

Table S1 Clinical characteristics of patients with limited-stage SCLC (n=11,892)

Patient characteristics	Lobectomy + pCt + pRt (n=196)	Lobectomy + pCt (n=226)	Lobectomy alone (n=211)	Radiotherapy + chemotherapy (n=6,957)	Radiotherapy alone (n=464)	Chemotherapy alone (n=2,072)	None (n=1,766)
Age (years)							
≥70 (n=5,000)	59	92	101	2,399	273	1,022	1,054
<70 (n=6,892)	137	134	110	4,558	191	1,050	712
Gender							
Male (n=5,433)	83	105	96	3,184	197	959	809
Female (n=6,459)	113	121	115	3,773	267	1,113	957
Race							
White (n=10,244)	180	212	187	5,991	369	1,776	1,529
Others (n=1,638)	16	14	24	966	95	296	237
Year of diagnosis							
2006–2010 (n=5,582)	95	106	117	3,222	225	1,011	806
2011–2015 (n=6,310)	101	120	94	3,735	239	1,061	960
Laterality							
Left (n=4,971)	84	100	91	2,871	187	879	759
Right (n=6,921)	112	126	120	4,086	277	1,193	1,007
T_stage							
T1 (n=2,709)	99	125	116	1,541	136	372	320
T2 (n=2,386)	56	80	66	1,406	81	361	336
T3 (n=1,215)	11	6	11	761	44	193	189
T4 (n=5,582)	30	15	18	3,249	203	1,146	921
N_stage							
N0 (n=2,745)	79	159	164	1,297	166	419	461
N1 (n=1,179)	62	44	32	703	40	145	153
N2 (n=6,308)	54	23	15	3,887	206	1,167	956
N3 (n=1,660)	1	0	0	1,070	52	341	196

SCLC, small cell lung cancer; pCt, postoperative chemotherapy; pRt, postoperation radiotherapy.

Table S2 Clinical characteristics of patients with T1-4N0-2M0 SCLC (n=10,232)

Patient characteristics	Lobectomy + pCt + pRt (n=195)	Lobectomy + pCt (n=226)	Lobectomy alone (n=211)	Radiotherapy + chemotherapy (n=5,887)	Radiotherapy alone (n=412)	Chemotherapy alone (n=1,731)	None (n=1,570)
Age (years)							
≥70 (n=4,397)	59	92	101	2,077	248	870	950
<70 (n=5,835)	136	134	110	3,810	164	861	620
Gender							
Male (n=4,668)	83	105	96	2,702	175	781	726
Female (n=5,564)	112	121	115	3,185	237	950	844
Race							
White (n=8,848)	179	212	187	5,091	324	1,493	1,362
Black (n=949)	8	8	13	556	61	161	142
Others (n=435)	8	6	11	240	27	77	66
Year of diagnosis							
2006–2010 (n=4,872)	95	106	117	2,775	204	859	716
2011–2015 (n=5,360)	100	120	94	3,112	208	872	854
Laterality							
Left (n=4,245)	84	100	91	2,415	166	723	666
Right (n=5,987)	111	126	120	3,472	246	1,008	904
T_stage							
T1 (n=2,439)	98	125	116	1,355	129	319	297
T2 (n=2,118)	56	80	66	1,221	74	320	301
T3 (n=1,073)	11	6	11	672	41	163	169
T4 (n=4,602)	30	15	18	2,639	168	929	803
N_stage							
N0 (n=2,745)	79	159	164	1,297	166	419	461
N1 (n=1,179)	62	44	32	703	40	145	153
N2 (n=6,308)	54	23	15	3,887	206	1,167	956

SCLC, small cell lung cancer; pCt, postoperative chemotherapy; pRt, postoperation radiotherapy.

Table S3 Clinical characteristics of patients with stage IIIb (T3-4N2M0) SCLC (n=3,945)

Patient characteristics	Lobectomy + pCt + pRt (n=14)	Lobectomy + pCt (n=2)	Lobectomy alone (n=5)	Radiotherapy + chemotherapy (n=2,342)	Radiotherapy alone (n=133)	Chemotherapy alone (n=785)	None (n=664)
Age (years)							
≥70 (n=1,595)	7	1	2	724	66	385	410
<70 (n=2,350)	7	1	3	1,618	67	400	254
Gender							
Male (n=1,837)	7	0	3	1,077	62	374	314
Female (n=2,108)	7	2	2	1,265	71	411	350
Race							
White (n=3,368)	12	2	4	2,007	107	668	568
Others (n=577)	2	0	1	335	26	117	96
Year of diagnosis							
2006–2010 (n=1,858)	4	1	3	1,094	70	390	296
2011–2015 (n=2,087)	10	1	2	1,248	63	395	368
Laterality							
Left (n=1,557)	8	1	2	911	52	315	268
Right (n=2,388)	6	1	3	1,431	81	470	396
T_stage							
T1 (n=0)	–	–	–	–	–	–	–
T2 (n=0)	–	–	–	–	–	–	–
T3 (n=698)	3	0	1	457	21	114	102
T4 (n=3,247)	11	2	4	1,885	112	671	562
N_stage							
N0 (n=0)	–	–	–	–	–	–	–
N1 (n=0)	–	–	–	–	–	–	–
N2 (n=3,945)	14	2	5	2,342	133	785	664

SCLC, small cell lung cancer; pCt, postoperative chemotherapy; pRt, postoperation radiotherapy.