for whom, consecutively, radial access was utilized during an endovascular procedure.

**Results** Included in our study sample are 11 total individuals found to have undergone neuroendovascular procedure, 7 of which are male and 4 are female. The mean age was 65.6 years (range from 35 to 91). 8 of the 12 patients observed required diagnostic cerebral angiograms, 2 patients required mechanical thrombectomy, and one patient underwent carotid stent placement and angioplasty for greater than 95% stenosis of the common carotid artery. The average hospital admission of this sample size was 5.2 days (range from 1 to 18). The mean National Institutes of Health Stroke Scale (NIHSS) on admission to the hospital was 5.45 (range from 0 to 28), 9 patients had scores of less than 3 on admission, while the remaining two patients has scores of 26 and 28. The mean length of procedure: for diagnostic cerebral angiograms was 25.5 minutes (range 15.2 to 56.3), for thrombectomy the mean time was 2 hours 2 minutes, and the time of stent and angioplasty was 1 hour 32 minutes. The mean fluoroscopic time for all patients was 15 minutes (range from 2.4 to 42.5).

Of the 11 patients included in the sample size, 7 underwent percutaneous access for a cerebral angiogram. This event was treated the same day with radial artery and internal jugular repair during which hemostasis was achieved. On discharge, the mean NIHSS was 1.54 (range from 0 to 14). 10 of the 11 patients were discharged with an NIHSS of greater than or less than 2, only one patient was discharged with a score of 14, however, this patient was also admitted with pre-existing conditions which contributed to the higher than average access of other participants.

**Conclusion** In the experience of this single-center, the use of the transradial approach for neuroendovascular procedures seems to result in a relatively low rate of access complications and shifting access technique. Our results, while limited in the size of sample, contribute to the growing body of literature that sheds insight on the benefit of transradial access.

Disclosures M. Taqi: None.
Methods The retrospective review of the institutional, IRB-approved database was undertaken to find cases where the TracStar LDP™ or Zoom™ 88 guide catheters (Imperative Care, Campbell, CA) were used with a TRA for neurointerventions. For this study, gender, age, case type, target anatomy, distal location reached with the guide catheters, time from access to reperfusion, complications, and the Thrombolysis in Cerebral Infarction (TICI) score were collected. Safe placement of the guide catheters to the target anatomy was considered a technical success.

Results From August 2020 to March 2021, 13 patients underwent TRA neurointerventions using the TracStar LDP or Zoom 88 guide catheters. The TracStar LDP was used in 77% (10/13) of patients; the Zoom 88 guide catheter was used in 23% (3/13) of patients. The type of intervention was acute ischemic stroke in 69% (9/13) of patients and aneurysm embolization in 31% (4/13) of patients. The TracStar LDP facilitated the implantation of flow diverters in all aneurysm cases with 75% (3/4) using a baxial system. Overall, there was an even distribution between females (54%, 7/13) and males (46%, 6/13). The median age was 72.5 (range=48-88) years. Most patients with aneurysms were females (75%, 3/4); this population’s median age was 58.5 (range=54-64) years. In patients with acute ischemic stroke, the median age was 76 (range=48-88) years. The target anatomy for all aneurysm patients was the left internal carotid artery. The target anatomy for stroke patients included right internal carotid artery in 77.8% (7/9) of patients, left internal carotid artery in 11.1% (1/9) of patients and left vertebral artery in 11.1% (1/9) of patients. In these patients, the final positions of the guide catheters included Supraclinoid Carotid (n=2), Ophthalmic (n=2), Petrous Carotid, Petro-Cavernous junction, Basilar, Cavernous-Carotid, and in one case the Zoom 88 was positioned in the right M1. The median puncture to reperfusion time was 30.5 (range=5-50) minutes. The TICI 2b or greater was achieved in 77.8% (7/9) of patients. There were no complications associated with the guide catheters. In two patients (one stroke, one aneurysm), the TracStar LDP guide catheter was used successfully as the rescue option after the initial approach with the 0.079™ radial guide catheter failed.

Conclusion Transradial access with the TracStar LDP and Zoom 88 large-bore guide catheters is feasible and safe in achieving intracranial access for neurointerventions in carefully selected patients.

Disclosures L. Lyons: None. M. Abouellel: None. A. Restrepo Orozco: None. L. Verhey: None. J. Tsai: 2; C; Stryker. J. Singer: 2; C; Medtronic, Stryker, Pneumabra, Nico. A. Restrepo

Design This is a retrospective cohort analysis of all patients presenting to a single academic center with tandem ICA/ICAO who underwent mechanical thrombectomy from 2015-2020. Patients were included per AHA guidelines excluded if pre-procedural angiography did not show tandem occlusions.

Main outcomes and measures Baseline variables included age, baseline National Institute of Health Stroke Scale (NIHSS), baseline Alberta Stroke Program Early CT Score (ASPECTS), site of intracranial occlusion, treatment techniques and time efficiencies, and thrombolysis in cerebral infarction score. Outcome measures included modified Rankin scale (mRs) at 90 days, median infarct volume, stent complications, stent re-stenosis rate, recurrent stroke at 30 days and symptomatic intracerebral hemorrhage (sICH).

Results A total of 67 patients with symptomatic angiographically-confirmed tandem ICA/ICAO were identified. The median patient age was 66, baseline median NIHSS was 16.2, Mean ASPECTS 8.1, ICAO location was the M1 segment of middle cerebral artery (MCA) in 39% of patients, internal carotid artery terminus in 37%, M2 segment of MCA in 23% and M3 segment of MCA in 1.6% of patients. Successful reperfusion of TICI 2B-3 was achieved in 91% of patients. Favorable mRS of 0-2 was achieved in 52% of cases, mortality was 19%, and median final infarct volume was 30.9mL. The rate of stent complications occurred in 3% of patients, most common being partial in stent thrombosis extending intraluminally. Rate of sICH was 4%, recurrent stroke occurred in 5% of patients within 30 days, and in-stent stenosis >50% happened in 16% at 18 months. No patients required additional interventions.

Conclusions The Xact carotid stent is safe and efficacious in the treatment of tandem ICA/ICAO lesions. Larger prospective trials are needed to help confirm our retrospective findings.

Disclosures M. Oliver: None. G. Dawod: None. S. Zaidi: None. M. Jumaa: None.

E-083 SAFETY AND EFFICACY OF XACT STENT IN TANDEM INTERNAL CAROTID ARTERY AND INTRACRANIAL LARGE VESSEL OCCLUSION

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Introduction Endovascular stenting of the extracranial internal carotid artery (ICA) in the setting of tandem intracranial arterial occlusion (ICAO) is an area of ongoing research.

Objective We demonstrate the safety and efficacy of endovascular stenting of the ICA with tandem ICAO using the Xact stent.

E-084 NICARDIPINE VERSUS CLEVIDIPINE FOR POST MECHANICAL THROMBECTOMY BLOOD PRESSURE MANAGEMENT IN PATIENTS WITH ISCHEMIC STROKE DUE TO ISOLATED MIDDLE CEREBRAL ARTERY OCCLUSION

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10.1136/neurintsurg-2021-SNIS.179

Objective Intensive blood pressure (BP) management after mechanical thrombectomy (MT) may be beneficial in patients with acute anterior circulation (AC) Ischemic stroke (IS) due to large vessel occlusion (LVO). We sought to evaluate the efficacy of Nicardipine (NCR) vs. Clevidipine (CLV) in IS patients with LVO who underwent successful MT.

Methods With IRB approval, we retrospectively collected data on consecutive patients with isolated MCA M1 occlusion who underwent successful MT. We sought to evaluate the efficacy of Nicardipine (NCR) vs. Clevidipine (CLV) in IS patients with LVO who underwent successful MT.

Methods With IRB approval, we retrospectively collected data on consecutive patients with isolated MCA M1 occlusion who underwent successful MT (TICI score of 2B or 3). Patient demographics, baseline characteristics, time efficiencies, procedural data, incidence of hemorrhagic transformation (HI) and symptomatic ICH per ECASS II criteria on 24H head CT, and clinical outcomes were recorded. We also recorded duration from recanalization to optimal BP control (ROBP), IV drip utilized (NCR vs. CLV), number of SBP excursions, and total duration of time outside the target SBP in first 24H.