

Hybrid Procedure:
Carotid Artery Stenting
Combined with MVR + Bypass
Surgery in Hybrid Room

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Case Presentation

- 74y old male
- Obesity, HTN
- Severe MR, unstable angina
- Coronary angio → 3 vessel CAD
- → planned for emergent MVR + bypass surgery
- Pre-operative carotid Doppler
 - RICA – 100%
 - LICA – 90%

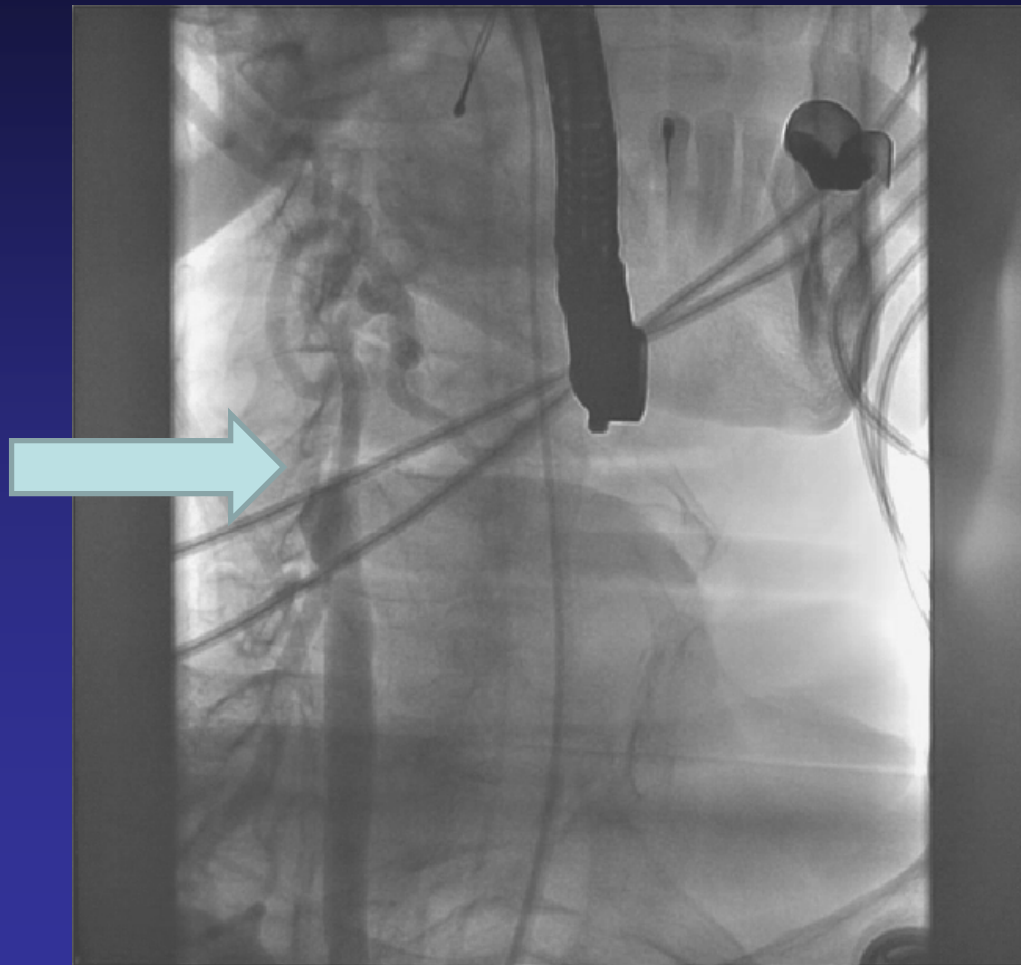


Protocol for Hybrid Intervention

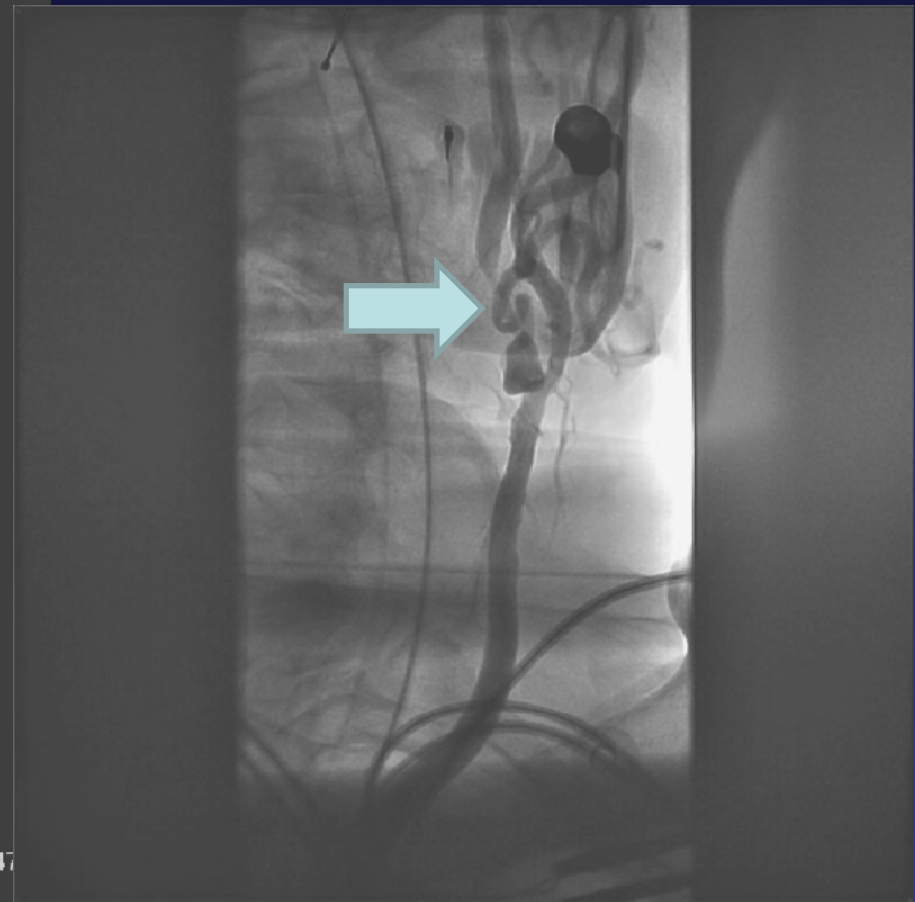
- Carotid stenting (CAS), bypass, and MVR done in same procedure in hybrid room
- Patient on chronic aspirin
- Before anesthesia – plavix loading 300mg
- CAS via femoral artery under full heparinization + aspirin
- At the end of CAS – heart and lung machine, continue full heparinization → bypass + MVR
- At end of surgery plavix is on board protecting carotid stent



CAS Procedure Occluded RICA



90% long LICA lesion

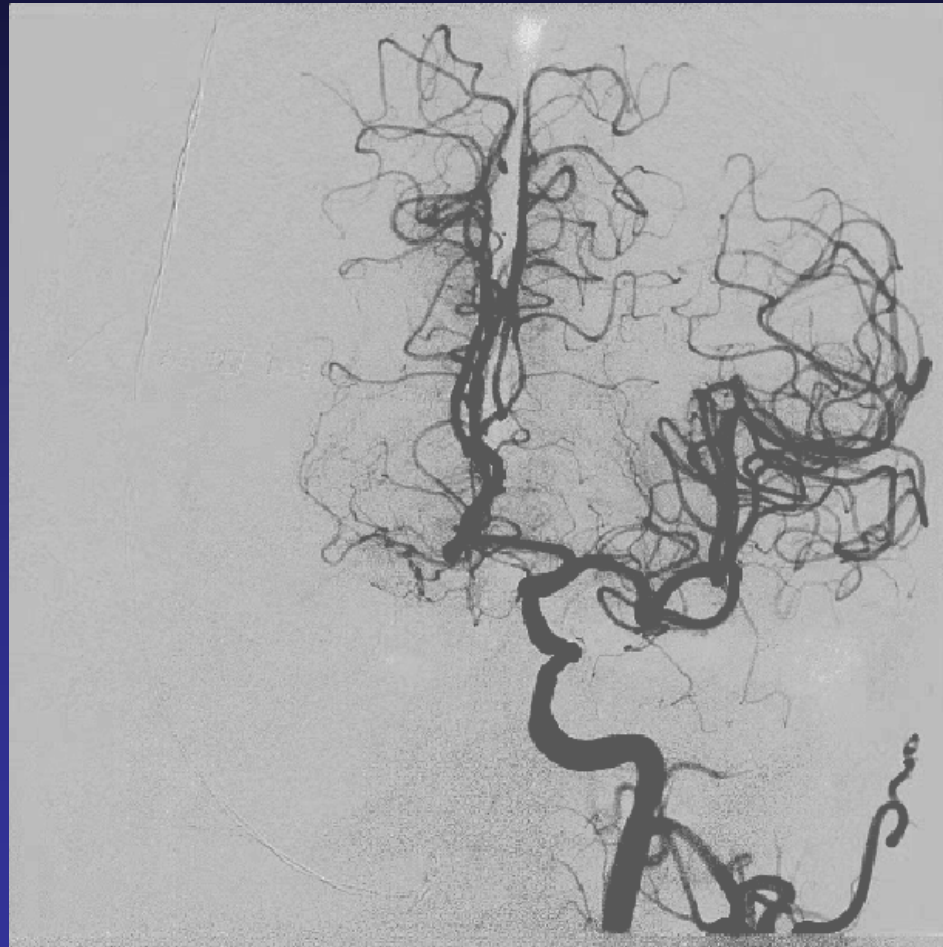


After stenting using SPIDER FX distal protection device



Final Cerebral Angio

Note – LICA supplying right hemisphere...



Follow-up

- No excess post-operative bleeding
- Patient discharged at day 6
- No neurological complications...

