

Table S1. Case Summary and Procedural Details

	Number / Average (Range)	% (all cases) / SE
<i>Demographics</i>		
Total Cases	125	
Age (years)	65.4 (22-90)	±1.26
Female Sex	94	75%
<i>Circulation</i>		
Aneurysm Treatment (Total)	108	86%
Anterior	98	91%
Posterior	10	9.3%
ICAD Stenting (Total)	15	12%
Anterior Circulation	9	60%
Posterior Circulation	6	40%
Sinus Stenting (Total)	2	1.6%
<i>Anatomy</i>		
Cervical Grade		
0	104	97%
1	3	2.8%
Cavernous Grade		
Ia	50	47%
Ib	24	22%
II	13	12%
III	14	13%
IV	6	5.6%
<i>Access and Catheters</i>		
Catheter System		
Triaxial	125	100%
<i>Case Characteristics</i>		
PRU	60.4 (2 - 250)	
<i>Medications</i>		
Heparin	109	86%
Tirofiban	21	16.5%
Verapamil	14	11%
<i>TracStar LDP™ Position</i>		
Petrous	71	57%
Vertical Cavernous	25	20%
V3	16	13%
Horizontal Cavernous	9	7.2%

Supraclinoid	2	1.6%
Transverse Sinus	2	1.6%
Distal Intracranial Catheter used		
Cat 5	110	88%
AXS Vecta 71	9	7.2%
SOFIA	7	5.6%
AXS Vecta 46	1	0.8%
Phenom Plus	1	0.8%
Distal Intracranial Catheter Position		
Supraclinoid	22	17%
Horizontal Cavernous	38	30%
M1	38	30%
V3	8	6.3%
Basilar Junction	5	3.9%
V4	3	2.4%
ICA Terminus	2	1.6%
Vertical Cavernous	2	1.6%
Superior Sagittal Sinus	2	1.6%
M2	1	0.8%
Petrous	1	0.8%
A1	1	0.8%
AICA	1	0.8%
Paraclinoid	1	0.8%
Microcatheters Used		
		(% of category)
Excelsior XT 27	43	57%
Excelsior SL 10	17	23%
Headway 21	12	16%
Phenom 27	6	8.0%
Headway Duo 156	3	4.0%
Headway 27	3	4.0%
Phenom 21	1	1.3%
Devices		
Number of Devices per Total Cases	1.15	
Total Number of Flow Diverters	106	
Total Number of VRD	37	
Total Number of WEB	1	
Diameter by Flow Diverter Type (mm)		
Surpass evolve (n = 47)	4.20 (3-5)	± 0.08
Surpass stream (n = 37)	3.92 (3-5)	± 0.11
FRED (n = 15)	3 (2.5-5)	± 0.18

Pipeline Flex (n=7)	3.92 (2.75-5)	± 0.38
Diameter by Other Stents/Devices (mm)		
Neuroform Atlas (n = 15, out of 20)	4.0 (3-4.5)	± 0.28
Wingspan (n = 14, out of 15)	3.57 (2.5-4.5)	± 0.30
Precise (n = 2)	8	
WEB SL (n = 1)	8	
Access Related Complications		
Groin Hematoma	0	0%
In Situ Thrombus Formation	0	0%
Vasospasm	0	0%
Iatrogenic Vessel dissection	0	0%
Procedural Success	125	100%
