SUPPLEMENTAL MATERIAL

Prediction of Stroke Subtype and Recanalization Using Susceptibility Vessel Sign on Susceptibility Weighted MRI

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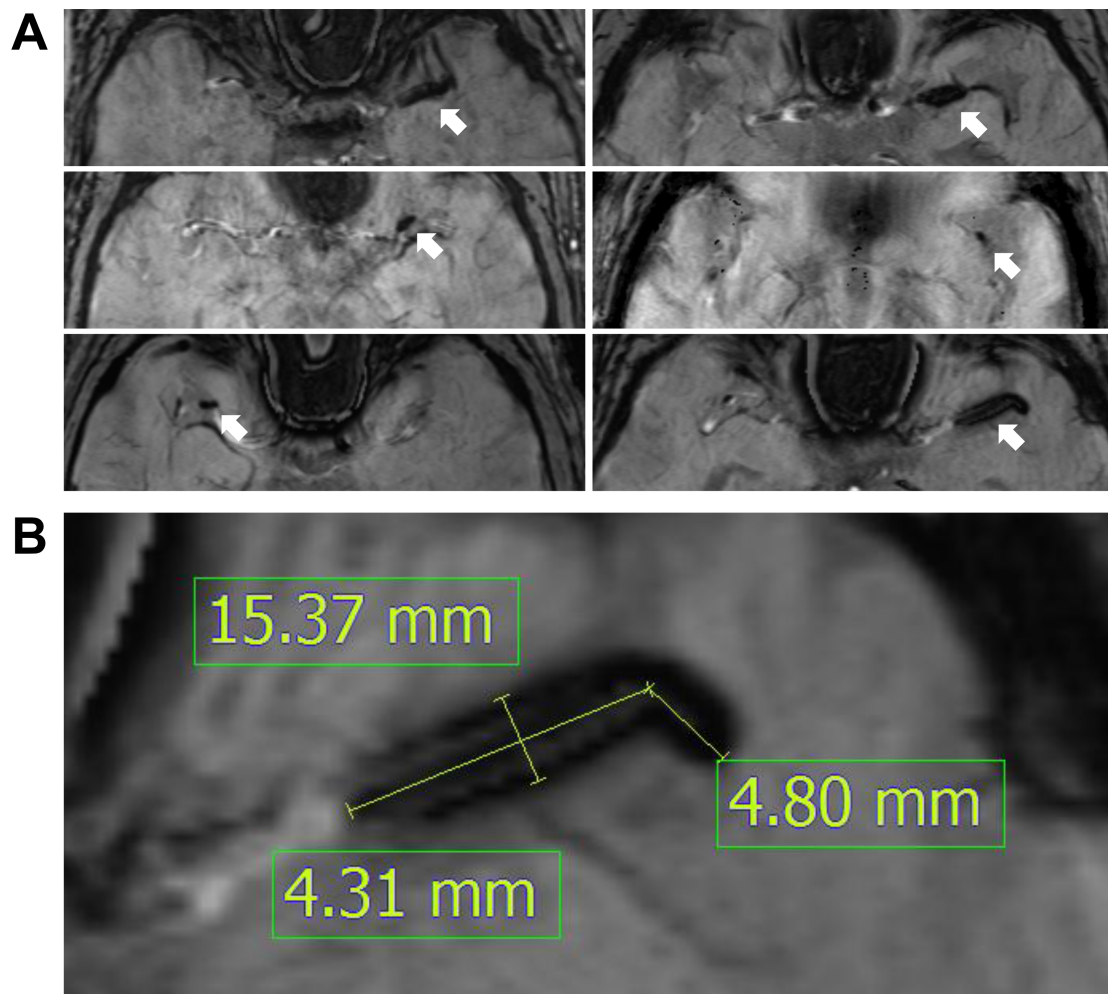Tel.: +82-2-2072-1014

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Supplemental Table I - Clinical and imaging characteristics according to different MR scanners.

	MR machine			
	Verio	**Discovery**	**Signa**	
	3T SWI	**3T SWAN**	**1.5T SWAN**	
Variables	**(n = 60)**	**(n = 14)**	**(n = 15)**	*P* value
Demographics				
Age	69 ± 12	64 ± 17	72 ± 14	0.24
Females	29 (48%)	3 (21%)	10 (67%)	0.05
Risk factors				
Hypertension	36 (60%)	5 (36%)	13 (87%)	0.02
Diabetes	19 (32%)	5 (36%)	6 (40%)	0.82
Hyperlipidemia	17 (28%)	6 (43%)	5 (33%)	0.57
Atrial fibrillation	29 (48%)	6 (43%)	12 (80%)	0.06
Ever smoking	17 (28%)	5 (26%)	1 (7%)	0.15
Previous stroke or TIA	14 (23%)	7 (50%)	3 (20%)	0.28
SVS parameters				
SVS presence	47 (78%)	9 (64%)	13 (87%)	0.34
SVS diameter (mm)	3.9 ± 2.5	3.7 ± 3.3	4.2 ± 4.2	0.23
SVS length (mm)	10.1 ± 8.1	7.6 ± 6.9	10.0 ± 8.1	0.94
SVS volume (mm^3)	239.5 ± 265.0	244.9 ± 309.7	218.8 ± 265.1	0.96
Site of Occlusion				0.63
ICA-T	12 (20%)	4 (29%)	2 (13%)	
MCA M1	38 (63%)	6 (43%)	10 (67%)	
MCA M2 or ACA	10 (17%)	4 (67%)	3 (20%)	
Stroke Subtype				0.51
Cardioembolism	37 (62%)	7 (50%)	13 (87%)	
Large artery atherosclerosis	17 (28%)	5 (36%)	2 (13%)	
Other determined	4 (7%)	1 (7%)	0 (0%)	
Undetermined	2 (3%)	1 (7%)	0 (0%)	
Recanalization	47 (78.3%)	12 (85.7%)	11 (73.3%)	0.72
Admission NIHSS	15.5 [9.25, 19]	13 [7.75, 16.25]	15 [11, 18]	0.34
Stent-retriever use	45 (75%)	10 (71%)	14 (93%)	0.26
IV rt-PA- yes	26 (43%)	5 (36%)	4 (27%)	0.48
IV rt-PA to MRI (min)	46 ± 24	49 ± 6	24 ± 25	0.31
Symptom onset to puncture (h)	5.6 ± 2.7	5.7 ± 4.7	7.0 ± 3.7	0.36
Puncture to recanalization (min)	40 ± 33	42 ± 30	34 ± 35	0.74

Supplemental Figure I – Variable size of SVSs and their measurement on SWMRI.

A. Variable size of SVSs were shown on SWMRI. **B.** The SVS length between the proximal and distal parts of the SVS was measured. The SVS diameter was obtained by measuring the largest transverse distance perpendicular to the SVS length.

Supplemental Figure II – Distribution of the SVS diameter and length (n = 89) in this study.