

Efficacy of FX Minirail Balloon in Bifurcation Lesions

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PCI in bifurcation lesions



Until recently, PCI in bifurcation lesions had remained technically challenging.
 Immediate and mid-term results using balloon angioplasty were poor:

 Low angiographic success rate (75-85%)
 High incidence of complication (8-22%)
 High restenosis rate (40-65%)









QCA Analysis (Baseline)





QCA Analysis (Post Procedure)



QCA Analysis (Follow-up)



Restenosis & TLR





Case # 1

Male, 58 yr
Anterior MI 1 month ago
Pre-intervention angiogram





Case # 1

Proximal LADC.B 3.5mm * 8atm





Case # 1

Final result







- Male, 52 yr
- Exertional angina
- Pre-intervention angiogram



Case # 2^{Ostial Diag} C.B 2.75mm

LAD C.B 2.75mm * 10atm



Case # 2

LAD stenting3.5mm*18mm stent



Case # 2

Final result





FX miniRALL[™] RX PTCA Catheter



FX miniRAIL[™] RX PCI Catheter





- 2.0 4.0mm diameters, half sizes
- 10, 15, 20 & 30mm lengths
- Semi-compliant balloon material
- .014" guide wire & 6F guide compatible

FX miniRALL[™] Angioplasty

- FX miniRALL[™] Catheter: A well-rounded approach to a cuttingedge solution.
- Concentrated stress creates expansion planes at low pressures for controlled dilatation.
- Stress concentration
- Stability
- Pushability



FX miniRALL[™] Angioplasty

FOCUSED FORCETM Mechanism







Dual wires create Iongitudinal expansion planes

FX miniRALL[™] angioplasty in proximal LAD bifurcation lesion





FX miniRALL[™] angioplasty in proximal LAD bifurcation lesion





FX miniRALL[™] angioplasty in proximal LAD bifurcation lesion





FX miniRALL[™] angioplasty in a diffuse atherosclerotic lesion





FX miniRALL[™] angioplasty in a diffuse atherosclerotic lesion





FX miniRALL[™] angioplasty in a diffuse atherosclerotic lesion



FX miniRALL[™] angioplasty in Left Main Lesion



FX miniRALL[™] Angioplasty in Left Main Lesion



Conclusions



- FX minirail balloon is effective in treatment of bifurcation lesions which causes less plaque shifting.
- In comparison to cutting balloon, FX minirail balloon achieves equally results in bifurcation lesions.
- Further studies needed in the treatment of bifurcation lesions to prove the longterm benefit even in the DES era.