

Supplemental Table 1: Patient demographic and clinical characteristics for SEER cohort (n=360)

Demographic and clinical characteristics		Frequency (%)
Age (years)	<1	30 (8)
	1-4	149 (41)
	5-9	84 (23)
	10-14	51 (13)
	15-19	46 (13)
Gender	Male	206 (57)
Tumor grade	II	82 (23)
	III	278 (77)
Adjuvant XRT	Yes	241 (67)
	No	112 (31)
	Unknown	7 (2)

Supplemental Table 2: Histopathologic features of ependymomas at DFCI/BCH (n=48)

Histopathologic feature	Frequency (%)	
Architecture	Well differentiated	13 (27)
	Poorly differentiated	23 (48)
	Dedifferentiated	12 (25)
Necrosis	Yes	37 (77)
Vascular proliferation	Yes	29 (60)
P53 status	Positive	28 (58)
Bcl-2 status	Positive	42 (88)
MIB-1 LI	≥ 20.5	17 (35)
Topo-II alpha expression	≥ 9.4	14 (29)
Mitotic index	>10	8 (17)
Cyclin D expression	Positive	36 (75)