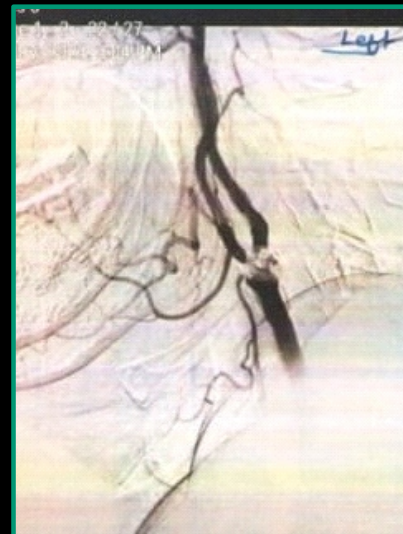
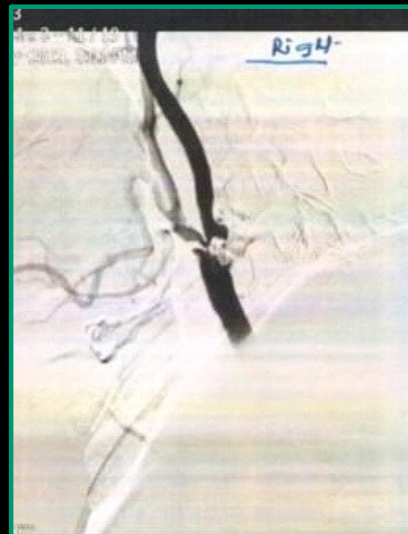


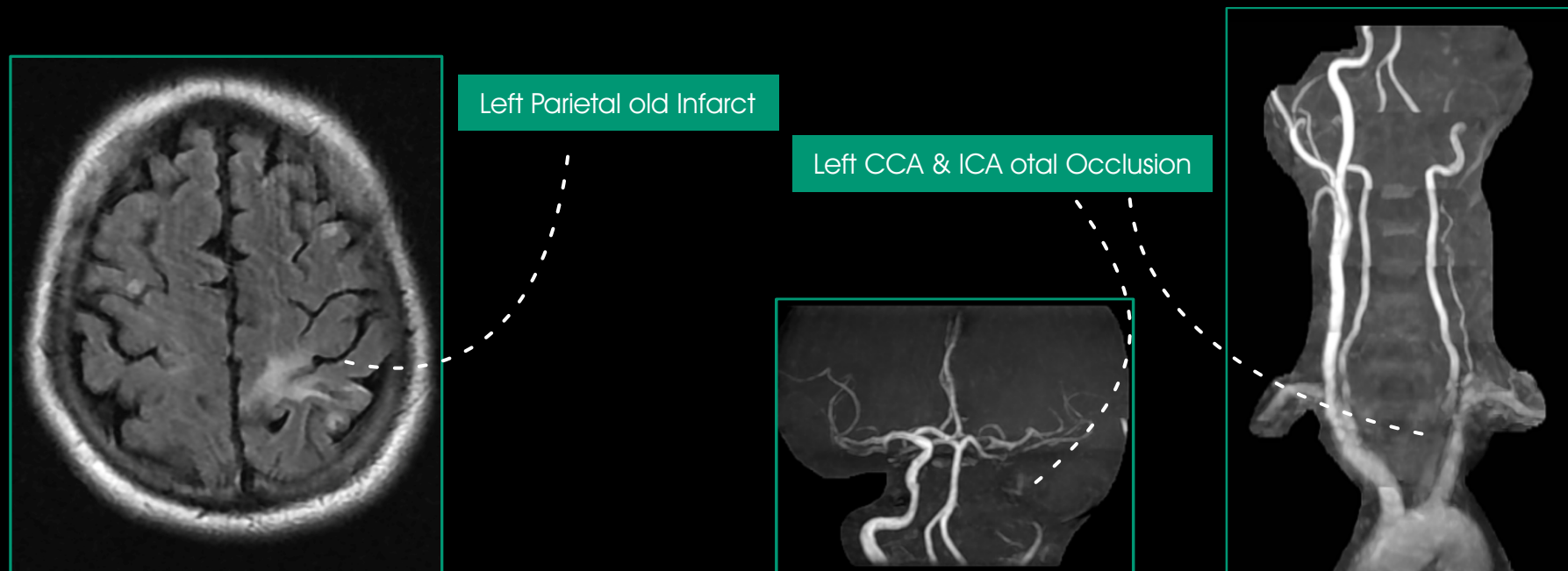
# Case 19: Complex Angioplasty

## 66 YEAR OLD MALE

- K/C/O HTN, DM, Post CABG had recurrent episodes of transient weakness in left UL and LL followed by complete recovery in few minutes.
- There were no neurological deficits at that time
- MRI brain showed small acute infarct in right high parietal region
- MR angiogram and CT angiogram showed severe bilateral carotid stenosis with thick calcification



- After many consultations relatives decided to go for right carotid endarterectomy as he was advised that carotid angioplasty and stenting may not be possible due to thick calcified lesions
- He underwent right Carotid endarterectomy under GA
- On post operative day 2 had weakness in left UL and LL which improved partially over 2 months
- He had 2 episodes of transient weakness in right UL and LL few months later and came for opinion
- On examination he had grade 3+ power in left UL and grade 4 in left LL. Rest neurological examination was normal
- His repeat MRI showed chronic infarct in left high parietal region with total occlusion on left CCA



- He underwent DSA which showed critical left ICA stenosis with thick calcifications and very sluggish flow across the stenotic lesion
- After detailed discussion he underwent left ICA angioplasty and stenting under local anaesthesia
- The main challenge in this case was crossing the micro-wire across the stenotic lesion which was possible with the help of coronary balloon
- He was discharged on day 4 after the procedure without any new neurological complaints or deficits



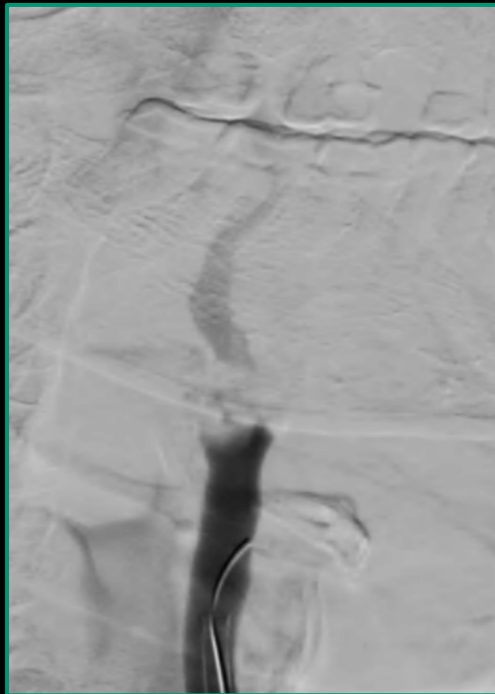
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Patient's clinical status

- Clinical pearls

1. DSA should be offered if the patient is symptomatic even if that MRI angiogram is showing total occlusion as it is a Gold standard investigation for cerebrovascular disease
2. CEA (Carotid Endarterectomy) v/s CAS (Carotid angioplasty and stenting) - CAS is possible even in critical stenosis and thick calcified lesions.



Left ICA critical stenosis  
with thick calcification



Post Left ICA Carotid  
Angioplasty & stenting

