

towards a higher rate of complete occlusion with the FRED device.

**Abstract O-018 Table 1** The demographics of the two groups

	FRED	Pipeline	p-value
Age*	59.1 ± 10.7	49.1 ± 13.8	0.02
Male	4 (21%)	10 (27.8%)	0.7
Previously ruptured	1 (5%)	4 (11%)	0.65
Retreatment(Previously coiled)	4 (21%)	8 (22%)	1
Coils Placed at the time of treatment	1 (5%)	2 (5%)	1
Multiple Devices	3 (16%)	5 (14%)	1
Fusiform	2 (11%)	9 (25%)	0.3
PRU at time of procedure	122 ± 63	124 ± 67	0.9

There was no significant difference between the complication rates for the two groups, including ipsilateral ischemic stroke, ipsilateral ICH, aneurysm rupture and overall neurological morbidity and mortality.

**Abstract O-018 Table 2** The complications associated with each device

FRED	ICA > 10 mm (n = 10)	ICA < 10 mm (n = 7)	All (n = 19)
Ipsilateral Ischemic Stroke	1 (10%)	1 (14%)	2 (10.5%)
Ipsilateral ICH	0 (0%)	0 (0%)	0 (0%)
Aneurysm Rupture	0 (0%)	0 (0%)	0 (0%)
Neurological Morbidity & Mortality	1 (10%)	1 (14%)	2 (10.5%)
Pipeline	ICA > 10 mm (n = 3)	ICA < 10 mm (n = 26)	All (n = 36)
Ipsilateral Ischemic Stroke	0 (0%)	2 (7.7%)	3 (8.3%)
Ipsilateral ICH	0 (0%)	1 (3.8%)	1 (2.7%)
Aneurysm Rupture	0 (0%)	0 (0%)	0 (0%)
Neurological Morbidity & Mortality	0 (0%)	3 (11.5%)	4 (11.1%)

There was no significant difference in occlusion rate between the two groups. There was a trend towards a higher rate of complete occlusion in the FRED group but this was not statistically significant ( $p = 0.17$ ). When only saccular aneurysms were evaluated, the complete occlusion rate in the FRED group was 92.3% and 70% in the pipeline group ( $p = 0.2$ ).

**Abstract O-018 Table 3** Results of each device

FRED	Anterior	All
6 month angiographic complete occlusion	11/13 (84.6%)	11/14 (78.6%)
12 month angiographic complete occlusion	7/8 (87.5%)	7/8 (87.5%)
Any follow up imaging	13/14 (92.9%)	13/15 (86.7%)
Pipeline	Anterior	All
6 month angiographic complete occlusion	7/9 (77.8%)	7/10 (70%)
12 month angiographic complete occlusion	NA	NA
Any follow up imaging	14/21 (66.7%)	17/26 (65.4%)

**Disclosures** A. Paul: None. J. Dalfino: None. J. Yamamoto: None. A. Boulos: None.

**O-019** NOVEL METHOD FOR INTRACRANIAL DEPLOYMENT OF 6 AND 8 MM DIAMETER SELF EXPANDING COBALT CHROMIUM STENTS IN THE ARTERIAL AND VENOUS CIRCULATIONS

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**Introduction/purpose** Stents for the intracranial circulation are approved for stent assisted coiling of brain aneurysms, flow diversion of brain aneurysms and atherosclerotic occlusive disease. These stents are deliverable and approved for intracranial placement of cerebral arteries ranging in size from 2.5 to 4.5 mm. The relatively small stents are unsuitable for skull based internal carotid artery for dissection and venous sinus deployment due to the large diameter of these vessels. Self-expandable cobalt chromium carotid stents are properly sized to these circulations but do not track the curvatures of the intracranial arterial and venous circulations. These self-expanding cobalt chromium carotid stents are available in 6 and 8 mm diameter sizes and, due to the braided design, these implants will track curves when partially deployed. We report a technique of partially deploying a cobalt chromium stent within a 072 intracranial support catheter which has already been positioned distal to the target. This allows the stent to be advanced around curves and unsheathed directly from the catheter thus allowing intracranial stenting of larger vessels.

**Materials and methods** This is a retrospective review of 11 cases in which cobalt chromium stents were placed in the intracranial circulation at our facility over a two year period. These stents were placed with an 072 intracranial support catheter positioned distal to the target. Three stents were placed in distal cervical ICA transitioning into the horizontal petrous ICA. Eight stents were placed in the venous circulation (1 straight sinus to transverse sinus, 5 transverse sinus, 1 transverse-sigmoid junction, 1 sigmoid-jugular junction). In two venous cases, the stents were used to support coil masses. **Results** All cases in which the cobalt chromium stents were deployed were successful. No neurological sequelae were observed post procedure.

**Conclusion** This technique allows for a wider range of stent sizes to access the tortuous intracranial circulation and provides an additional tool to the neurointerventional surgeon.

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**O-020** WEB® ANEURYSM TREATMENT: PRELIMINARY RESULTS OF WEBCAST 2 STUDY

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**Purpose** WEB Flow disruption is an innovative endovascular treatment for wide-neck bifurcation aneurysms. This treatment was already evaluated in several retrospective and prospective series, including 2 Good Clinical Practice (GCP) studies (WEBCAST and French Observatory) showing high safety and good efficacy. In WEBCAST, all patients were treated with the first generation of the device (WEB-DL) and WEBCAST2 was initiated to evaluate the second generation of the device (WEB-SL and WEB-SLS).