

Supplementary

Table S1 SIDE analysis

Comparison	k	prop	Network meta-analysis	Direct	Indirect	Difference	z	P value
Immunotherapy:Immunotherapy + Targeted Therapy	2	0.83	-0.49	-0.44	-0.73	0.28	0.22	0.82
Immunotherapy:Intrathecal Therapy	1	0.7	0.78	0.88	0.56	0.32	0.45	0.65
Immunotherapy:Radiotherapy	1	0.76	0.4	0.41	0.38	0.03	0.04	0.97
Immunotherapy:Systemic Therapy	1	0.7	0.75	0.54	1.24	-0.7	-1.01	0.31
Immunotherapy:Systemic Therapy + Radiotherapy	0	0	2.03	-	2.03	-	-	-
Immunotherapy:Targeted Therapy	2	0.95	0.93	0.88	1.98	-1.1	-0.8	0.42
Immunotherapy + Targeted Therapy:Intrathecal Therapy	0	0	1.27	-	1.27	-	-	-
Immunotherapy + Targeted Therapy:Radiotherapy	0	0	0.89	-	0.89	-	-	-
Immunotherapy + Targeted Therapy:Systemic Therapy	0	0	1.24	-	1.24	-	-	-
Immunotherapy + Targeted Therapy:Systemic Therapy + Radiotherapy	0	0	2.52	-	2.52	-	-	-
Immunotherapy + Targeted Therapy:Targeted Therapy	1	0.79	1.42	1.6	0.76	0.83	0.75	0.45
Intrathecal Therapy:Radiotherapy	1	0.81	-0.38	-0.47	0	-0.47	-0.73	0.47
Intrathecal Therapy:Systemic Therapy	2	0.99	-0.03	-0.05	1.79	-1.84	-1.06	0.29
Intrathecal Therapy:Systemic Therapy + Radiotherapy	0	0	1.24	-	1.24	-	-	-
Intrathecal Therapy:Targeted Therapy	1	0.8	0.15	0	0.77	-0.77	-1.19	0.23
Radiotherapy:Systemic Therapy	2	0.89	0.35	0.24	1.22	-0.98	-1.27	0.20
Radiotherapy:Systemic Therapy + Radiotherapy	1	0.79	1.63	2.02	0.15	1.87	1.06	0.29
Radiotherapy:Targeted Therapy	1	0.91	0.53	0.47	1.2	-0.73	-0.77	0.44
Systemic Therapy:Systemic Therapy + Radiotherapy	1	0.79	1.28	0.89	2.78	-1.89	-1.06	0.29
Systemic Therapy:Targeted Therapy	1	0.81	0.18	0.34	-0.46	0.8	1.25	0.21
Targeted Therapy:Systemic Therapy + Radiotherapy	0	0	1.09	-	1.09	-	-	-

Table S2 Fixed-effect model analysis

Treatment	Hazard ratio [95% CI]	z	P value
Immunotherapy	0.86 [-0.11; 1.82]	1.74	0.08
Immunotherapy + Targeted Therapy	1.37 [-1.26; 4.00]	1.02	0.31
Intrathecal Therapy	0.10 [-0.32; 0.52]	0.47	0.64
Radiotherapy	0.38 [-0.16; 0.92]	1.39	0.16
Systemic therapy	0.11 [-0.25; 0.46]	0.59	0.56
Systemic therapy + radiotherapy	-	-	-
Targeted therapy	0.07 [-0.41; 0.55]	0.29	0.77

	Systemic Therapy + Radiotherapy	Targeted Therapy	Intrathecal Therapy	Systemic Therapy	Radiotherapy	Immunotherapy	Immunotherapy + Targeted Therapy
Systemic Therapy + Radiotherapy		.	.	-0.89	-2.02	.	.
Targeted Therapy	-1.09		0	-0.34	-0.47	-0.88	-1.6
Intrathecal Therapy	-1.24	-0.15		-0.05	-0.47	-0.88	.
Systemic Therapy	-1.28	-0.18	-0.03		-0.24	-0.54	.
Radiotherapy	-1.63	-0.53	-0.38	-0.35		-0.41	.
Immunotherapy	-2.03	-0.93	-0.78	-0.75	-0.4		-0.44
Immunotherapy + Targeted Therapy	-2.52	-1.42	-1.27	-1.24	-0.89	-0.49	

Figure S1 Net league table of comparisons.