Strategies to Improve Inadequate Guide Catheter Support

John S Douglas Jr MD
S Tanveer Rab MD

Sunday December 8, 2013 9:30AM

Emory University School of Medicine
Atlanta Georgia
Disclosure Statement of Financial Interest

Within the past 12 months, I or my spouse/partner have had a financial interest/arrangement or affiliation with the organization(s) listed below.

<table>
<thead>
<tr>
<th>Affiliation/Financial Relationship</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consulting Fees/Honoraria</td>
<td>None</td>
</tr>
<tr>
<td>Major Stock Shareholder/Equity</td>
<td>None</td>
</tr>
<tr>
<td>Royalty Income</td>
<td>None</td>
</tr>
<tr>
<td>Ownership/Founder</td>
<td>None</td>
</tr>
<tr>
<td>Intellectual Property Rights</td>
<td>None</td>
</tr>
<tr>
<td>Other Financial Benefit</td>
<td>None</td>
</tr>
</tbody>
</table>
## Patient Demographics

- **Age:** 64
- **Gender:** Male

## Risk Factors

- Smoking (100 pack/year)
- History of CAD
- ↑ Lipids
- Hypertension
- NIDDM

## Past Medical History

- Severe CAD
- **CABG X 3, 2002:**
  - LIMA → LAD
  - SVG → ALOM
  - SVG → OM2

## Clinical Presentation

- CCVS Class IV Angina
- **LHC:** Normal LVEF 60%
- Left dominant; Ulcerated 70% distal LM
- 100% prox LAD and prox LCX
- Patent grafts
- 90% mid LCX stenosis beyond SVG, with
- Failed prior PCI attempt at another facility
Saphenous Vein Graft to OM2

High grade stenosis beyond saphenous vein bypass graft insertion producing dominant circumflex ischemia
0.014” Hydrophilic Extra Support Guidewire

Guiding catheter: 8 Fr AL-1 guide
Unable to Cross Lesion With Balloon

Guiding catheter: 8 Fr AL-1 guide
0.014” Hydrophilic Extra support wire Guideliner

Guiding catheter: 8 Fr AL-1 guide
GuideLiner Rapid Exchange Device

The GuideLiner is delivered through standard guide catheters, resulting in an inner diameter that is approximately one French size smaller than the guide catheter.

The GuideLiner's rapid exchange design allows deployment through the existing Y-adapter without limiting the effective length of devices used in the intervention.
Final Result
Conclusions

The Guideliner was a useful guide catheter extender in this case, that facilitated native vessel PCI through extremely angulated hair pin bends in a complex PCI procedure.
THANK YOU