

On-line Table 1: Clinical Demographics

Patient	Sex/Age	Indication for MR Imaging	Time between Exams (months)		MRI with SWI	MRI with T2* GRE	SWI: Field Strength (T)
			"0": Time of Reference Exam with SWI	SWI			
1	M/37	Hemorrhage of cavernous malformation right basal ganglia (follow-up)	-10/ -7/ -4/ 0		1	2	1.5
2	F/68	Aphasia, right hand paresis – transient ischemic attack	n/a		1	n/a	3
3	M/39	Subarachnoid hemorrhage	-10 (CT*)/ 0		1	n/a	1.5
4	F/73	Fluctuating sensorineural hearing loss	-3/ 0		1	n/a	1.5
5	M/66	Melanocytoma right orbit	0/ +4/ +9/ +15		1	n/a	1.5
6	F/41	Pituitary macroadenoma	-64/ -59/ -13/ -6/ 0/ +5		1	n/a	1.5
7	M/33	Migraine	n/a		1	n/a	3
8	F/44	Headache, possibly migraine	-7/ 0		1	1	3
9	F/34	Neuro-Behcet (follow-up)	-15/ -14/ -13/ -11/ -6/ 0/ +4/ +7/ +14		2	2	3
10	M/60	Atlantodental osteoarthritis	-37/ -36/ -6/ 0		1	n/a	3
11	F/42	Dizziness and migraine	n/a		1	n/a	3
12	F/46	Vertigo, Horner syndrome—brain stem stroke	n/a		1	n/a	1.5
13	F/72	Slowly progressive aphasia	-2/ 0		1	1	3
14	F/69	Cognitive deficits and depression, bilateral breast carcinoma	n/a		1	n/a	3
15	F/43	Migraine	-115/ 0		1	n/a	3
16	F/47	Vertebral artery dissection, Wallenberg syndrome, brain stem ischemia	0/ +11		1	n/a	3
17	F/36	Right facial dysesthesia, occipital headache	-7/ 0		2	n/a	1.5
18	M/44	PTLD with brain involvement after renal transplant (follow-up)	-35/ -33/ -30/ -27/ -25/ -23/ -20/ -16/ -12/ -7/ 0		2	n/a	1.5
19	F/31	Lymphangioleniomyomatosis	n/a		1	n/a	1.5
20	M/76	Left hemiparesis, stroke right middle cerebral artery	n/a		1	n/a	1.5
21	M/6	Paresis cranial nerves III/VI, oligodendroglioma right occipital lobe	0/ +2		1	n/a	3
22	F/43	Follow-up of enhancing pontine lesion	-35/ -33/ -30/ -24/ 0		1	2	1.5
23	F/64	Chronic meningitis, follow-up	-14/ -10/ -9/ -7/ -3/ 0		1	n/a	1.5
24	F/85	Transient right hemiparesis, embolic stroke	n/a		1	n/a	3
25	M/31	Transient left incomplete ophthalmoplegia	-15/ 0		1	n/a	1.5
26	F/65	Spastic paraparesis, cervical myelopathy	n/a		1	n/a	3
27	F/86	Bilateral arm weakness, possible transient ischemic attack	-95/ 0		1	n/a	3

Note:—n/a indicates not available; PTLD, post-transplant lymphoproliferative disorder.

On-line Table 2: MR imaging characteristics of BCTs: location, size, presence of a prominent vessel, and MR signal intensity

Patient	Location	Size (mm) T1	Size (mm)	Prominent	DWI	ADC	T1	T2	FLAIR	SWI	Enhancement
		Postcontrast	SWI	Vessel							
1	Lower pons	4.5	4.5	No	±	±	±	+	+	-	+
1	Lower pons	2.5	2	No	±	±	±	±	±	-	+
1	Mid pons	1.5	1.5	No	±	±	±	±	±	-	+
1	Cingulate gyrus	3	3	No	±	±	±	±	±	-	+
2	Lower pons	5	4.5	No	±	±	N/A	±	N/A	-	+
3	Lower pons	4	5	Yes	-	±	±	±	±	-	+
3	Mid pons	2	3	Yes	-	±	±	±	±	-	+
4	Upper pons	6	7	Yes	-	+	±	+	±	-	+
4	Upper pons	3	5	No	-	+	±	±	±	-	+
5	Substantia innominata	5	5	No	N/A	N/A	±	±	N/A	-	+
6	Mid pons	4	4	Yes	N/A	N/A	±	±	N/A	-	+
7	Cingulate gyrus	5	4.5	No	-	±	-	±	±	-	+
8	Upper pons	11	12	Yes	-	Artifacts	-	+	±	-	+
9	Lower pons	5	4	Yes	-	Artifacts	-	±	±	-	+
10	Lower pons	4	6	No	Artifacts	Artifacts	-	±	±	-	+
11	Basal ganglia	7	8	Yes	-	+	N/A	±	N/A	-	+
12	Occipital WM	3	3.5	No	±	±	N/A	±	N/A	-	+
13	Insula	4	5	Yes	-	±	±	±	±	-	+
14	Lower pons	5	5	No	-	Artifacts	-	±	±	-	+
15	Pons	17	18	Yes	-	+	-	+	±	-	+
16	Lower pons	4	3	No	Artifacts	Artifacts	±	±	N/A	-	+
17	Lower mid pons	3	2.5	No	±	±	±	+±	N/A	-	+
18	Left putamen	6	6	No	-	+	-	+	±	-	+
19	Upper pons	3	3	No	±	±	±	+±	±	-	+
20	Lower pons	11	11	No	-	±	±	+	+	-	+
21	Lower pons	5	5.5	No	-	+	-	±	N/A	-	+
22	Lower pons	6	7	No	±	Artifacts	±	+	+	-	+
22	Lower pons	4	4	No	±	Artifacts	±	+	+	-	+
23	Mid pons	3	4	No	±	±	±	±	±	-	+
24	Upper pons	4	3	No	±	±	±	±	±	-	+
25	Left putamen	4	4	No	±	±	+±	±	±	-	+
26	Lower pons	4	4	Yes	±	±	±	±	±	-	+
27	Lower pons	2.5	3	No	±	±	N/A	±	N/A	-	+

Note:—+ indicates hyperintense; ±, isointense; -, hypointense; N/A, not available.

On-line Table 3: MR imaging of BCT: review of the literature^a

Journal, Year	Authors	No. of Cases	No. of Lesions	Location	Size	Draining Vessels	MR Imaging Sequences	Follow-Up Imaging	Histology	Associated Vascular Malformations
<i>AJNR</i> , 1996	Barr et al ²	12	12	Pons	3–17 mm	8	T2, T1, T1 + C (12/12), GRE (7/12)	3 wk–40 mo (mean 11.5 mo)	N/A	N/A
<i>Radiology</i> , 1997	Lee et al ¹	18	19	Pons 16, medulla 1, supratentorial 2	3–20 mm	3	T2, T1, T1 + C, GRE (18/18)	3–82 mo (median 11 mo, 14 of 18 cases)	N/A	Multiple cavernous angiomas (<i>n</i> = 2); DVA (<i>n</i> = 2)
<i>J Neuroradiol</i> , 1999	Auffray-Galvier et al ⁷	7	9	Pons	N/A	1	T2, T1, T1 + C, T2* in 5/7 cases	6 wk–5 yr (6 of 7 cases)	N/A	1 DVA
<i>Eur Radiol</i> , 2000	Kükler et al ⁸	4	4	Pons	N/A	1	T2, T1, T1 + C, FLAIR	2, 4, 6 wk (3 of 4 cases)	N/A	1 DVA
<i>AJNR</i> , 2001	Castillo et al ²⁴	1	1	Basal ganglia	N/A (large)	–	T2, T1, T1 + C, FLAIR	N/A	Biopsy	N/A
<i>J Comput Assist Tomogr</i> , 2006	Yoshida et al ⁶	1	1	Pons	7 mm	–	T2, T1, T1 + C, T2*, SWI	N/A	N/A	N/A
<i>Eur J Radiol</i> , 2010	Finkenzeller et al ²³	18	18	Pons	N/A	4	T2, T1, T1 + C, FLAIR, DWI	N/A	N/A	N/A
<i>Neurol India</i> , 2010	Pendharkar et al ⁵	1	1	Pons	N/A	1	T1 + C, SWI	N/A	N/A	Cavernous angioma (<i>n</i> = 1)
<i>J Neurosurg</i> , 2010	Sayama et al ⁹	105	105	Supra- and infratentorial BCTs	Variable, including 7 large (>1 cm) BCTs	N/A	N/A	N/A	Available in 1 case, BCT in right basal ganglia	N/A

Note:—N/A indicates not available; –, absent; +C, with contrast medium.
^aSeries \geq 4 cases.