Left Main PCI: choosing the best technique

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CASE 1
CALCIFIED DISTAL BIFURCATION

• 84 MALE
• OLD PCI LAD
• NSTEMI
• ECHO
  – INFERIOR HYPOKINESIS EF40%
• LHC
  – CTO RCA (chronic)
  – Severe heavily calcified distal LMS ostial LAD CX severe proximal LAD disease
  – MEDINA 1,1,1
DISTAL BIFURCATION

PRE
Rotawire passage

DIFFICULT ROTAWIRE

ROTOAWIRE THROUGH FINECROSS
Rotablation

ROTA 1.25 mm

ROTA 1.5mm
CASE 1 – Left Main
DISTAL BIFURCATION – MINI CRUSH
DISTAL BIFURCATION – MINI CRUSH

KISSING BALLOON

POT
CASE 1 – Left Main
DISTAL BIFURCATION – MINI CRUSH

FINAL

FINAL
CASE 2 – Left Main
DISTAL LMS – OSTIAL CX (dominant)

• 83 male
• Hypertensive
• PPM
• ACUTE CORONARY SYNDROME
  – Troponin positive
  – Echo: anterolateral posterior hypokinesis, EF 40%
• LHC:
  – DISTAL LMS – OSTIAL CX (dominant)
  – MEDINA 1,0,1
CASE 2 – Left Main
OSTIAL CX stenosis (dominant)
CULOTTE
Predilatation with a 2.5 balloon
CASE 2 – Left Main
DISTAL LMS – OSTIAL CX (dominant)

STENT4.0 CX
Kissing with 4.0 in Cx and 2.5 in LAD
STENT 3.5 in LAD
Post dilatation with 4.0 balloon in Cx
Post dilatation with 4.0 balloon in LAD
Kissing with 4.0 in Cx and 3.5 in LAD
POT with 4.5 balloon in LMS
Original Studies

Long-Term Outcomes following Mini-Crush versus Culotte Stenting for the Treatment of Unprotected Left Main Disease: Insights from the Milan and New-Tokyo (MITO) Registry

Hiroyoshi Kawamoto,1,2,3, mo, Kensuke Takagi,3, mo, Aliade Chiello,1, mo,
Neil Ruparelia,1,2,3, mo, Satoru Fujino,2, mo, Hiroto Yabushita,2, mo,
Yusuke Watanabe,7 mo, Azeeem Latib,7 mo, Mauro Carlini,7 mo,
Matteo Montorfano,1 mo, Sunao Nakamura,2 mo, mo, and Antonio Colombo,1,2 mo

Fig. 2. Freedom from major adverse cardiac events and target lesion revascularization: Kaplan-Meier curves are shown for (A) major adverse cardiac events (MACE), (B) overall target lesion revascularization (TLR), (C) main branch TLR, and (D) side branch TLR. Event rates are plotted over time with log-rank P values. Other abbreviations as in Figure 1. [Color figure can be viewed in the online issue, which is available at wileyonlinelibrary.com.]