sac	0.66 (0.28, 1.53)	.329	0.60 (0.26, 1.36)	.220
Left upper quadrant	0.84 (0.37, 1.87)	.663	1.10 (0.49, 2.50)	.814
Infiltrative PD pattern	1.28 (0.55, 2.98)	.564	0.94 (0.42, 2.09)	.870
Mesentery				
Mesenteric involvement	24.46 (5.22, 114.69)	<.001	24.46 (5.22, 114.69)	<.001
Lymphadenopathy				
Periportal	4.07 (1.48, 11.20)	.007	4.07 (1.48, 11.20)	.007
Supradiaphragmatic	3.14 (1.13, 8.72)	.028	3.14 (1.13, 8.72)	.028
Suprarenal para-aortic	1.77 (0.70, 4.48)	.226	2.58 (1.10, 6.06)	.029
B: Clinical characteristics				
	Hazard Ratio*		P Value	
Age at diagnosis (y)	1.01 (0.98, 1.05)		.435	
CA-125 level (U/mL)	1.0003 (1.00004, 1.00048)		.021	

* Data in parentheses are the 95% CIs.

Table E5. Univariate Analysis of the Associations between CT Features, Clinical Characteristics, and PFS in Patients with BRCA Wild-type HGSOC

A: Association between CT Features and PFS				
CT Feature Present	Reader 1		Reader 2	
	Hazard Ratio*	P Value	Hazard Ratio*	P Value
Ovary				
Ovarian mass	0.88 (0.46, 1.69)	.709	0.88 (0.46, 1.69)	.709
Irregular margins	1.44 (0.78, 2.66)	.240	1.02 (0.53, 1.95)	.959
Solid/predominantly solid architecture	1.57 (0.90, 2.73)	.112	1.63 (0.89, 2.99)	.111
Calcifications	2.29 (0.81, 6.49)	.119	2.47 (0.87, 7.03)	.091
Peritoneum				
Moderate to large ascites	1.24 (0.74, 2.10)	.415	1.11 (0.67, 1.86)	.680
Gallbladder fossa/left intersegmental fissure	1.45 (0.78, 2.68)	.240	1.21 (0.67, 2.19)	.531
Gastrohepatic ligament	1.03 (0.54, 1.99)	.920	1.03 (0.56, 1.90)	.933
Lesser sac	0.87 (0.47, 1.61)	.668	0.83 (0.46, 1.48)	.521
Left upper quadrant	1.63 (0.98, 2.71)	.060	1.50 (0.90, 2.51)	.119

Infiltrative PD pattern	1.58 (0.94, 2.65)	.081	1.14 (0.79, 1.59)	.650
Mesentery				
Mesenteric involvement	2.42 (1.45, 4.02)	<.001	2.61 (1.54, 4.42)	<.001
Lymphadenopathy				
Periportal	1.48 (0.76, 2.89)	.254	1.23 (0.66, 2.30)	.519
Supradiaphragmatic	1.31 (0.80, 2.14)	.281	1.29 (0.79, 2.10)	.306
Suprarenal para-aortic	1.20 (0.63, 2.31)	.581	1.35 (0.73, 2.49)	.335
B: Clinical characteristics				
	Hazard Ratio*		P Value	
Age at diagnosis (y)	1.00 (0.98, 1.03)		.983	
CA-125 level (U/mL)	1.00 (1.00, 1.00)		.343	

* Data in parentheses are the 95% CIs.