

ON-LINE APPENDIX: MR CLEAN INVESTIGATORS

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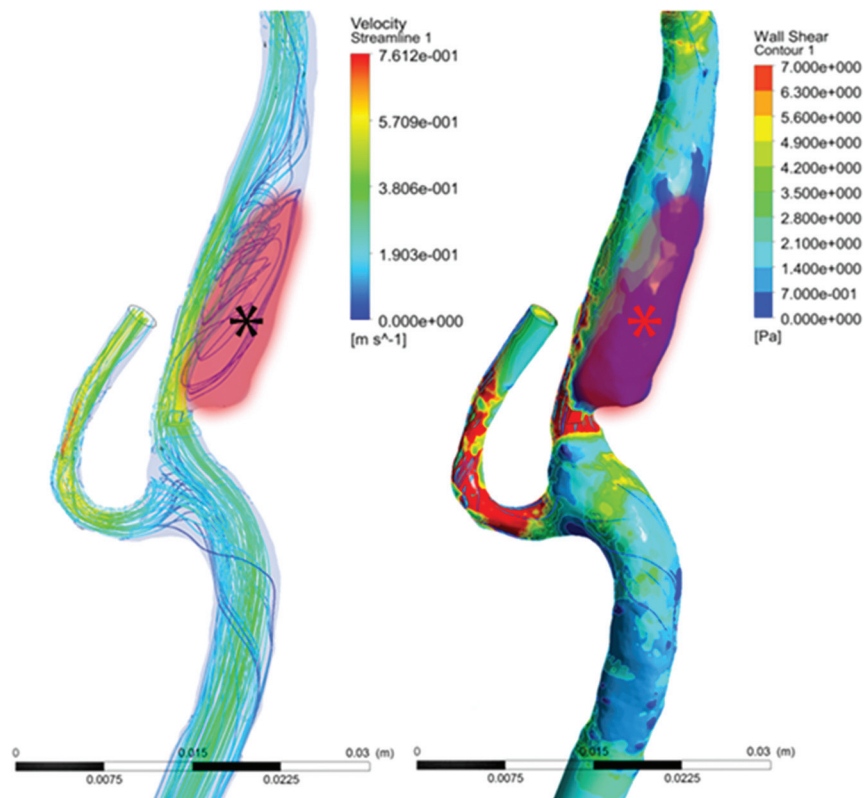
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Adverse Event Committee

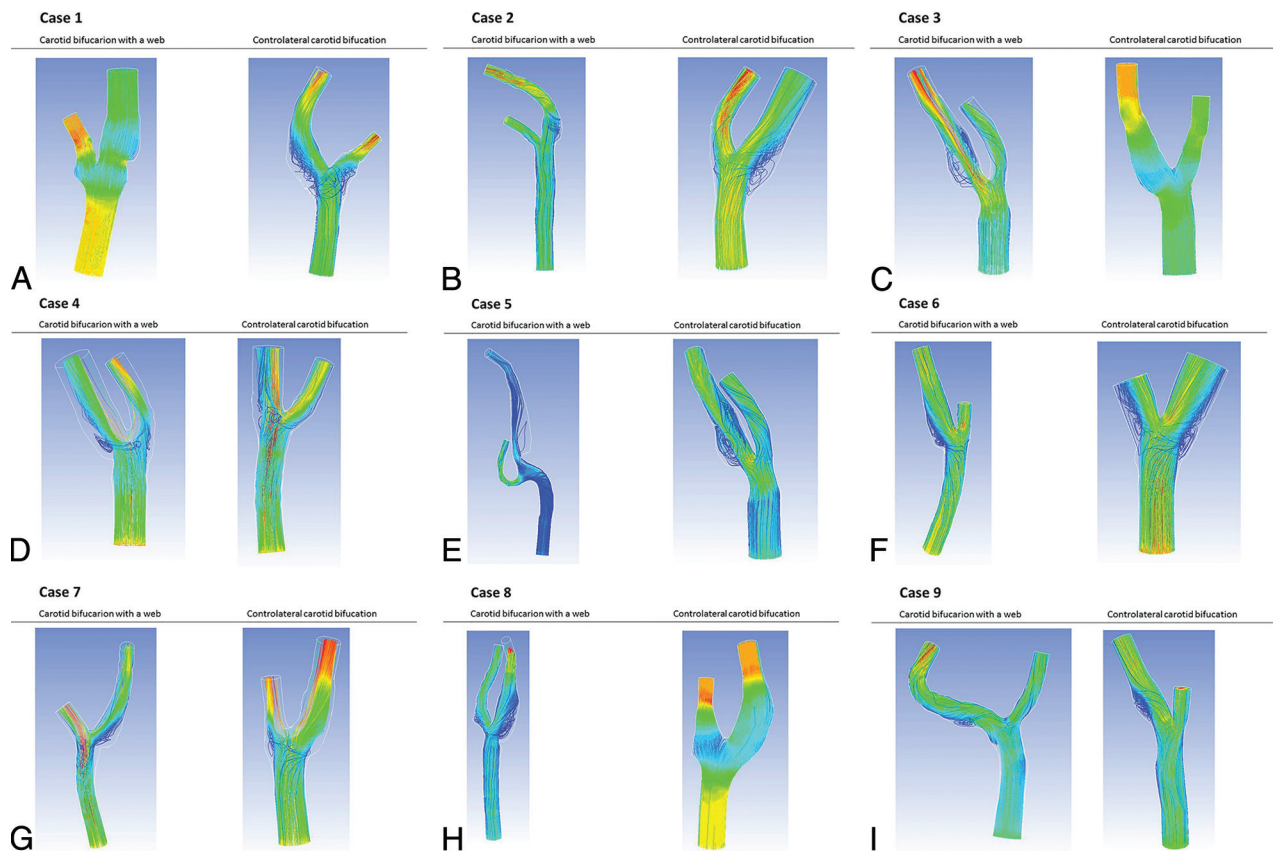
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ON-LINE FIG 1. Results of simulated flow patterns (streamlines, left image, and wall shear stress, right image). Asterisk indicates where TAWSS and OSI were assessed.



ON-LINE FIG 2. Images of CFD simulations (streamlines) of all cases as well as the carotid bifurcation with a web (left image) and the contralateral carotid bifurcation (right image).

On-line Table: Results of the CFD simulation of carotid bifurcations^a

Pt.	Recirculation Zone										At Level of Carotid Bulbus		
	Area (mm ²)		Length (mm)		Mean TAWSS (Pa)		Maximum TransWSS (Pa)		Maximum OSI		Stenosis on CTA (%) (ECST)		Maximum TAWSS (Pa)
	Web	Control	Web	Control	Web	Control	Web	Control	Web	Control	Web	Control	Web
1	63.61	58.95	8.6	2.1	0.17	0.15	0.13	0.10	0.41	0.18	27	0	0.37
2	60.33	36.46	5.6	1.4	0.30	0.26	0.33	0.30	0.35	0.38	23	0	0.54
3	46.48	36.94	2.3	1.4	0.77	0.28	0.58	0.21	0.36	0.17	45	11	1.29
4	50.60	16.51	2.0	1.1	0.24	0.27	0.25	0.05	0.37	0.23	26	0	0.34
5	224.04	94.71	17.7	2.3	0.15	0.28	0.18	0.16	0.48	0.33	49	28	0.58
6	99.38	48.60	8.3	2.1	0.34	0.22	0.20	0.23	0.43	0.40	26	0	0.61
7	87.18	31.30	6.9	1.8	0.23	0.28	0.26	0.21	0.48	0.31	30	7	0.61
8	100.63	50.34	8.7	1.8	0.27	0.14	0.22	0.10	0.39	0.19	27	4	0.51
9	30.92	43.01	5.9	1.8	0.59	0.33	0.31	0.26	0.27	0.30	37	23	0.88

Note:—ECST indicates European carotid surgery trial.

^a Hemodynamic characteristics of all individual subjects based on CFD simulation and CT angiography. All patients had a carotid web in the carotid bifurcation at the symptomatic side of acute ischemic stroke except patient 9.