

Bifurcation Stenting in CTO PCI

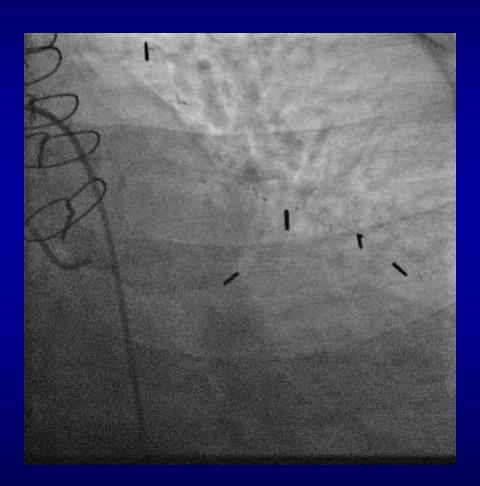
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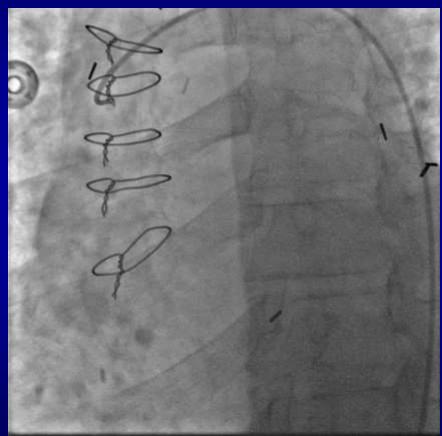
Disclosures

Research funding—AstraZeneca
Speaker Honorarium—St. Jude Medical



64 y/o with CHF (EF 15%), CABG '94 p/w unstable angina





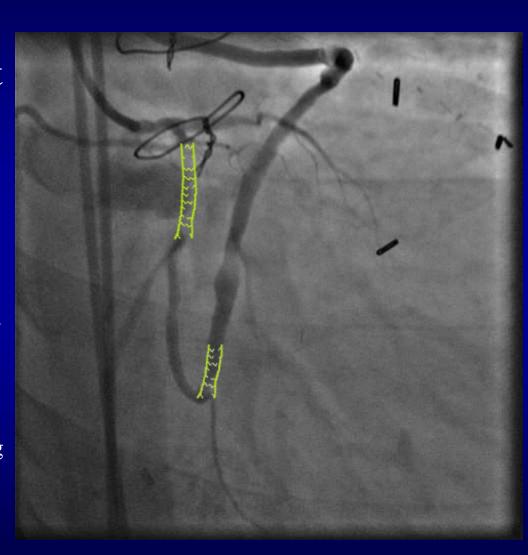


Treatment Options

Saphenous venous graft intervention

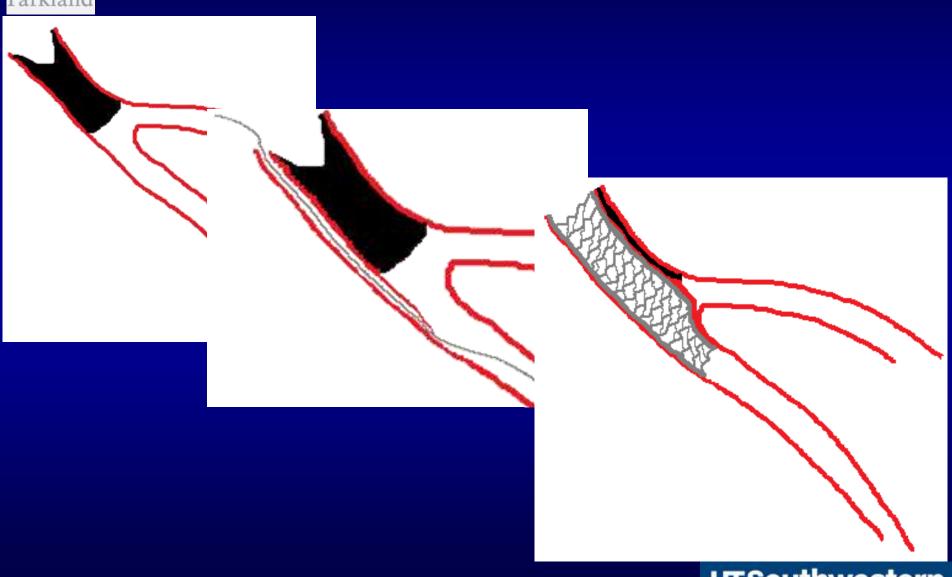
CTO PCI

- Lesion crossing:
 - True lumen to true lumen vs Dissection/Re-entry
 - Retrograde approach (via the SVG)
 - Antegrade (challenging due to proximal cap ambiguity)





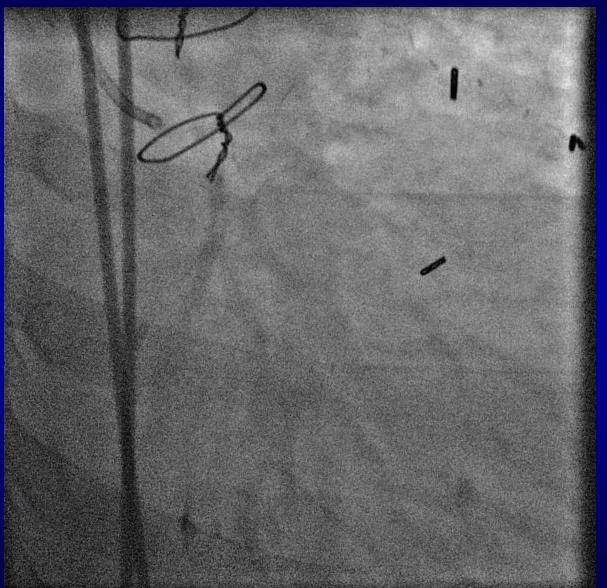
Subintimal Lesion Crossing



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Dual Angiography



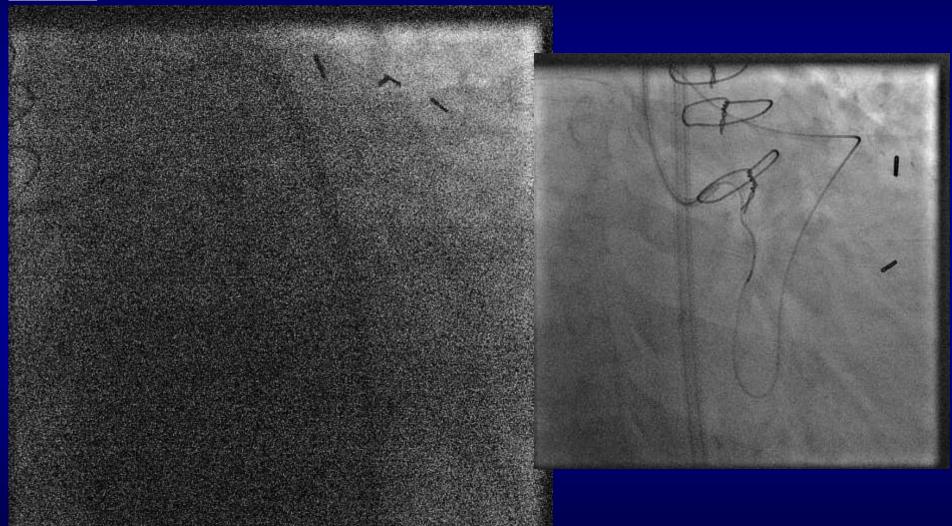


Failed Retrograde Approach



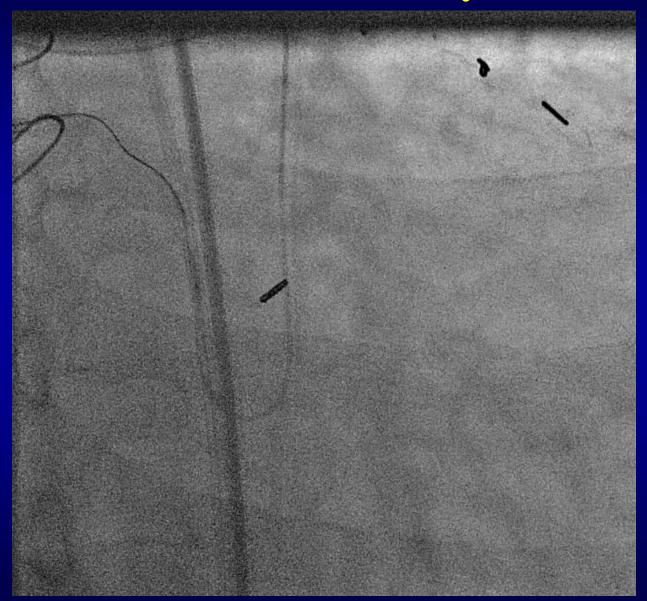


Antegrade Dissection/Re-entry



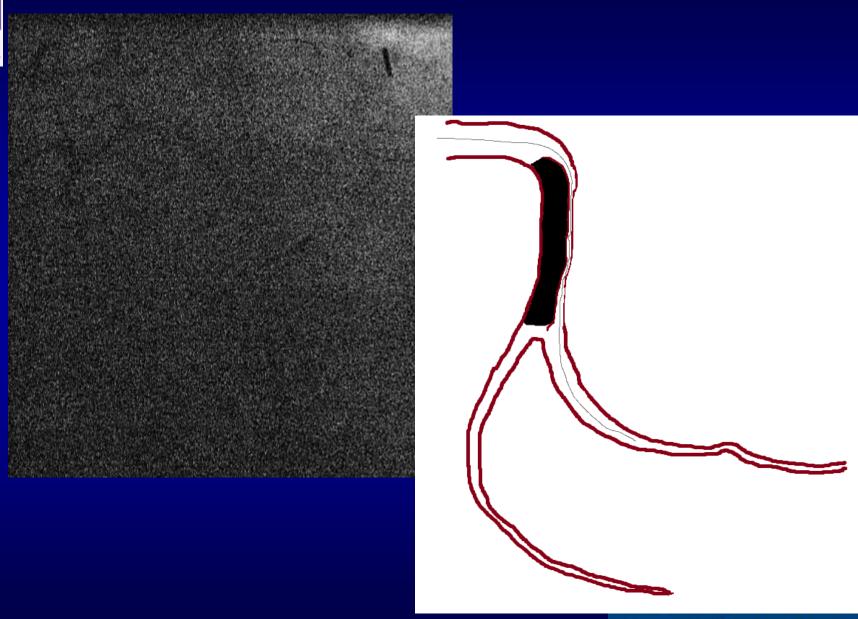


Directed Re-entry



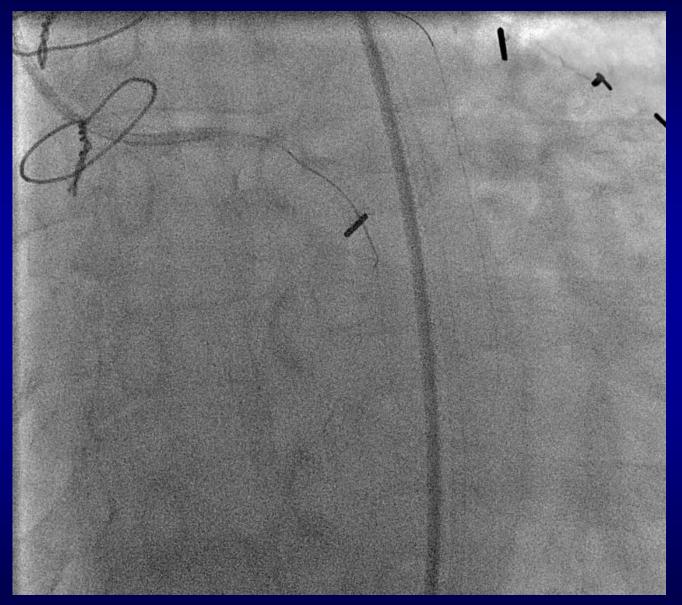


Pre-dilation



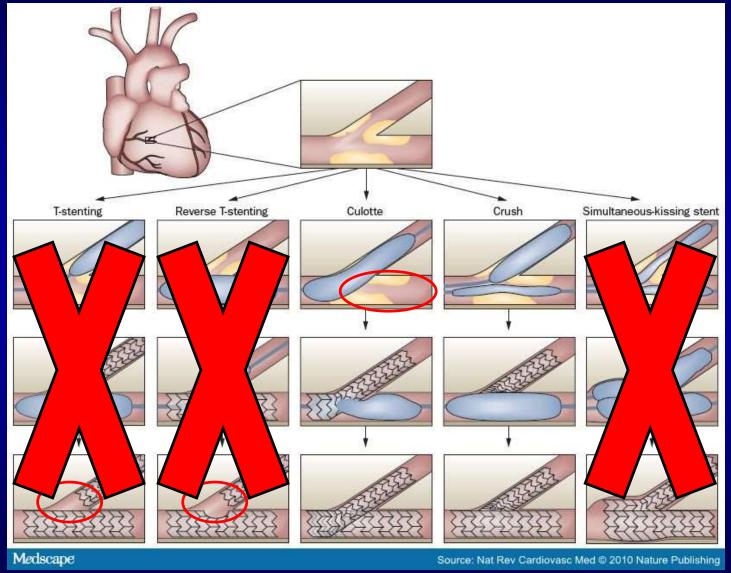


Side Branch Wiring



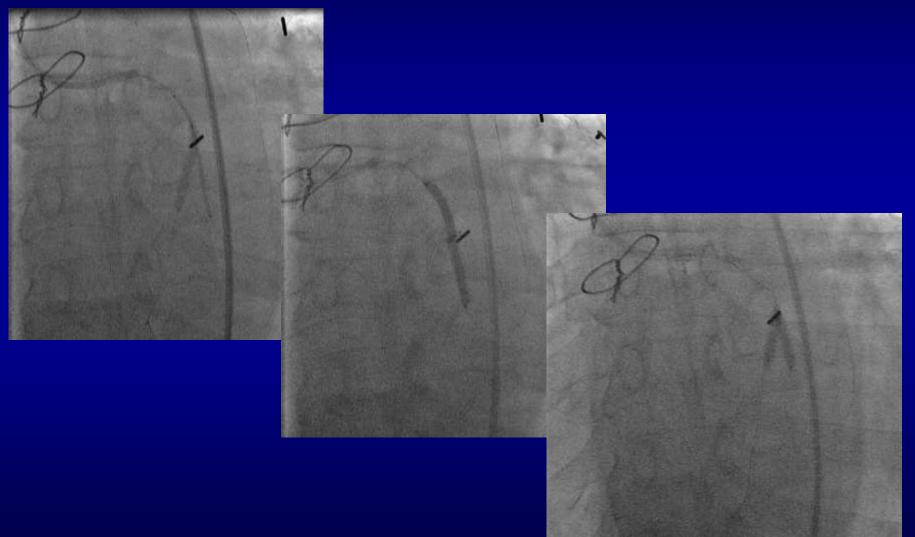


Two-stent Strategies





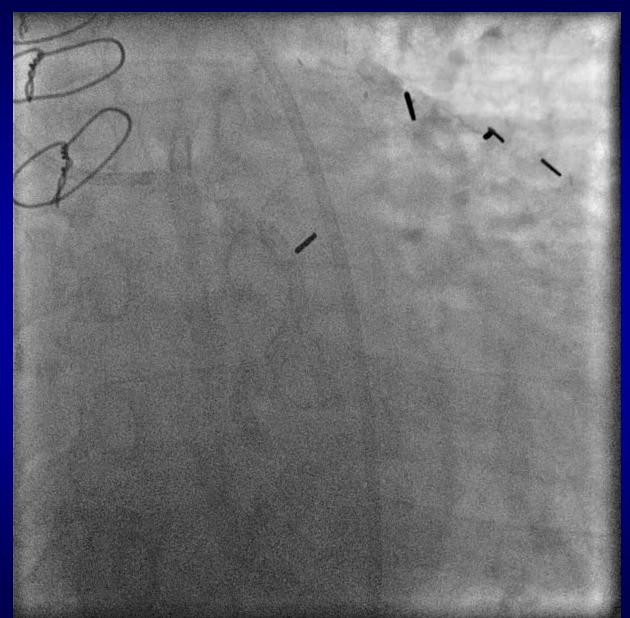
Crush Technique After ADR



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Final Result





Conclusions

- When utilizing dissection/re-entry techniques in CTO PCI, precise re-entry can allow for salvage of important side branch vessels
- Crush technique may be the most secure two-stent approach when utilizing dissection/re-entry into a bifurcation.