

On-line Table 1: Quantitative values for mean and maximum WSS and OSI^a

Case	Mean WSS (Pa)			Max WSS (Pa)			Mean OSI (Pa)			Max OSI (Pa)		
	PS	G	Δ	PS	G	Δ	PS	G	Δ	PS	G	Δ
1	5.0	6.0	−16%	57	66	−13%	0.006	0.005	40%	0.45	0.36	27%
2	1.4	1.1	31%	92	54	71%	0.029	0.010	192%	0.48	0.38	25%
3	1.2	2.2	−44%	31	53	−42%	0.008	0.010	−12%	0.34	0.39	−13%
4	2.1	1.9	9%	40	40	0%	0.010	0.006	76%	0.41	0.36	13%
5	3.9	2.3	72%	23	28	−19%	0.000	0.015	−100%	0.00	0.27	−99%
6	0.3	2.8	−89%	5	37	−85%	0.006	0.035	−82%	0.35	0.45	−23%
7	5.9	5.5	7%	39	45	−14%	0.004	0.017	−75%	0.30	0.47	−37%
8	1.8	1.9	−9%	47	46	3%	0.020	0.015	31%	0.42	0.45	−8%
9	3.2	3.5	−10%	90	81	10%	0.051	0.025	105%	0.48	0.45	6%
10	1.0	0.0	4634%	19	2	887%	0.023	0.015	49%	0.41	0.41	0%
11	1.3	3.0	−56%	8	27	−71%	0.011	0.012	−12%	0.33	0.34	−2%
12	1.7	1.0	60%	71	43	67%	0.047	0.010	366%	0.48	0.35	40%
13	3.4	6.8	−50%	41	89	−54%	0.013	0.011	16%	0.31	0.32	−2%
14	1.7	1.4	18%	79	79	0%	0.044	0.045	−3%	0.48	0.48	0%
15	1.2	4.2	−71%	46	204	−78%	0.016	0.008	86%	0.45	0.37	22%
16	0.6	2.9	−78%	18	65	−72%	0.009	0.021	−57%	0.31	0.45	−31%
17	1.8	1.7	5%	28	26	9%	0.006	0.007	−23%	0.25	0.29	−12%
18	4.3	4.2	2%	65	69	−6%	0.006	0.011	−41%	0.14	0.17	−19%
19	2.7	4.1	−35%	36	46	−22%	0.020	0.018	12%	0.37	0.39	−5%
20	2.1	0.4	434%	11	3	327%	0.000	0.005	−94%	0.07	0.14	−54%
21	6.7	12	−46%	84	201	−58%	0.036	0.118	−70%	0.42	0.49	−15%
22	0.9	1.6	−47%	23	55	−58%	0.006	0.012	−44%	0.28	0.37	−24%
23	2.5	2.8	−10%	64	80	−20%	0.010	0.012	−14%	0.45	0.44	4%
24	2.4	3.9	−40%	20	26	−23%	0.020	0.010	112%	0.40	0.26	58%
25	0.8	1.5	−45%	23	47	−51%	0.020	0.011	89%	0.46	0.35	32%
26	7.9	12	−31%	53	80	−34%	0.008	0.004	101%	0.25	0.25	−2%
27	4.5	6.0	−24%	47	63	−26%	0.008	0.005	65%	0.43	0.37	16%
28	2.2	3.9	−43%	30	56	−46%	0.018	0.007	162%	0.37	0.31	20%
29	1.7	1.6	10%	30	46	−36%	0.044	0.012	267%	0.41	0.29	44%
30	0.0	2.3	−100%	0	45	−100%	0.024	0.012	99%	0.40	0.43	−7%
31	1.7	6.4	−73%	28	115	−76%	0.017	0.013	25%	0.43	0.39	10%
32	1.0	1.1	−12%	34	37	−8%	0.136	0.074	84%	0.47	0.47	0%
33	2.4	3.4	−29%	79	151	−48%	0.017	0.008	124%	0.42	0.24	80%
34	2.6	2.4	8%	120	56	214%	0.007	0.006	17%	0.37	0.30	23%
35	2.6	3.0	−14%	47	55	−15%	0.013	0.010	25%	0.32	0.33	−3%
36	2.7	5.7	−53%	37	83	−55%	0.005	0.002	207%	0.27	0.08	240%

Note:—PS indicates patient-specific inflow profile; G, generalized inflow boundary condition; Δ, (PS−G)/G × 100%; Max, maximum; OSI, oscillatory shear index.

^a Relative differences are presented as percentages.

On-line Table 2: Qualitative assessment^a

Case	Inflow Jet		Vortex		WSS Location		Lobulation		
	Concentration	Stability	Number	Stability	High WSS	Deflection	WSS	Jet Aim	Ostium WSS
1	—	—	—	—	—	—	—	—	—
2	—	Yes (2PS)	1 (PS)	Yes (2PS)	—	—	—	—	Yes
3	—	—	—	—	Yes	—	Yes	—	—
4	—	—	—	—	Yes	—	—	—	—
5	—	Yes (2G)	—	Yes (2PS)	—	—	—	—	—
6	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	—	—	—
8	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—
10	Yes	Yes (2G)	1 (PS)	Yes (2G)	Yes	Yes	Yes	—	Yes
11	—	Yes (3G)	—	—	—	—	—	—	—
12	—	—	—	—	—	—	—	—	—
13	—	—	—	—	Yes	Yes	Yes	—	Yes
14	—	—	—	Yes (3G)	—	—	—	—	—
15	—	—	—	—	Yes	—	—	—	Yes
16	—	—	—	—	Yes	Yes	Yes	Yes	Yes
17	—	—	1 (G)	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—
19	—	—	—	—	Yes	—	—	—	—
20	—	—	—	—	—	—	—	—	—
21	—	Yes (3G)	1 (G)	Yes (2G)	—	—	—	—	—
22	—	Yes (3G)	—	—	—	—	—	—	—
23	—	—	—	—	—	—	Yes	—	—
24	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	—	—	—
26	—	—	—	—	Yes	—	—	—	—
27	—	—	1 (G)	Yes (2G)	—	—	—	—	Yes
28	—	—	—	—	—	—	Yes	—	Yes
29	—	Yes (2PS)	—	—	Yes	—	Yes	Yes	—
30	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	Yes	—	—
33	—	—	—	—	—	—	—	—	—
34	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	Yes	—	Yes
36	—	—	—	—	—	—	—	—	—

Note:—Yes indicates difference between PS and G methods; No, no difference between PS and G methods; PS, patient-specific inflow boundary conditions; G, generalized.

^a Significance scoring in parentheses: 1 = little significance, 5 = great significance.