

**On-line Table: Standardized MRI characteristics of 22 ependymoblastoma cases**

Patient No.	Year	Age at Diagnosis (y)	Sex	Tumor Localization	Diameter CC (cm)	Diameter LR (cm)	Diameter AP (cm)	Tumor Volume (cm <sup>3</sup> )	Cysts	Periphery Cysts	Cysts Size	Hemorrhage	Signal Homogeneity <sup>a</sup>	Well-Defined Tumor Margin	T2 Signal	T2 Predominant T2 Signal	Edema	Edema Volume (cm <sup>3</sup> )	T1 Signal	T1 Predominant T1 Signal	Contrast Intensity	Contrast Homogeneity	% Enhancement (Solid Tumor)	Sialic Acid Measurement Provided	CHS Dissection (Stages)	Diffusion Restriction (DWI)	Confirmed By Low ADC	MR Spectroscopy Provided	CT Scan Provided	Calculations	
1	2008	183	F	Frontal cortex	4.4	4.3	5.2	49	No	No	—	Yes	PI	>90%	All	↑	No	—	↓	Strong	PH	PH	26%–30%	Yes	—	—	—	No	No	—	
2	2012	2	M	Frontal cortex	3.5	3.1	3	16	No	No	—	No	PI	>90%	All	↑	No	—	↓	—	—	—	—	—	Yes	Yes	—	Yes	No	—	
3	2012	0.33	M	Cerebellum	3.9	5.7	6.7	75	No	No	—	No	I	>90%	All	↑	No	—	↓	Mild	PH	PH	26%–50%	Inc.	—	Yes	—	No	No	—	
4	2012	1	F	Fourth ventricle	3.6	3.5	3.8	24	No	No	—	Yes	PI	50%–90%	All	↑	No	—	↓	Mild	PH	PH	26%–50%	Inc.	M3	Yes	Yes	No	No	—	
5	2012	2.92	M	Frontal cortex	5	3	4	30	Yes	Yes	<1cm	No	PI	50%–90%	All	↔	No	—	↔	↔	—	—	—	Yes	Yes	—	No	No	—		
6	2012	1.92	F	Parietal cortex	7.5	7.5	10.5	281	Yes	Yes	<1cm	Yes	I	50%–90%	All	↔	Yes	1	All	↔	Moderate	PH	PH	26%–50%	No	—	Yes	No	No	—	
7	2012	1	F	Fourth ventricle	4.6	4.3	3.8	38	Yes	No	<1cm	Yes	PI	>90%	All	↔	No	—	All	↓	—	—	—	Yes	Yes	—	No	No	—		
8	2013	2.92	M	Parietal cortex	4.2	3.8	3.2	26	No	No	—	Yes	PI	>90%	All	↔	No	—	All	↔	—	—	—	Yes	Yes	—	Yes	No	—		
9	2012	2.42	M	Frontal cortex	7.5	10.2	9.2	352	No	No	—	Yes	H	>90%	All	↑	No	—	↓	Moderate	PH	PH	1%–25%	Inc.	—	Yes	—	No	No	—	
10	2009	1.83	F	Parietal cortex	7	6.5	8	182	Yes	No	<1cm	Yes	PH	>90%	All	↑	No	—	↓	Moderate	PH	PH	1%–25%	Yes	—	—	—	No	No	—	
11	2008	2.25	F	ST related to ventricle	5.5	4.8	6.9	91	Yes	No	<1cm	Yes	I	>90%	All	↑	No	—	↔	↔	Mild	PH	PH	1%–25%	Yes	—	Yes	Yes	No	—	
12	2005	2.33	M	Frontal cortex	5.8	5.9	6.1	104	Yes	Yes	>1cm	Yes	PI	>90%	All	↔	No	—	↔	↔	Moderate	PH	PH	26%–30%	Inc.	M2+M3	Yes	—	No	Yes	No
13	2005	2.33	M	Parietal cortex	7.5	7	8.4	221	Yes	Yes	<1cm	Yes	I	>90%	All	↔	No	—	↓	Mild	H	H	1%–25%	Inc.	—	—	—	No	No	—	
14	2004	2.5	M	ST ventricle	5.7	6.7	7.7	147	No	No	—	Yes	I	>90%	All	↑	No	—	All	↔	Moderate	PH	PH	1%–25%	Inc.	—	—	No	Yes	Yes	—
15	2005	3.42	M	Parietal cortex	1.9	1.9	1.8	3	No	No	—	No	PH	>90%	↔	↔	No	—	↔	↔	—	—	—	Inc.	—	Yes	—	No	No	—	
16	2002	0.25	F	Fourth ventricle	6.6	3.4	3.7	42	Yes	No	<1cm	Yes	I	>90%	All	↔	No	—	↔	↔	Moderate	PI	PI	51%–75%	Inc.	M2+M3	—	—	No	No	—
17	2008	1.33	M	Brainstem	6.5	3.4	3.8	42	No	No	—	No	H	>90%	↔	↔	No	—	↓	Strong	PH	PH	1%–25%	Inc.	M3	Yes	Yes	No	Yes	No	
18	2005	1.92	M	Brainstem	3.2	3.2	3.1	32	No	No	—	Yes	PH	>90%	↑	↑	No	—	↓	Mild	PH	PH	1%–25%	Inc.	—	—	—	No	No	—	
19	2008	3.16	M	Parietal cortex	8.4	6.7	9.3	262	Yes	Yes	>1cm	Yes	I	>90%	All	↑	No	—	All	↓	Mild	PH	PH	1%–25%	Yes	—	—	No	Yes	Yes	—
20	2010	2.92	F	ST ventricle	6.4	6.9	6.7	148	No	No	—	Yes	PI	>90%	All	↔	No	—	↓	Strong	PI	PI	26%–50%	Yes	—	Yes	Yes	No	Yes	Yes	
21	2013	2.92	M	Parietal cortex	7.3	6.8	9.3	231	Yes	Yes	<1cm	Yes	I	>90%	All	↔	No	—	All	↔	Moderate	I	I	1%–25%	No	—	Yes	Yes	No	No	—
22	2013	3.42	M	Frontal cortex	6.1	6.8	6.2	129	Yes	Yes	<1cm	Yes	PI	>90%	All	↑	Yes	0.8	All	↓	Moderate	PH	PH	26%–50%	Inc.	—	—	No	No	No	—

**Note:**—All indicates all intensities present; AP, anteroposterior; CC, craniocaudal; H, homogeneous; I, inhomogeneous; Inc., incomplete; PH, predominantly homogeneous; PI, predominantly inhomogeneous; LR, left-right; ST, supratentorial; hyperintense; ↔, isointense; ↓, hypointense; —, not applicable.  
<sup>a</sup> In T1WI and T2WI.