

SUPPLEMENTARY TABLES

SUPPLEMENTARY TABLE S1

	HR(95%CI)	p-value	N
ECOG	0.75 (0.40, 1.40)	0.36	63
Number of Mets	0.66 (0.34, 1.27)	0.21	63
Extracranial Disease Status		0.75	63
None	Reference		32
Present	0.81 (0.22, 2.94)		31
Total GPA score	2.12 (0.83, 5.40)	0.12	63
Radiological Edema Grade		0.76	62
0/1	Reference		17
2/3	1.28 (0.26, 6.28)		45
Target Volume cm3	1.00 (0.95, 1.06)	0.97	63

Supplementary Table S1. Univariate analysis of local failure for variables ECOG, number of intracranial metastases, status of extracranial disease, total GPA, radiological edema and target volume (ECOG: Eastern Cooperative Oncology Group; GPA: Graded Prognostic Assessment).

SUPPLEMENTARY TABLE S2

	Full Sample (n=63)	SRS (n=34)	Surgery (n=29)	p-value	StatTest
Gait imbalance pre treatment				<0.001	Fisher Exact
No	19 (30.2)	18 (52.9)	1 (3.4)		
Yes	44 (69.8)	16 (47.1)	28 (96.6)		
Imbalance 1st FU				0.18	Fisher Exact
No	39 (65.0)	23 (74.2)	16 (55.2)		
Yes	21 (35.0)	8 (25.8)	13 (44.8)		
Missing	3	3	0		
Imbalance 2nd FU				1.00	Fisher Exact
No	38 (76.0)	17 (73.9)	21 (77.8)		
Yes	12 (24.0)	6 (26.1)	6 (22.2)		
Missing	13	11	2		

Supplementary Table S2. Gait imbalance at three time points: pre-treatment, at first follow-up and at second follow-up (FU: Follow-Up).

SUPPLEMENTARY TABLE S3

	Full Sample (n=63)	SRS (n=34)	Surgery (n=29)	p-value	StatTest
Incoordination pre treatment				<0.001	Fisher Exact
No	31 (49.2)	27 (79.4)	4 (13.8)		
Yes	32 (50.8)	7 (20.6)	25 (86.2)		
Incoordination 1st FU				0.002	Fisher Exact
No	49 (81.7)	30 (96.8)	19 (65.5)		
Yes	11 (18.3)	1 (3.2)	10 (34.5)		
Missing	3	3	0		
Incoordination 2nd FU				0.35	Fisher Exact
No	46 (90.2)	23 (95.8)	23 (85.2)		
Yes	5 (9.8)	1 (4.2)	4 (14.8)		
Missing	12	10	2		

Supplementary Table S3. Incoordination at three time points: pre-treatment, at first follow-up and at second follow-up. (FU: Follow-Up)

SUPPLEMENTARY TABLE S4

	Full Sample (n=63)	SRS (n=34)	Surgery (n=29)	p-value	StatTest
ICP symptoms pre treatment				<0.001	Fisher Exact
No	28 (44.4)	22 (64.7)	6 (20.7)		
Yes	35 (55.6)	12 (35.3)	23 (79.3)		
ICP symptoms 1st FU				0.49	Fisher Exact
No	58 (96.7)	29 (93.5)	29 (100.0)		
Yes	2 (3.3)	2 (6.5)	0 (0.0)		
Missing	3	3	0		
ICP symptoms 2nd FU				1.00	Fisher Exact
No	50 (100.0)	23 (100.0)	27 (100.0)		
Yes	0 (0.0)	0 (0.0)	0 (0.0)		
Missing	13	11	2		

Supplementary Table S4. ICP symptoms at three time points: pre-treatment, at first follow-up and at second follow-up. (ICP: Intracranial Pressure, FU: Follow-Up)

SUPPLEMENTARY TABLE S5

	Full Sample (n=63)	SRS (n=34)	Surgery (n=29)	p-value	StatTest
ecog				0.12	Wilcoxon Rank Sum
Mean (sd)	1.9 (1.0)	1.7 (1.1)	2.1 (0.8)		
Median (Q1,Q3)	2 (1, 3)	2 (1, 2)	2 (2, 3)		
Range (min, max)	(0, 4)	(0, 4)	(1, 3)		
ECOG 1st FU				0.10	Wilcoxon Rank Sum
Mean (sd)	1.4 (1.1)	1.6 (1.3)	1.1 (0.9)		
Median (Q1,Q3)	1 (1, 2)	1 (1, 3)	1 (1, 1)		
Range (min, max)	(0, 4)	(0, 4)	(0, 3)		
Missing	3	3	0		
ECOG 2nd FU				0.003	Wilcoxon Rank Sum
Mean (sd)	1.1 (1.1)	1.7 (1.4)	0.6 (0.5)		
Median (Q1,Q3)	1 (0, 1)	1.0 (1.0, 2.5)	1 (0, 1)		
Range (min, max)	(0, 4)	(0, 4)	(0, 1)		
Missing	13	11	2		

Supplementary Table S5. ECOG before treatment, at first follow-up and at second follow-up (ECOG: Eastern Cooperative Oncology Group; FU: Follow-Up).