

Multivessel Peripheral Revascularization for Acute Stroke Intervention

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Disclosure Statement of Financial Interest

I, Ramy A Badawi, DO NOT have a financial interest/arrangement or affiliation with one or more organizations that could be perceived as a real or apparent conflict of interest in the context of the subject of this presentation.

History

- 56y WM sudden onset R weakness & slow speech
- PMH: R LE PTA 1995, HTN, Tobacco (0.5ppd)
- FH: premature CAD
- Admitted for Transient Ischemic Attack
- CT Head: no hemorrhage.
- MRI/MRA H&N:
 - LICA thrombosis +/- dissection with 90% stenosis proximally
 - reconstitution of the supraclinoid L ICA distally
- Sent for Cerebral Angiography
- Acute Onset Stroke: NIHSS 23.

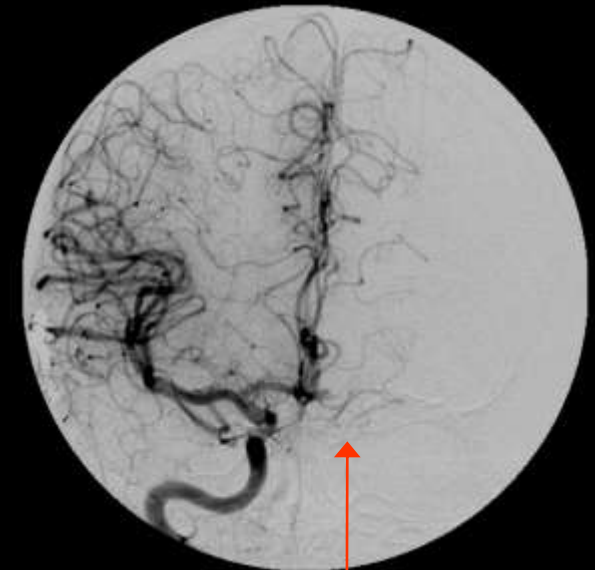
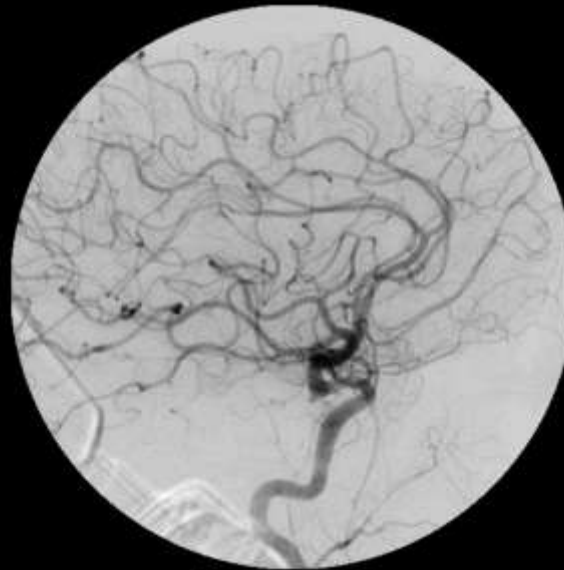
Cerebral Angiography via R Brachial due to Bilateral Ilio-Femoral Chronic Total Occlusion

R Carotid Artery

R Cerebral Hemisphere

Lateral

Anteroposterior

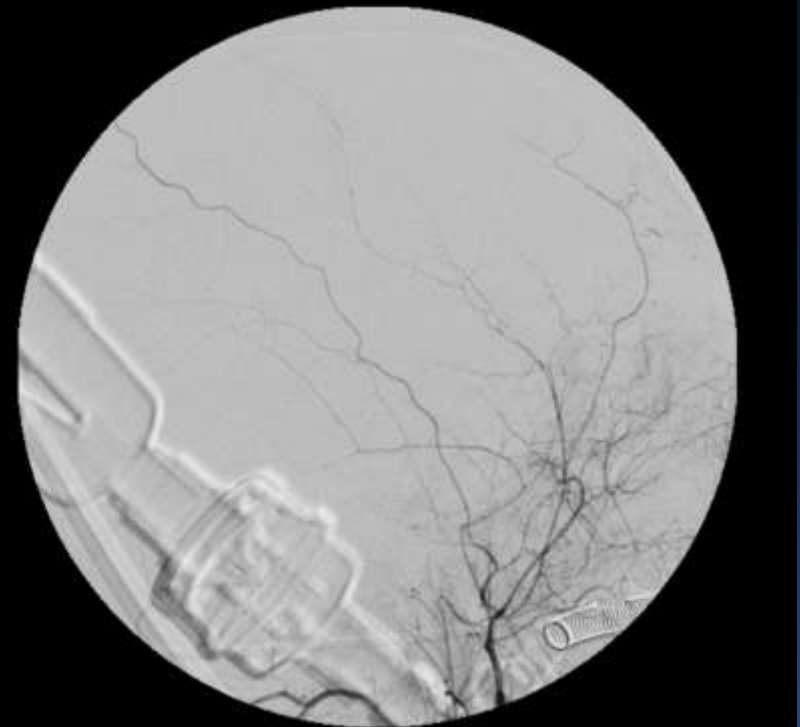
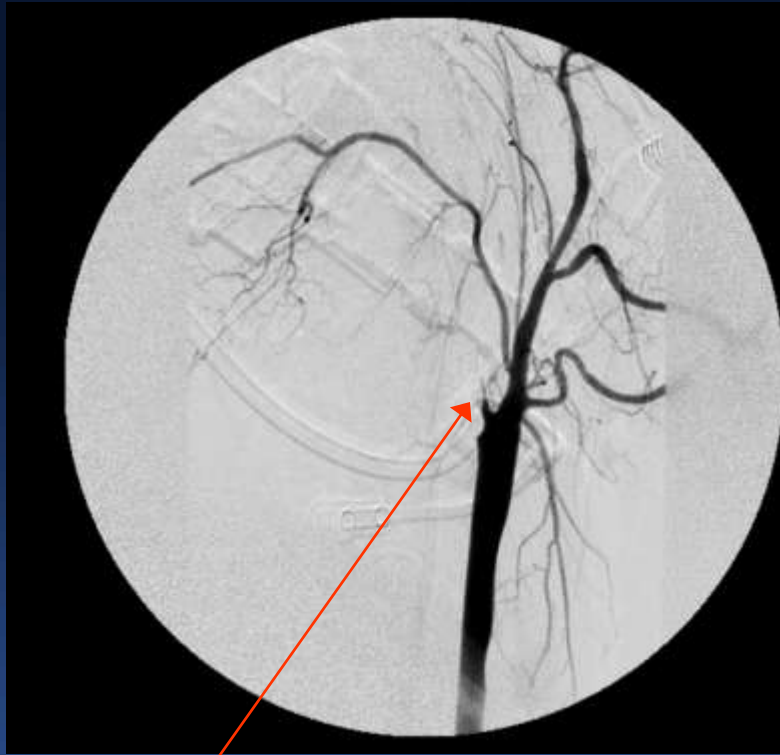


Filling defect in A1 branch
L ACA just beyond
ACommA

Cerebral Angiography via R Brachial due to Bilateral Ilio-Femoral Chronic Total Occlusion

L Carotid Artery

L Cerebral Hemisphere
Lateral

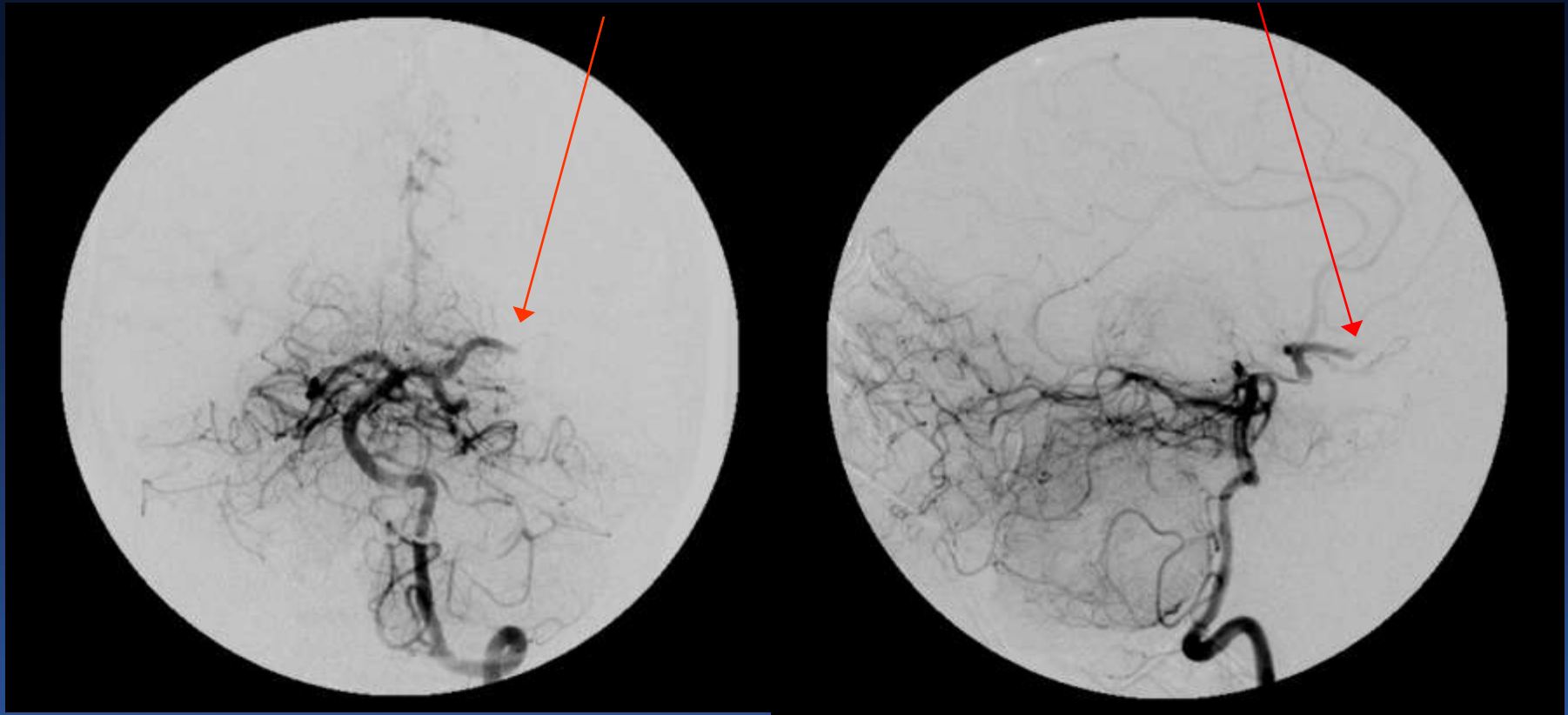


Occluded LICA

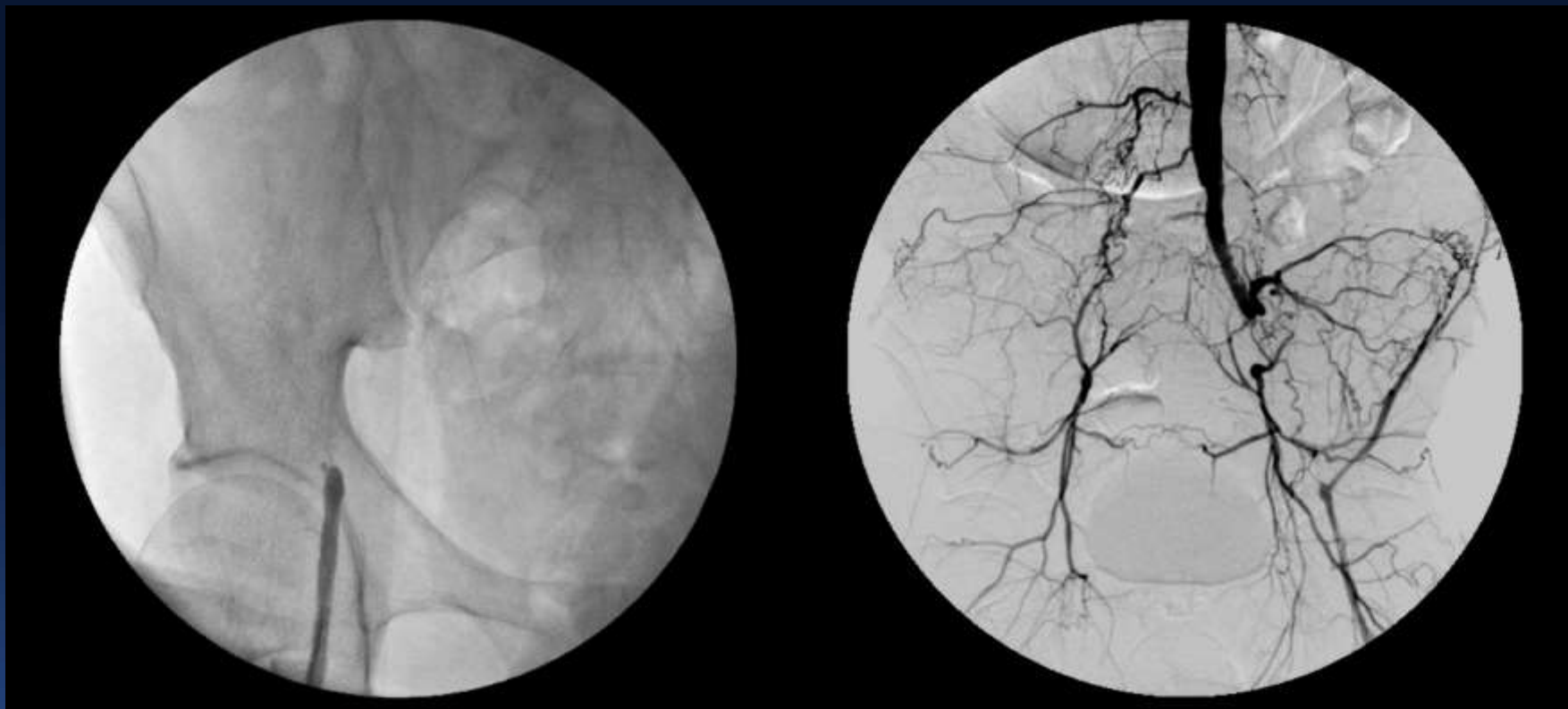
Minimal Collateral from L ECA
to L Cerebral Hemisphere

Posterior Circulation with Left Middle Cerebral Artery Occlusion

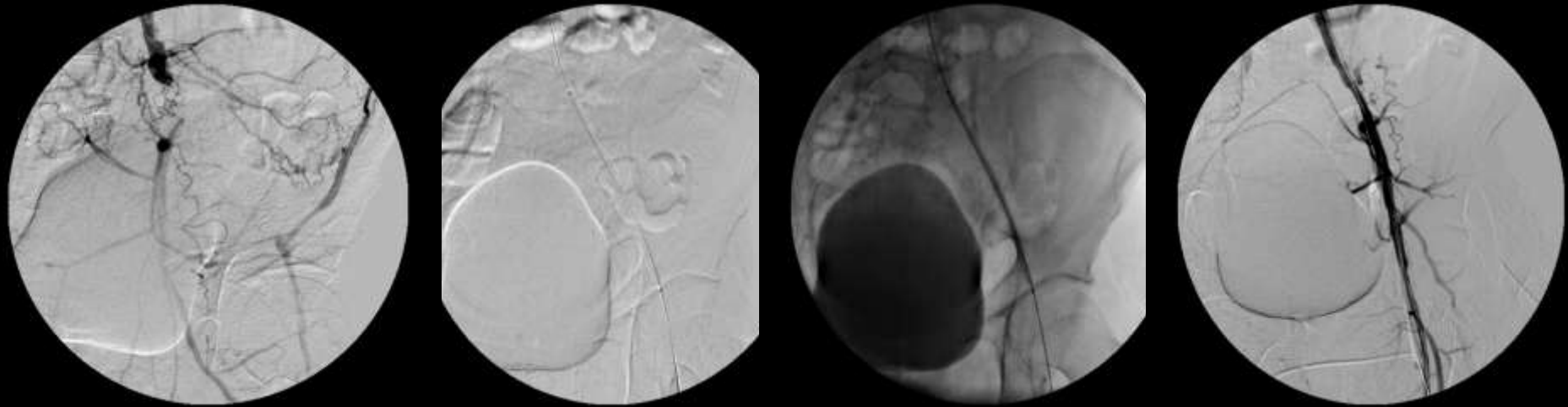
L Vertebral Artery Injection demonstrating Filling defect of M1 branch of L MCA just beyond L PComm Artery



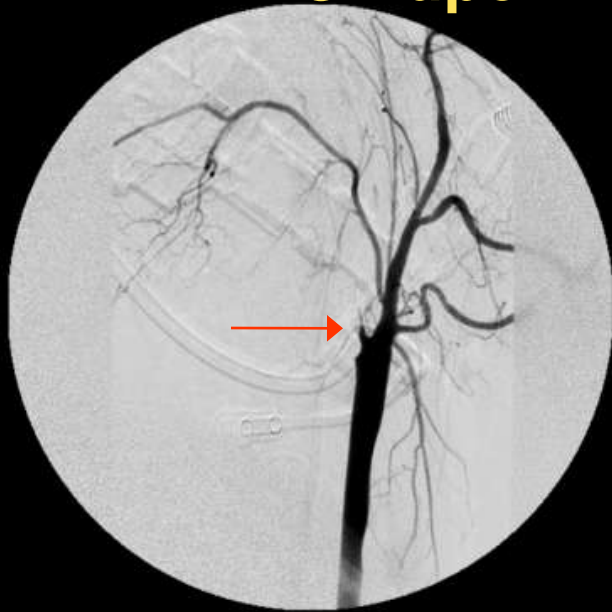
Access: Bilateral Ilio-Femoral CTO



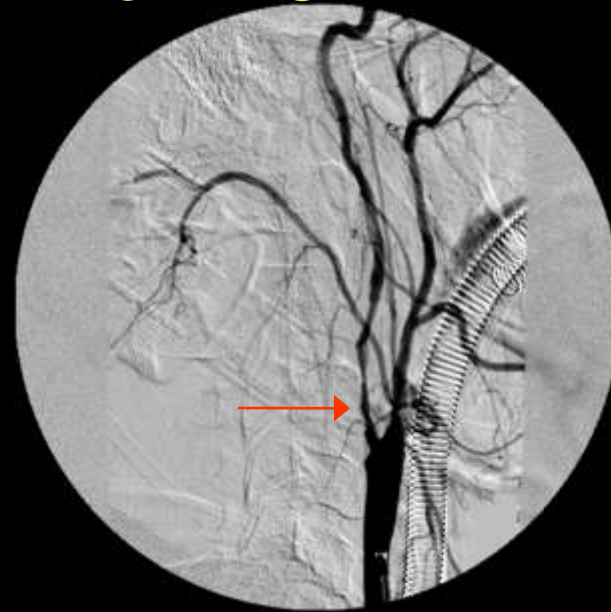
L Ilio-Femoral Chronic Total Occlusion crossed with Outback Re-Entry Catheter & Stented to permit Stroke Intervention



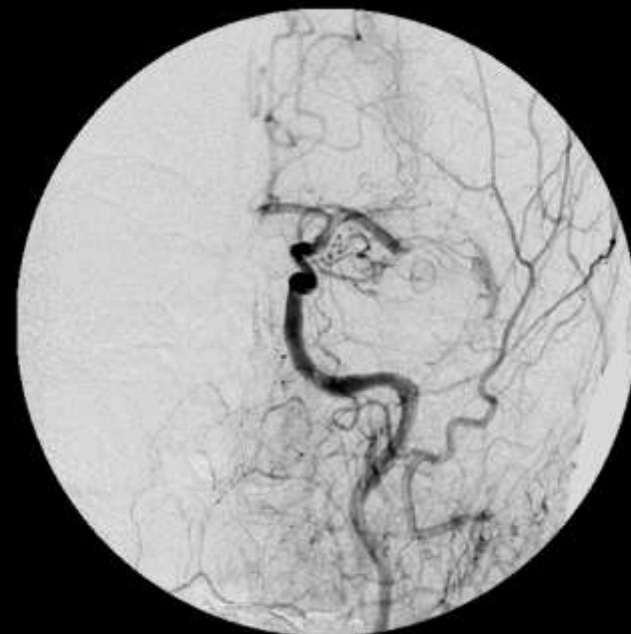
L ICA upon reinjection from L CFA



L ICA partially reopen

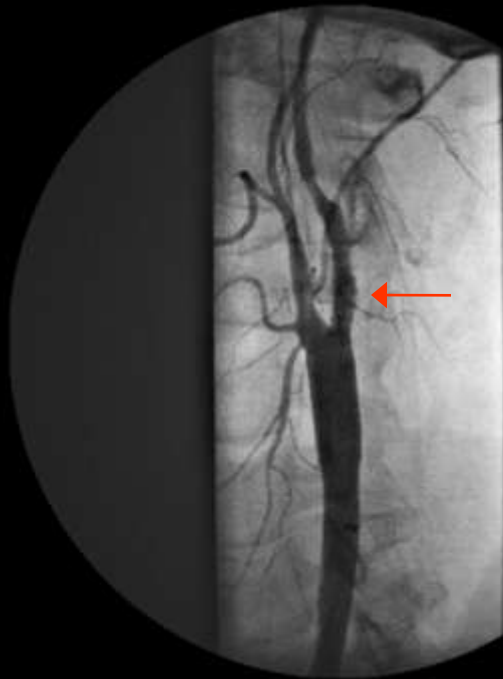


After wiring L ACA & L MCA



L ICA Before & After Stenting

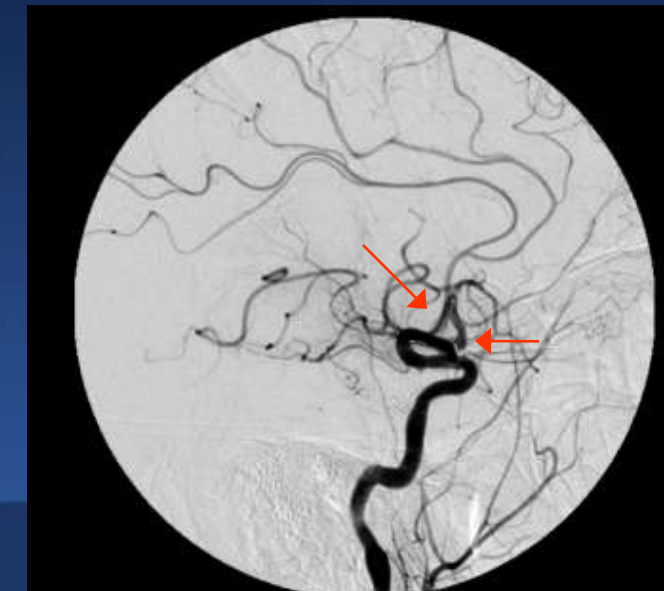
L Cerebral Hemisphere After Stenting



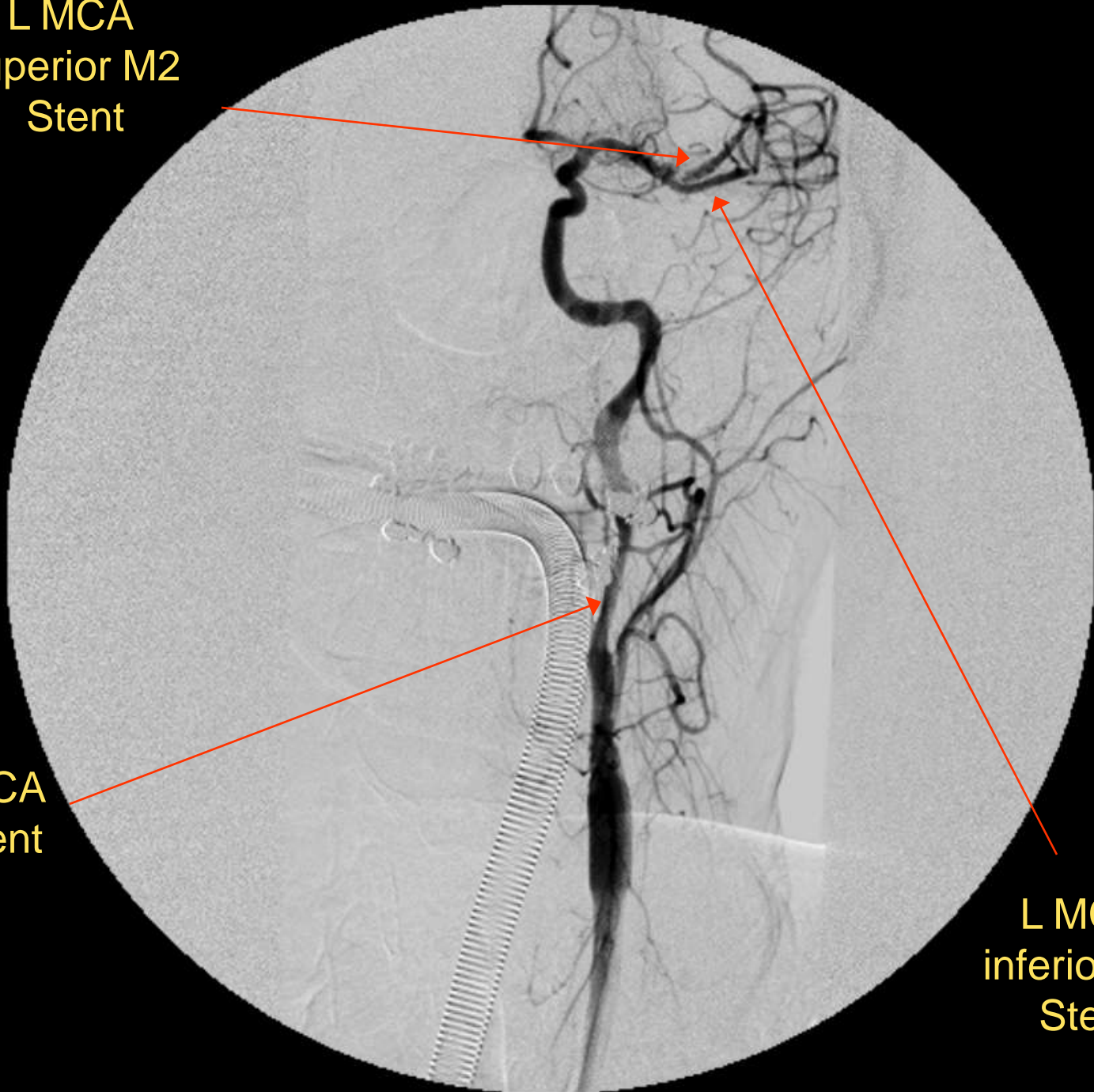
L MCA M1 & M2 Branches Wired, tPA instilled



L MCA superior & inferior divisions M2 post Wingspan stent



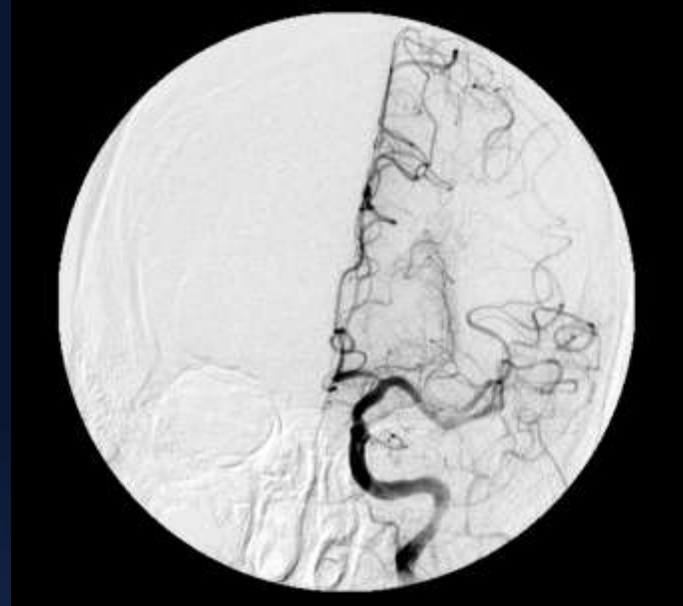
L MCA
superior M2
Stent



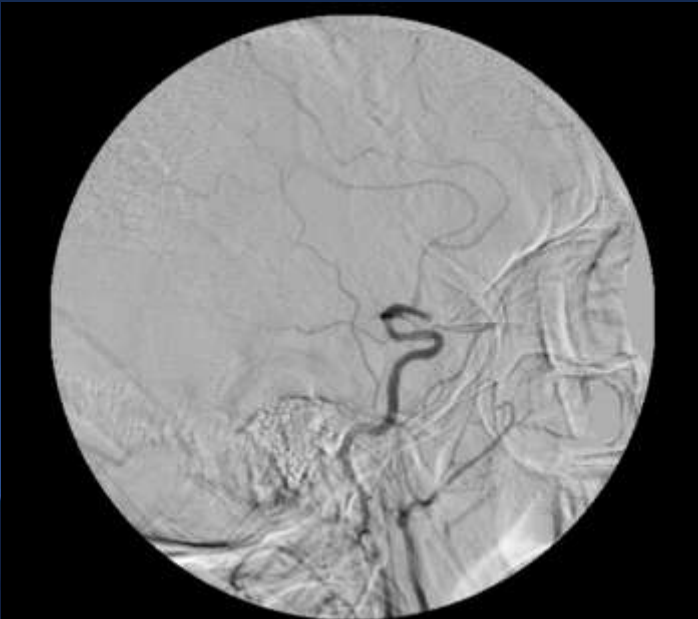
L ICA
Stent

L MCA
inferior M2
Stent

AP of L Cerebral Hemisphere



Lateral L Cerebral Hemisphere



Clinical Course

- Post procedure: Global aphasia. Persisting dense R hemiparesis.
CT: Subarachnoid hemorrhage along sylvian fissure with mild mass effect but no midline shift.
- At Discharge to Rehab: Global aphasia. Right upper extremity: flaccid, 0/5 power.
- 2 wk Rehab: Strengthening, endurance, gait, speech and dysphasia training
- At Discharge from Rehab: Normal power 4 limbs with minor problems with R hand coordination and mild expressive and receptive dysphasia.

	mRankin	NIHSS
Day 1	5	23
At discharge	4	12
After Rehab	2	3
At 30 days	2	1

