

S3 Table. Clinical information of patients

Tissue ID	Histological type	Age	Clinicopathologic stage	Follow-up time OS	OS (0=survival, 1=death)
201101623	HGSC, OV	56	III	50	0
201105937	HGSC, bilateral HGSC-OV	43	IIIc	48	0
201106046	HGSC, HGSC on the surface and in the omentum of bilateral ovary	60	IV	/	/
201110256	HGSC, HGSC infiltration in bilateral ovary	54	IIIc	42	1
201115028	HGSC, HGSC in right ovary	68	IIIc	15	0
201119151	CCC, CCC in bilateral ovary	59	I	40.5	0
201119229	HGSC in bilateral ovary with features of urothelium carcinoma	56	IIIc	40.5	0
201119290	HGSC-bilateral ovary	46	IIB	18	0
F201100037	HGSC, OV	55	IIIc	51	0
F201100235	HGSC, OV	49	IIIc	6	0
F201100402	HGSC, OV	76	IIIc	29	1
F201100409	HGSC, OV	43	IIB	49	0
F201100608	HGSC, OV	62	IIIc	37	1
F201100609	MC, Borderline Mucinous Ovarian Tumors in left ovary with focal intraepithelial carcinoma and small infiltration in stromal	67	Ic	48	0
F201100708	HGSC, bilateral HGSC-OV, undifferentiated carcinoma seen in some area	75	IIIc	48	0
F201100778	MC with necrosis, medium-high differentiation	57	IIIb	7	0
F201100838	MC, OV, medium-high differentiation; primary cancer from endometrium and ovary	49	I (ovarian), II (endometrial)	47	0
F201100854	HGSC, bilateral HGSC-OV	58	IIIc	47	0
F201100997	EC, OV, middle-differentiated endometroid adenocarcinoma with differentiating squamous carcinoma	45	Ia (Ovarian), IIIa (endometrial)	46	0

F201101097	HGSC, HGSC-OV in bilateral ovary	52	III	6	0
F201101371	HGSC, HGSC in ovary and oviduct	66	IIIc	/	/
F201101435	HGSC, HGSC in left ovary	49	IV	44.5	0
F201101447	HGSC, bilateral HGSC-OV	48	III	44	0
F201101471	HGSC and MC, serous-mucinous papillary cystadenocarcinoma in ovary	49	Ic	44.5	0
F201101557	Poor-differentiated adenocarcinoma, unclassified	60	I	43.5	0
F201101619	HGSC, bilateral HGSC-OV with differentiating to DNES	44	IV	15	0
F201101744	CCC, Ovarian CCC	43	IA	42.5	0
F201101811	MC	24	IA	42.5	0
F201101855	HGSC, HGSC in bilateral ovary	59	IIIc	42	0
F201101955	HGSC, HGSC in right ovary	57	II	42	0
F201101978	HGSC	46	IIIc	41.5	0
F201102044	bilateral ovarian malignant mixed Müllerian tumor, epithelial component is mostly high-grade serous adenocarcinoma with focal differentiating area to smooth muscle	60	IIIc		
F201102072	MC, borderline mucinous ovarian tumors in right ovary with cancerization in some area (middle-differentiated adenocarcinoma), with necrosis	62	IA	41.5	0
F201102276	MC, borderline serum-mucinous papillary cystadenocarcinoma with cancerization in some area (highly-differentiated serum adenocarcinoma)	88	IA	40.5	0
F201102338	Bilateral ovarian low-differentiated adenocarcinoma with formation of psammoma bodies	59	III	5	0
F201102418	bilateral ovarian HGSC	49	IIIc	16	1
F201102421	HGSC in left ovary	49	IA	39.5	0
201201355	HGSC, bilateral ovarian serum adenocarcinoma, middle-low differentiated	75	IV	38.5	0
201202790	HGSC, serum adenocarcinoma in bilateral ovary, middle-low differentiated	63	IIIC	38	0
201203563	HGSC, high-grade serum adenocarcinoma	62	III	38	0
201205042	HGSC, bilateral ovarian serum adenocarcinoma	63	IIIc	36.5	0
201213058	HGSC, high-grade serum adenocarcinoma in bilateral accessories	73	IIIc	21	1

201213290	HGSC, middle-differentiated serum adenocarcinoma in ovary	74	IIIc	32	0
201216274	Low-differentiated adenocarcinoma, Possible low-differentiated serum adenocarcinoma	33	IV	3	0
201219112	high-differentiated MC	56	IIIb	10	1
201220145	HGSC	57	IIIc	19	1
201220245	HGSC	50	IIIb	5	0
201221870	HGSC	64	IIIc	27.5	0
F201200194	HGSC	79	III	13	1
F201200243	HGSC, low-differentiated serum adenocarcinoma in right ovary	57	IIIB	38	0
F201200481	MC	42	Ia	36.5	0
F201200520	HGSC, middle-differentiated serum papillary cystadenocarcinoma	58	Ic	36.5	0
F201200588	MC	59	Ic	4	0
F201200783	MC	20	Ic	5	0
F201200871	CCC	57	Ic	30	1
F201201001	HGSC, low-differentiated serum adenocarcinoma in right ovary	75	IIIc	34.5	0
F201201007	CCC	50	IV	34.5	0
F201201164	HGSC, medium-differentiated serum adenocarcinoma in bilateral ovary	59	IIIc	5	0
F201201187	HGSC, bilateral ovarian serum adenocarcinoma, middle-differentiated	63	IIIc	17	1
F201201303	bilateral ovarian HGSC	60	IIIc	33	0
F201201531	HGSC, high-grade serum adenocarcinoma in bilateral ovary	56	IIIc	32	0
F201201648	HGSC and MC, borderline serum-mucinous papillary cystadenocarcinoma with cancerization components of HGSC and high- differentiated MC	57	IIIC	31.5	0
F201201734	HGSC	60	IIIC	20.5	1
F201201746,	HGSC in right ovary	42	IIIc	24	0
F201201764	HGSC+EC	60	Ic	31	0
F201201896	HGSC	50	IIIc	30	0
F201201939	Borderline serum-endometria cystadenocarcinoma	38	Ic	30	0

F201201945	HGSC	60	Ia	31	0
F201201960	MC with large area of necrosis	26	Ia	6	0
F201202102	CCC	61	IIIc	13.5	1
F201202118	HGSC	50	IV	30.5	0
F201202185	HGSC	57	IIIc	/	/
F201202250	HGSC in bilateral ovary	61	IIIb	21	1
F201202306	HGSC in bilateral ovary	54	IIIc	16	1
201300556	HGSC, with carcinoma tissue mostly on the surface	54	III	5	0
201304123	HGSC	61	IIIc	26.5	0
201307816	Middle-differentiated papillary HGSC	80	IIIc	26.5	0
201308398	HGSC	65	IIIc	26	0
201312221	MC	33	IA	12.5	0
201314100	Undifferentiated carcinoma, differentiating to neuroendocrine cell in left ovary	63	IV	25	0
201314640	Mixed MC-EC, middle-differentiated	66	Ia	16	1
201320209	CCC	51	Ic	22.5	0
201324435	HGSC on surface of bilateral ovary	54	IIIC	17	0
201326852	HGSC, pelvic disseminated, endometrial small tumor, widespread cancer embolus in vessels	51	IIIC	22	0
201327702	HGSC	62	IIIc	21.5	0
201333411	CCC with necrosis	52	Ic	20.5	0
201336443	LGSC	26	IIIC	18	1
201338595	LGMPSC and HGSC	56	IIIc	19	0
201340182	HGSC	60	IIIc	19	0
201342659	HGSC	57	IIIC	18.5	0
201343137	HGSC	62	III	18	0
201343346	EC with differentiating to squamous carcinoma	26	Ic	18	0
201345530	HGSC	46	IIIc or IV	/	/

201346512	Borderline endometrioid carcinoma with focal poor-differentiated adenocarcinoma	29	Ic	17.5	0
201351349	HGSC	58	IIIc	17	0
201352444	HGSC	64	III	17	0
201355862	HGSC	50	III	17	0
201357039	HGSC	57	IIIc	16	0
F201300419	CCC	50	Ic	6	0
F201300502	Low-differentiated adenocarcinoma and HGSC	45	IV	/	/
F201300523	LGSC	50	IIIc	24.5	0
F201300684	CCC	61	Ia	5	0
F201300710	CCC	49	Ia	23.5	0
F201300762	LGSC	36	Ia	1	0
F201300768	EC, highly-differentiated	55	II	23.5	0
F201301035	CCC	63	Ia	7	0
F201301058	HGSC+CCC	67	IIIc	20.5	0
F201301126	HGSC	68	IIIC	14	1
F201301222	MC, highly-differentiated	41	Ic	22	0
F201301327,	HGSC in bilateral ovary with chemotherapy reaction, after the second chemotherapy	65	above IIc	2	0
F201301618	EC, highly-differentiated	56	Ic	/	/
F201301748	MC	18	Ia	20	0
F201301758	EC	50	Ic	5	0
F201301968	HGSC	74	IIb	19.5	0
F201302436	Highly-differentiated EC	76	Ia	18	0
F201302595	Highly-differentiated MC	57	IIb	17	0
F201302618	Highly-differentiated MC	27	IIc	17.5	0
F201302644	HGSC	66	IIa	17	0
F201302659	HGSC	42	IIIc	17	0

F201302842	HGSC	43	IIIc	16	0
F201302894	HGSC	52	Ia	17	0
F201302895	HGSC	52	IIIc	15.5	0
201401943	HGSC	68	IIIc	15.5	0
201402163	HGSC	50	IIIc	15	0
201404067	HGSC	52	IIIc	14.5	0
201406454	HGSC	50	IIIc	14	0
201406455	malignant mesodermal mixed tumors, 80%: HGSC	72	IIIc	14	0
201406734	HGSC	52	IIIc	14	0
201407231	HGSC	58	IIIc	14	0
201411232	HGSC	55	IIc	5	0
201412772	HGSC	75	IIIc	13	0
201421680	LGSC	31	I	12	0
201421681	HGSC	63	IIc	5	0
201421949	Low-differentiated EC	50	IIIc	11	0
201429690	HGSC	68	IIIc	10	0
201431508	EC	84	Ic	10	0
201433629	HGSC	52	IIIc	9.5	0
201437476	HGSC	42	IIIc	9	0
201438226	HGSC	47	IIIc	8.5	0
201438514	HGSC	51	IIIc	8.5	0
F201400223	HGSC	52	III	7	0
F201400235	MC	59	IA	4	0
F201400276,	HGSC	52	IIc	15	0
F201400570	MC, High-Middle differentiated	57	Ia	3	0
F201400580	EC, High-Middle differentiated	39	Ic	6	0

F201400740	HGSC	49	IIIc	12.5	0
F201401155	Undifferentiated carcinoma	32	IIIC	4	1
F201401246	LGSC	39	IV	11	0
F201401478	MC	26	Ia	10	0
F201401559	High-grade adenocarcinoma (HGSC)	59	Ia	9.5	0
F201401941	MC, middle-differentiated	72	Ia	8.5	0
F201401970	Low-grade EC in ovary	50	IIc	8.5	0
F201402010	CCC	39	Ia	8	0
F201402044	HGSC	55	Ia	8	0
F201402156	LGSC	78	IIIB	7	0
201219284	CCC, after the second chemotherapy	58	IIIc	24	1
201418290	Low-differentiated ovarian adenocarcinoma, degree IIIc, after the 4th chemotherapy	62	IIIc	5	0
201412597	HGSC, after the 1st chemotherapy	68	IIIc	/	/
F201400554	High-grade serum adenocarcinoma in left ovary; after the 3rd chemotherapy	59	IIIc	4	0
201354791	Bilateral ovarian high-grade serum adenocarcinoma; after the 3rd chemotherapy	62	IIIc	5.5	0
201345063	Bilateral ovarian high-grade HGSC with chemotherapy reaction, after the 2nd chemotherapy	70	IIIc	14	0
201329725	Bilateral ovarian high-grade serum adenocarcinoma; after the 2nd chemotherapy	57	IIIc	2	0
201327524	Left ovarian high-grade serum adenocarcinoma; after the 2nd chemotherapy	69	IIIc	15	0
201314112	Bilateral ovarian HGSC, after the 1st chemotherapy	44	IIIc	7	0
201309323	Left ovarian HGSC, after the 1st chemotherapy	44	IIIc	5	0
201206761	Serum adenocarcinoma, middle-low differentiated, after chemotherapy	42	IIIc	7	0
201216808	Bilateral high-grade serum adenocarcinoma with differentiating to neuroendocrine cell, after the 6th chemotherapy	55	IV	27	0
201106664	Bilateral ovarian low-differentiated adenocarcinoma, tending to CCC, after the 3rd chemotherapy	62	IIIc	36	0
201103744	Low-differentiated adenocarcinoma with chemotherapy reaction, after chemotherapy	51	IV	18	0
201356775	HGSC with light chemotherapy reaction (Low effect of chemotherapy reaction)	46	IIIc	19	0

201342168	CCC with light chemotherapy reaction	59	IIc	9	0
201116691	HGSC, bilateral ovarian HGSC-OV	44	III	5	0
201115517	HGSC	53	IIIc	43.5	0
F201101596	HGSC, bilateral ovarian HGSC	57	IIIc	14	0

OS, overall survival; HGSC, high-grade serous carcinomas; OV, ovarian; CCC, clear cell carcinomas; MC, mucinous carcinomas; EC, endometrioid adenocarcinoma; DNES, diffuse neuroendocrine system; LGSC, low-grade serous carcinomas; LGMPSC, low-grade micropapillary serous carcinomas.