

Supplementary Table 3. Clinical characteristics of patients included in the discovery cohort..

UPN	Age (yrs)	Sex	Hans's classification	KPS	Involvement of deep brain	Deep brain lesions	Number of lesions	Altered mentation	Hemiparesis	Frontline treatment	Maximum tumor diameter	Relapse/refractory	Group	OS	PFS
1	32	male	GCB	80	Yes	(+)	multiple	(+)	(-)	HDMTX-based	25	(-)	NRG	1269+	1269
2	65	male	non-GCB	90	Yes	(+)	single	(-)	(-)	HDMTX-based	41	(-)	NRG	2933+	2933
3	83	female	non-GCB	50	Yes	(+)	multiple	(-)	(+)	HDMTX-based	60	(-)	NRG	74	74
4	74	female	non-GCB	80	Yes	(+)	single	(-)	(-)	HDMTX-based	30	(-)	NRG	1166	1166
5	78	male	non-GCB	50	Yes	(+)	single	(-)	(-)	HDMTX-based	42	(-)	NRG	3304+	3304
6	74	male	non-GCB	50	No	(-)	single	(-)	(+)	HDMTX-based	30	(-)	NRG	2316+	2316
7	68	male	non-GCB	50	Yes	(+)	multiple	(+)	(+)	HDMTX-based	39	(-)	NRG	208	208
8	65	male	non-GCB	50	No	(-)	single	(-)	(-)	HDMTX-based	20	(-)	NRG	958	958
9	73	male	non-GCB	60	Yes	(+)	multiple	(+)	(+)	HDMTX-based	35	(-)	NRG	1913+	1913
10	68	female	non-GCB	50	Yes	(+)	multiple	(-)	(-)	HDMTX-based	18	(-)	NRG	492	492
11	78	male	GCB	70	Yes	(+)	multiple	(-)	(-)	HDMTX-based	23	(-)	NRG	2026+	2026
12	71	male	non-GCB	70	Yes	(+)	multiple	(-)	(+)	HDMTX-based	30	(-)	NRG	1326	1326
13	62	female	non-GCB	70	No	(-)	single	(+)	(+)	HDMTX-based	36	(+)	RG	1986+	1082
14	76	male	non-GCB	40	Yes	(+)	single	(+)	(-)	HDMTX-based	40	(+)	RG	78	65
15	82	female	GCB	50	No	(-)	single	(+)	(+)	HDMTX-based	45	(+)	RG	170	73
16	67	male	non-GCB	40	Yes	(+)	multiple	(+)	(-)	HDMTX-based	40	(+)	RG	95	65
17	79	male	non-GCB	40	No	(-)	single	(+)	(+)	Other	39	(+)	RG	35	0
18	62	female	non-GCB	70	No	(-)	multiple	(+)	(+)	HDMTX-based	48	(+)	RG	868	609
19	72	female	non-GCB	30	Yes	(+)	single	(+)	(+)	HDMTX-based	61	(+)	RG	1093	728
20	78	female	GCB	50	Yes	(+)	single	(-)	(+)	HDMTX-based	38	(+)	RG	632	522
21	67	female	non-GCB	30	Yes	(+)	multiple	(+)	(-)	HDMTX-based	39	(+)	RG	81	43
22	62	female	non-GCB	40	No	(-)	multiple	(+)	(+)	HDMTX-based	48	(+)	RG	417	338
23	69	male	non-GCB	30	Yes	(+)	multiple	(+)	(+)	HDMTX-based	40	(+)	RG	339	62
24	69	male	non-GCB	60	Yes	(+)	multiple	(-)	(-)	HDMTX-based	20	(+)	RG	1108	386
25	62	female	GCB	60	Yes	(+)	multiple	(+)	(-)	HDMTX-based	25	(+)	RG	1655+	132
26	76	male	GCB	50	Yes	(+)	single	(+)	(+)	Other	38	(+)	RG	160	160
27	68	male	non-GCB	50	No	(-)	multiple	(+)	(-)	HDMTX-based	50	(+)	RG	1433	466
28	63	male	non-GCB	40	Yes	(+)	single	(+)	(+)	HDMTX-based	83	(+)	RG	266	266
29	66	male	non-GCB	50	Yes	(+)	multiple	(+)	(+)	HDMTX-based	20	(+)	RG	428	207
30	74	male	non-GCB	20	Yes	(+)	multiple	(+)	(+)	HDMTX-based	51	(+)	RG	311	297

GCB; germinal center B-cell-like, HDMTX; high-dose methotrexate, NRG; non-recurrence group, RG; recurrence group, "+" alive at the cutoff point