

Supplementary Table S1 Morphologic measurements and corresponding ICC values with 95% CI of intra- and inter-observer agreement, and scan repeatability for each 3D sequence.

	Inter-observer (n=84)		Intra-observer (n=84)		Inter-scan (n=84)	
	1 st scan, 1 st observer	1 st scan, 2 nd observer	1 st scan, 1 st observer, 1 st (mean ± SD)	1 st scan, 1 st observer, 2 nd measurement	1 st scan, 2 nd observer (mean ± SD)	2 nd scan, 2 nd observer (mean ± SD)
	ICC		ICC		ICC	
	(95% CI)		(95% CI)		(95% CI)	
	(mean ± SD) ^a					
Lumen area (mm²)						
Whole-brain	7.174±4.314	6.557±3.950	0.97	7.174±4.314	6.936±4.100	0.99
	(0.94-0.99)					
	(0.98-0.99)					
Targeted	8.370±4.569	8.064±7.809	0.81	8.370±4.569	8.27±5.11	0.96
	(0.64-0.90)					
	(0.93-0.98)					
Vessel wall area (mm²)						

	12.47±6.67	13.45±7.14	0.98 (0.94-0.99)	12.47±6.67	12.76±6.77	0.99 (0.97-0.99)	13.45±7.14	13.24±6.34	0.99 (0.96-0.99)
Whole-brain									
Targeted	12.44±6.46	12.97 ±6.72	0.95 (0.91-0.98)	12.44 ±6.46	12.51 ±6.45	0.99 (0.98-0.99)	12.97 ±6.72	13.91±6.94	0.97 (0.94-0.99)
Lumen volume (mm ³)									
Whole-brain	35.80±37.56	32.65±33.53	0.99 (0.94-0.99)	35.80±37.56	34.39±35.05	0.99 (0.99-0.99)	32.64±33.53	32.35±33.29	0.99 (0.97-0.99)
Targeted	31.77±32.51	27.79±31.43	0.96 (0.93-0.98)	31.77±32.51	32.11±37.39	0.99 (0.94-0.99)	27.79 ±31.43	27.65 ±30.89	0.99 (0.99-0.99)
Vessel wall volume (mm ³)									
Whole-brain	63.40±65.57	67.01±72.05	0.99 (0.98-0.99)	63.40±65.57	68.07±69.14	0.99 (0.99-0.99)	67.01±72.05	65.69±70.62	0.99 (0.99-0.99)
Targeted	58.99±50.57	56.12 ±47.79	0.99 (0.97-0.99)	58.99±50.57	63.39±59.34	0.99 (0.98-0.99)	56.12 ±47.79	57.31 ±49.97	0.99 (0.99-0.99)
Plaque burden									
Whole-brain	0.700±0.094	0.647±0.091	0.86 (0.71-0.93)	0.700±0.094	0.675± 0.097	0.95 (0.90-0.97)	0.647±0.091	0.669±0.081	0.90 (0.78-0.95)
Targeted	0.652±0.132	0.611±0.081	0.71 (0.42-0.85)	0.652 ±0.132	0.650 ±0.111	0.84 (0.69-0.92)	0.611±0.081	0.643±0.099	0.82 (0.62-0.91)
Percent stenosis (%)									
Whole-brain	31.13±17.79	32.97±20.86	0.88 (0.71-0.93)	31.13±17.79	33.01±19.49	0.96 (0.90-0.97)	32.97±20.86	33.47±21.07	0.95 (0.88-0.95)

	(0.77-0.94)			(0.92-0.98)			(0.90-0.97)	
Targeted	25.87±17.67	31.17±20.48	0.86 (0.71-0.93)	25.87±17.67	27.67±19.16	0.89 (0.79-0.94)	31.17 ±20.48	32.46 ±20.26 (0.89-0.97)
Whole-brain	0.948±0.231	0.903±0.281	0.79 (0.59-0.89)	0.948±0.231	0.957±0.255	0.95 (0.90-0.97)	0.903±0.281	0.892±0.214 (0.72-0.93)
Remodeling ratio								
Targeted	0.932±0.270	0.901±0.310	0.76 (0.53-0.88)	0.932±0.270	0.921±0.302	0.84 (0.69-0.92)	0.901±0.310	0.892 ±0.318 (0.61-0.88)

Note: ICC= intra-class correlation coefficient; CI= confidence interval; SD=standard deviation.