

Online Supplemental Data

Tables

Online Table 1: Total patients of spinal vascular malformations

Case No.	Age (yr)/ Sex	Duration of Symptoms (mo)	Type	Nidus/fistula (Extension)	Feeding artery	Drainage vein (Extension)
1	45, M	12	AVM	T6-7	R T8	C6-T12
2	38, M	12	AVF	T6-11	R T6	T4-11
3	23, F	1	AVF	T12-L1, L4	L T9	T12-conus
4	33, F	72	AVM	C7-T2	L Subclavian Artery	Basalis-C6
5	33, M	84	AVM	C7-T2	L Thyrocervical Trunk	Basali-C4
6	27, M	2	AVF	C4-5	R Vertebral Artery	Basalis-T3
7	55, F	9	AVF	L2	R L2	T3-conus
8	51, F	4	AVM	R T11-12	R T11	T3-conus
9	28, F	1	AVM	T12	L T10	T9-conus
10	44, M	1	AVF	Basalis	R Middle Meningeal Artery	Basalis-conus
11	34, M	48	AVM	C6	R Vertebral Artery	Basalis-C7
12	20, F	1	AVF	C5-6	Bilateral Subclavian Arteries, R Vertebral Arteries	Basalis-C6
13	56, M	4	AVF	R T7	R T7	T7-10
14	62, F	3	AVF	Basalis	R Vertebral Artery	Basalis-T7
15	71, M	120	AVF	Basalis-C1	R Vertebral Artery, R External Carotid Artery	Basalis-C6
16	63, M	240	AVM	T11	R L1, L T9	T1-conus
17	43, F	72	AVM	T12-L1	L T10, L2	Basalis-conus
18	48, M	6	AVF	T8-9	R T8	Basalis-T10
19	60, M	1	AVF	T11-12	L T12	T8-11
20	32, F	1	AVM	C5-7	R Thyrocervical Trunk	Basalis-C7
21	44, M	0.5	AVF	Basalis	R Vertebral Artery	Basalis-C1
22	59, M	24	AVF	L1	L L1	T9-conus

Note:—R indicates right; L, left.

Online Table 2: The scoring of lesion visualization and localization of SVMs by different readers

	Reader 1	Reader 4	P value
<i>MPR-CTA</i>			
Visualization of lesions (total points)	4.00 (1.25)	6.00 (1.00)	0.001*
Nidus/fistula	2.00 (0.25)	2.00 (0.00)	0.025*
Feeding artery	1.00 (2.00)	2.00 (0.25)	0.003*
Drainage vein	2.00 (0.00)	2.00 (0.00)	0.317
Localization of lesions (total points)	4.50 (2.00)	6.00 (0.00)	0.003*
Nidus/ fistula	2.00 (0.00)	2.00 (0.00)	0.066
Feeding artery	1.00 (2.00)	2.00 (0.00)	0.018*
Drainage vein	2.00 (0.00)	2.00 (0.00)	0.083
Overall morphology	4.00 (1.00)	4.00 (0.00)	0.025*
<i>RBS-CTA</i>			
Visualization of lesions (total points)	3.50 (3.00)	3.50 (3.00)	0.353
Nidus/ fistula	1.50 (1.00)	2.00 (1.00)	0.258
Feeding artery	1.00 (2.00)	1.00 (1.25)	0.527
Drainage vein	1.00 (1.00)	1.00 (1.00)	0.581
Localization of lesions (total points)	2.25 (3.00)	3.00 (2.50)	0.178
Nidus/ fistula	1.00 (0.63)	1.00 (1.00)	0.079
Feeding artery	0.00 (1.25)	1.00 (2.00)	0.088
Drainage vein	1.00 (1.25)	1.00 (1.00)	0.149
Overall morphology	2.50 (1.25)	3.00 (2.00)	0.070
<i>SSBBF-CTA</i>			
Visualization of lesions (total points)	6.00 (1.00)	6.00 (1.00)	0.705
Nidus/ fistula	2.00 (0.00)	2.00 (0.00)	0.317
Feeding artery	2.00 (0.25)	2.00 (0.00)	0.157
Drainage vein	2.00 (0.00)	2.00 (0.00)	0.157
Localization of lesions (total points)	6.00 (1.00)	6.00 (1.00)	0.206
Nidus/ fistula	2.00 (0.00)	2.00 (0.00)	0.180
Feeding artery	2.00 (1.00)	2.00 (0.00)	0.046*
Drainage vein	2.00 (0.00)	2.00 (0.00)	0.157
Overall morphology	4.00 (0.25)	4.00 (0.13)	0.655

Note:—The data are presented as median (IQR). Reader 1 = a junior undergoing training radiologist with 1 year of experience, Reader 4 = a practicing radiologist with 4 years of experience, SVMs = spinal vascular malformations, MPR-CTA = multiplanar reconstruction CTA, SSBBF-CTA = spinal subtraction and bone background fusion CTA, RBS-CTA = routine bone subtraction CTA.

* There is a significant statistical difference between Reader 1 and Reader 4 ($P < 0.05$).