eTable 1

Cohort	**Included patients N**	**Included aneurysms N**
Paris, France†		
Centre Hospitalier Sainte-Anne	125	142
Hiroshima, Japan		
Hiroshima City Asa Citizens Hospital	89	115
Southampton, United Kingdom		
University Hospital Southampton NHS Foundation Trust	67	98
Utrecht, The Netherlands‡		
University Medical Centre Utrecht	76	87
Washington, United States of America		
University of Washington School of Medicine	18	26
San Francisco, United States of America		
University of California San Francisco	23	26
Bejing, China		
Capital Medical University Xuanwu Hospital	21	26
Tsinghua University[c]	3	3
Hiroshima, Japan		
Hiroshima University	9	12
Shanghai, China		
Changhai Hospital	11	11
Ren Ji Hospital	3	3
Zhengzhou, China		
The First Affiliated Hospital of Zhengzhou University	10	10

† 125 patients from Paris were previously described in the study by Gariel et al (Stroke 2020; 129 patients). Patients with >15 mm were excluded for the current study. Moreover, morphological change was not considered as an outcome event in the current study.

‡ 48 patients from Utrecht were previously described in the study by Vergouwen et al (AJNR 2019; 57 patients). Patients with CTA follow-up were excluded for the current study.

§ 3 patients from Bejing were previously described in the study by Qi et al (AJNR 2019; 29 patients). Patients without follow-up were excluded for the current study.

eTable 2	Imaging parameters of the cohorts (1/2)						
Cohort	**Centre Hospitalier Sainte-Anne**	**Hiroshima City Asa Citizens Hospital**	**University Hospital Southampton NHS Foundation Trust**	**University Medical Centre Utrecht**			**University of Washington School of Medicine**
Vendor	GE Healthcare	GE Healthcare	Siemens	Philips	Philips	Philips	Siemens
Magnet strength	3T	1.5T	3T	3T	3T	7T	3T
Acquired spatial resolution (mm)	0.9×0.9×1	1x1x1	0.5x0.5x0.5	0.5 x 0.5 x 1	0.6 x 0.6 x 1	0.6x0.6x0.6	0.56x0.56x0.56
Reconstructed spatial resolution (mm)	0.45×0.45×0.5	1x1x1	0.5x0.5x0.5	0.5x0.5x0.5	0.5 x 0.5 x 0.5	0.6x0.6x0.6	0.56x0.56x0.56
Time between gd injection and start AWI gd (min)	1	1:30	2	5	5	4:30	5
Acquisition time of vessel wall imaging (min)	4:16	3:39	8	8:03	6	8:03	8:08 (T1 SPACE); 5:11 (DANTE CAIPI)
Pulse sequence type	3DT1- CUBE FastSpinEcho with variable refocussing flip angle	3D FSE CUBE	3DT1-FastSpinEcho with variable flip angle train	3D multishot turbo spin-echo sequence	3D multishot turbo spin-echo sequence	Turbo field echo	3DT1 SPACE with variable refocussing flip angle; 3D turbo spin-echo sequence
Repetition time (ms) Echo time (ms)	600 11.5	550 10	938 24	1.500 36	1500 32.4	8.2 4.4	1100 11
Flow-suppression method	Black blood	Black blood	Black blood	Black blood Anti drive pulse with tissue specific refocussing control	Black blood Anti drive pulse with tissue specific refocussing control	Black blood	non-DANTE T1 space; DANTE
Neuro-radiologists' experience	≥15 years	>25 years	>20 years	>10 years	>15 years	>10 years	≥19 years

Abbreviations: gd = gadolinium; AWI = aneurysm wall imaging; DANTE = Delay Alternating with Nutation for Tailored Excitation.

eTable 2	Imaging parameters of the cohorts (2/2)						
Cohort	**University of California San Francisco**	**Capital Medical University Xuanwu Hospital**	**Tsinghua University**	**Hiroshima University**	**Changhai Hospital**	**Ren Ji Hospital**	**The First Affiliated Hospital of Zhengzhou University**
Vendor	Siemens	Siemens	Philips	Philips	Siemens	Siemens	Siemens
Magnet strength	3T	3T	3T	3T	3T	3T	3T
Acquired spatial resolution (mm)	0.5x0.5x0.5	0.6x0.6x0.7	0.6x0.6x0.6	0.98x 0.99 x 1	0.5x0.5x0.5	0.6x0.6x0.6	0.6x0.6x0.6
Reconstructed spatial resolution (mm)	0.5x0.5x0.5	0.6x0.6x0.7	0.6x0.6x0.6	0.46x0.46 x0.5	0.5x0.5x0.5	0.6x0.6x0.6	0.6x0.6x0.6
Time between gd injection and start AWI gd (min)	2	2	6	5	2	2	2
Acquisition time of vessel wall imaging (min)	9:58	8:14	4:23	4:42	8	9:13	7:36
Pulse sequence type	3D SPACE (turbo spin echo with variable flip angle train)	3D SPACE (turbo spin echo with variable flip angle train)	3D VISTA (turbo spin echo with variable flip angle train)	3D multishot turbo spin-echo sequence	3D SPACE (turbo spin echo with variable flip angle train)	3D SPACE (turbo spin echo with variable flip angle train)	3D SPACE (turbo spin echo with variable flip angle train)
Repetition time (ms) Echo time (ms)	1000 17	900 20	700 30	400 13	900 5.6	1000 15	800 14
Flow-suppression method	Black blood	Black blood	Black blood	Black blood, MSDE	Black blood	Black blood	Black blood
Neuro-radiologists' experience	>10 years	>10 years	>10 years	>10 years	>10 years	>10 years	>10 years

Abbreviations: gd = gadolinium; AWI = aneurysm wall imaging; MSDE = motion-sensitized driven-equilibrium