

Supplemental Table 1. Patient characteristics of cohort			
	Patients with ICM (n=10)	Patients without ICM (n=229)	Excluded (n=123)
Characteristic	n (%)	n (%)	n (%)
Alive	7 (70)	158 (69)	98 (79.7)
Male gender	8 (80)	122 (53.3)	66 (53.7)
Race			
African-American	0	16 (7)	3 (2.4)
Caucasian	8 (80)	122 (53.3)	58 (47.2)
Asian American	0	27 (11.8)	10 (8.1)
Latino	2 (20)	21 (9.2)	19 (15.5)
Other/unknown	0	43 (18.8)	33 (26.8)
Age at cancer diagnosis, median (IQR)	8.6 (7.5,13.3)	8.4 (4.2,12.5)	6.8 (3.2, 13.1)
Age at cranial radiation therapy, median (IQR)	9.7 (7.9,13.7)	8.7 (4.4,12.8)	7.1 (3.9, 13.8)
Tumor type			
Medulloblastoma	2 (20)	33 (14.4)	21 (17.1)
High-grade glioma	3 (30)	56 (24.5)	15 (12.2)
Low-grade glioma	2 (20)	43 (18.8)	14 (11.4)
Brainstem glioma	0	3 (1.3)	4 (3.3)
Retinoblastoma	0	19 (8.3)	24 (19.5)

ALL	0	1 (0.44)	10 (8.1)
Others	3 (30)	74 (32.3)	35 (28.5)
Tumor location			
Frontal	1 (10.0)	36 (15.7)	25 (20.3)
Parietal-occipital	1 (10.0)	17 (7.4)	2 (1.6)
Temporal	2 (20.0)	37 (16.2)	11 (8.9)
Posterior fossa	4 (40.0)	105 (45.9)	43 (35.0)
Face	1 (10.0)	12 (5.2)	4 (3.3)
Whole brain	0	6 (2.6)	13 (10.6)
Missing/unknown	1 (10.0)	16 (7.0)	25 (20.3)
Dose of radiation therapy (Gy), mean (sd)	55.2 (11.4)	56 (11.0)	49.6 (16.1)
Missing	0	2 (0.9)	22 (17.9)
Treatment with chemotherapy			
Treated	8 (80.0)	147 (64.2)	52 (42.3)
Missing	0	8 (3.5)	24 (19.5)

ALL: acute lymphoblastic anemia; SD: standard deviation