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SUPPLEMENTAL TABLES

Table I. MRI protocol in U.S. and China

A. Philips scanners at the University of Washington in the U.S. and Tsinghua University in China

	Intracranial			Carotid		
	TOF	**3D- T1 VISTA**	**SNAP**	**TOF**	**3D- MERGE**	**SNAP**
TR, msec	25	700	10	25	10	10
TE, msec	4	26	5	4	4	5
FOV, cm	20x16	18x18	20x16	16x16	25x16	25x16
Resolution, mm^2	0.6x0.6	0.8x0.8	0.8x0.8	0.63x0.63	0.8x0.8	0.8x0.8
Slice Thickness, mm	1.4	0.8	0.8	1.0	0.8	0.8
Fat Suppression	No	Yes	Yes	No	Yes	Yes

TOF: time-of-flight; SNAP: simultaneous non-contrast angiography and intra-plaque hemorrhage image

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B. Siemens scanner at Tiantan Hospital in China

	Intracranial			Carotid		
	TOF	3D-T1 SPACE	MPRAGE	TOF	3D-T1 SPACE	MPRAGE
TR, msec	22	800	13	21	800	13
TE, msec	4	22	4	5	22	4
FOV, cm	20x15	18x18	23x23	27x40	18x18	14x14
Resolution, mm^2	0.63x0.63	0.8x0.8	0.8x0.8	0.6x0.6	0.8x0.8	0.8x0.8
Slice Thickness, mm	1.2	0.8	0.8	1.0	0.8	0.8
Fat Suppression	No	Yes	Yes	No	Yes	Yes

TOF: time-of-flight; MPRAGE: magnetization-prepared rapid acquisition gradient-echo

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Table II. Plaque component definition

	TOF	3D- T1 VISTA / MERGE/ SPACE	SNAP/ MPRAGE
LRNC	o	– / o	– / o
IPH	**+**	**+**	**++**
Calcification	**–**	**–**	o
Luminal Surface Disruption	Luminal surface is irregular		

TOF: time-of-flight; SNAP: simultaneous non-contrast angiography and intra-plaque

hemorrhage image; MPRAGE: magnetization-prepared rapid acquisition gradient-

echo; LRNC: lipid-rich necrotic core; IPH: intra-plaque hemorrhage

The plaque component definition is based on the following signal intensities: + =

hyper-intense, o = iso-intense, - = hypo-intense

Table III. Comparison of Clinical Risk Factors between Subjects with and without HRP Features in extracranial carotid and intracranial arteries

	Extracranial Carotid Artery			Intracranial Artery		
	HRP (+) (n=20)	HRP (-) (n=61)	P-value	HRP (+) (n=7)	HRP (-) (n=74)	P-value
Age, y	62 (50-83)	58 (36-100)	0.051	57 (51-73)	60 (36-100)	0.89
Sex, male	15 (75.0)	43 (70.5)	0.78	6 (85.7)	52 (70.3)	0.67
BMI, kg/m^2	25.3 (16.7-39.9)	25.8 (19.8-38.4)	0.85	24.8 (21.0-26.8)	25.4 (16.7-39.9)	0.43
Current smoker	7 (35.0)	24 (39.3)	0.80	1 (14.3)	30 (40.5)	0.24
Hypertension	12 (60.0)	43 (70.5)	0.42	7 (100.0)	48 (64.9)	0.09
Hyperlipidemia	12 (60.0)	29 (47.5)	0.44	4 (57.1)	37 (50.0)	>0.99
Diabetes	3 (15.0)	19 (31.1)	0.25	3 (42.9)	19 (25.7)	0.38
Coronary heart disease	6 (30.0)	16 (26.2)	0.78	3 (42.9)	19 (25.7)	0.38
On Statins prior to recent	8 (40.0)	17 (27.9)	0.40	4 (57.1)	21 (28.4)	0.19

symptoms

Values are number with percentage or median (range)

HRP: high-risk plaque; BMI: body mass index