Are the non polimeric/hydrophilic wires the most resistant to the damage induced by the jailed technique?

**NO**
CASE REPORTS OF RUPTURED JAILED WIRES

POLYMER COATED

- Pilot 50. Pan M. Percutaneous Cardiac Interventions. PCR Publishing. 2010.

NON POLYMER COATED

- BMW (Abbott). Bonvini R. Cardiovascular Revascularization Medicine 2010;11:262.e7–262.e10
Original article

Structural Damage to Jailed Guidewire During the Treatment of Coronary Bifurcations: Microscopic Evaluation

Elena Villanueva, a,† Manuel Pan, b Soledad Ojeda, b Javier Suárez de Lezo, b Miguel Romero, b Pedro Martín, c Francisco Mazuelos, b José Segura, b Alfonso Medina, c and José Suárez de Lezo b
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Table 5
Microscopic Damage by Category

<table>
<thead>
<tr>
<th>Microscopic damage, no. (%)</th>
<th>Polymer-coated (n = 90)</th>
<th>Nonpolymer-coated (n = 45)</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>No damage</td>
<td>89 (99)</td>
<td>21 (47)</td>
<td>.0001</td>
</tr>
<tr>
<td>Slight</td>
<td>0 (0)</td>
<td>14 (31)</td>
<td></td>
</tr>
<tr>
<td>Moderate</td>
<td>1 (1)</td>
<td>8 (18)</td>
<td></td>
</tr>
<tr>
<td>Severe</td>
<td>0 (0)</td>
<td>2 (4)</td>
<td></td>
</tr>
<tr>
<td>Fracture</td>
<td>0 (0)</td>
<td>0 (0)</td>
<td></td>
</tr>
</tbody>
</table>
Figure 4. Moderate damage to a polymer-coated guidewire after use of the jailed guidewire technique.
Jailed Wire Technique in the Treatment of Coronary Bifurcations Lesions With Stent: Stereoscopic Microscopy Study

This study is currently recruiting participants. (see Contacts and Locations)

Verified June 2015 by Maimónides Biomedical Research Institute of Córdoba

Sponsor:
Maimónides Biomedical Research Institute of Córdoba

Study Type: Interventional
Study Design: Allocation: Randomized
Endpoint Classification: Safety/Efficacy Study
Intervention Model: Parallel Assignment
Masking: Single Blind (Subject)
Primary Purpose: Health Services Research

Official Title: Jailed Wire Technique in the Treatment of Coronary Bifurcations Lesions With Stent: Prospective Randomized Study With Stereoscopic Microscopy

Further study details as provided by Maimónides Biomedical Research Institute of Córdoba:

Primary Outcome Measures:
- No damage: the guidewire suffered no loss of integrity over its entire length [Time Frame: 3 years] [Designated as safety issue: No]
- Slight damage: the external cover suffered loss of integrity < 2 mm [Time Frame: 3 years] [Designated as safety issue: No]
- Moderate damage: the external cover suffered loss of integrity > 2 mm [Time Frame: 3 years] [Designated as safety issue: No]
- Severe damage: visible changes to the inner cover of the guidewire. [Time Frame: 3 years] [Designated as safety issue: No]
- Fracture: discontinuity at some point along the guidewire [Time Frame: 3 years] [Designated as safety issue: No]

Estimated Enrollment: 200