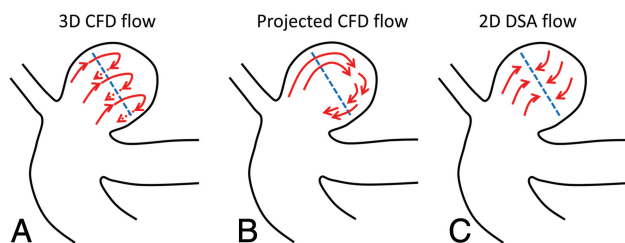


On-line Table: Qualitative assessment of the ability of DSA, MEAN CFD, and MIP CFD flows to capture different flow characteristics

Pt. No.	View	Inflow Jet Location			Main Vortex			Flow Split			Rotation Direction		
		DSA	MEAN	MIP	DSA	MEAN	MIP	DSA	MEAN	MIP	DSA	MEAN	MIP
1	1	Yes	Yes	Yes	Yes	No	Yes	x	x	x	Yes	Yes	Yes
2	1	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
3	1	No	Yes	Yes	No	Yes	Yes	x	x	x	Yes	Yes	Yes
	2	Yes	Yes	Yes	No	Yes	Yes	x	x	x	Yes	Yes	Yes
4	1	No	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes
	2	Yes	Yes	—	Yes	No	—	x	x	x	Yes	No	—
5	1	No	No	Yes	No	No	Yes	x	x	x	No	No	Yes
	2	No	Yes	—	Yes	Yes	—	x	x	x	Yes	Yes	—
6	1	No	Yes	Yes	No	No	Yes	x	x	x	No	No	Yes
	2	No	Yes	—	No	No	—	x	x	x	No	No	—
7	1	Yes	No	Yes	No	Yes	Yes	x	x	x	No	Yes	Yes
	2	Yes	No	Yes	No	Yes	Yes	x	x	x	No	Yes	Yes
8	1	Yes	No	Yes	No	Yes	Yes	x	x	x	Yes	Yes	Yes
	2	No	No	Yes	No	Yes	Yes	x	x	x	Yes	Yes	Yes
9	1	Yes	Yes	Yes	Yes	No	Yes	x	x	x	Yes	No	Yes
	2	Yes	Yes	Yes	Yes	No	Yes	x	x	x	Yes	No	Yes
10	1	Yes	No	—	No	No	—	x	x	x	No	No	—
	2	Yes	No	—	Yes	Yes	—	x	x	x	Yes	Yes	—
11	1	Yes	No	—	Yes	Yes	—	x	x	x	Yes	Yes	—
	2	No	No	—	Yes	No	—	x	x	x	Yes	No	—
12	1	Yes	Yes	—	Yes	Yes	—	Yes	Yes	—	Yes	Yes	—
	2	Yes	Yes	—	Yes	No	—	Yes	Yes	—	Yes	No	—
13	1	No	Yes	—	No	No	—	x	x	x	No	No	—
	2	Yes	No	—	No	No	—	x	x	x	No	No	—
14	1	No	No	—	No	Yes	—	x	x	x	No	Yes	—
	2	No	Yes	—	Yes	No	—	x	x	x	Yes	Yes	—
15	1	Yes	No	—	Yes	No	—	No	No	—	Yes	No	—
	2	No	Yes	—	No	Yes	—	x	x	x	No	Yes	—
% Captured ^a		57.1	53.6	100.0	46.4	25.0	100.0	60.0	80.0	100.0	64.3	44.4	100.0

Note:—Pt. indicates patient; x, cases with no intrasaccular flow split; —, MIP CFD flows not available for these cases.

^a Percentage of features captured by each field.



ON-LINE FIGURE. Sketch illustrating the effects of projecting a 3D flow field that has a vortex structure roughly perpendicular to the line of sight, corresponding to the example presented in the third row of Fig 2. A, 3D flow field as determined by CFD simulation. B, Projection of the 3D CFD field to the 2D DSA imaging plane, which would indicate a vortex aligned with the line of sight. C, The 2D DSA flow field gives the impression of “flow convergence” toward the vortex centerline.