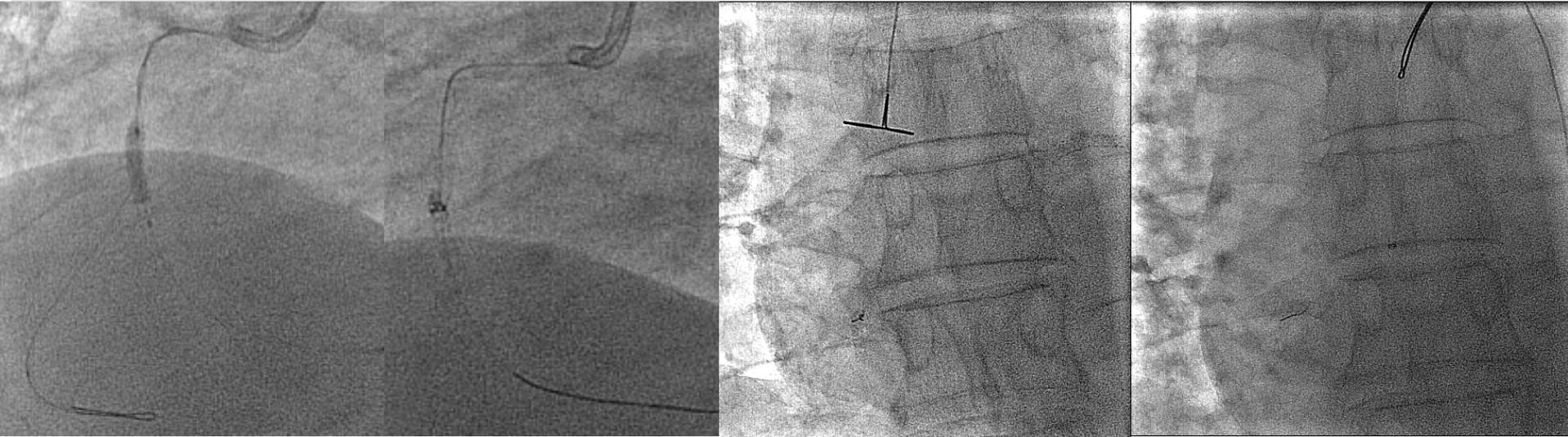


# SB PROTECTION WITH NON HYDROPHILIC JAILED WIRE



*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

- Hydrophilics wires (in general). Louvard Y. Heart 2004;90;713-722
- Pilot 50. Pan M. Percutaneous Cardiac Interventions.PCR Publishing. 2010.

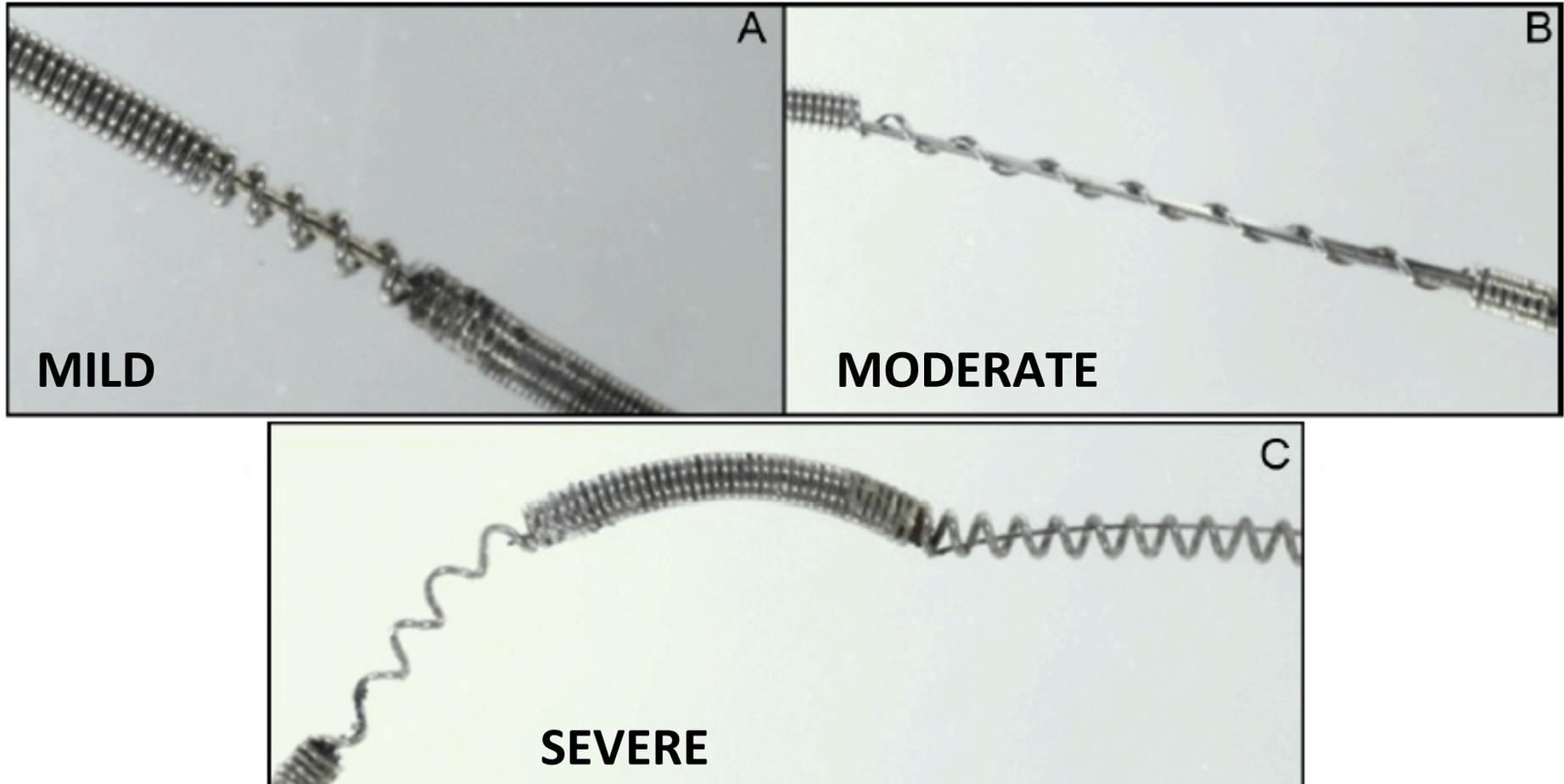
## NON POLYMER COATED

- Floppy ATW (Cordis). Sezgin AT. J Invasive Cardiol. 2006;18(8):391-2.
- BMW (Abbott). Bonvini R. Cardiovascular Revascularization Medicine 2010;11:262.e7–262.e10
- BMW (Abbott). Balbi M. Interact Cardiovasc Thorac Surg 2010;10:992–4.
- BMW (Abbott). Burns AT. Catheterization and Cardiovascular Interventions 75:351–353 (2010)
- BMW (Abbott). Owens CG,EuroIntervention 2011;7:520–7.

Original article

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

Elena Villanueva,<sup>a,\*</sup> Manuel Pan,<sup>b</sup> Soledad Ojeda,<sup>b</sup> Javier Suárez de Lezo,<sup>b</sup> Miguel Romero,<sup>b</sup> Pedro Martín,<sup>c</sup> Francisco Mazuelos,<sup>b</sup> José Segura,<sup>b</sup> Alfonso Medina,<sup>c</sup> and José Suárez de Lezo<sup>b</sup>



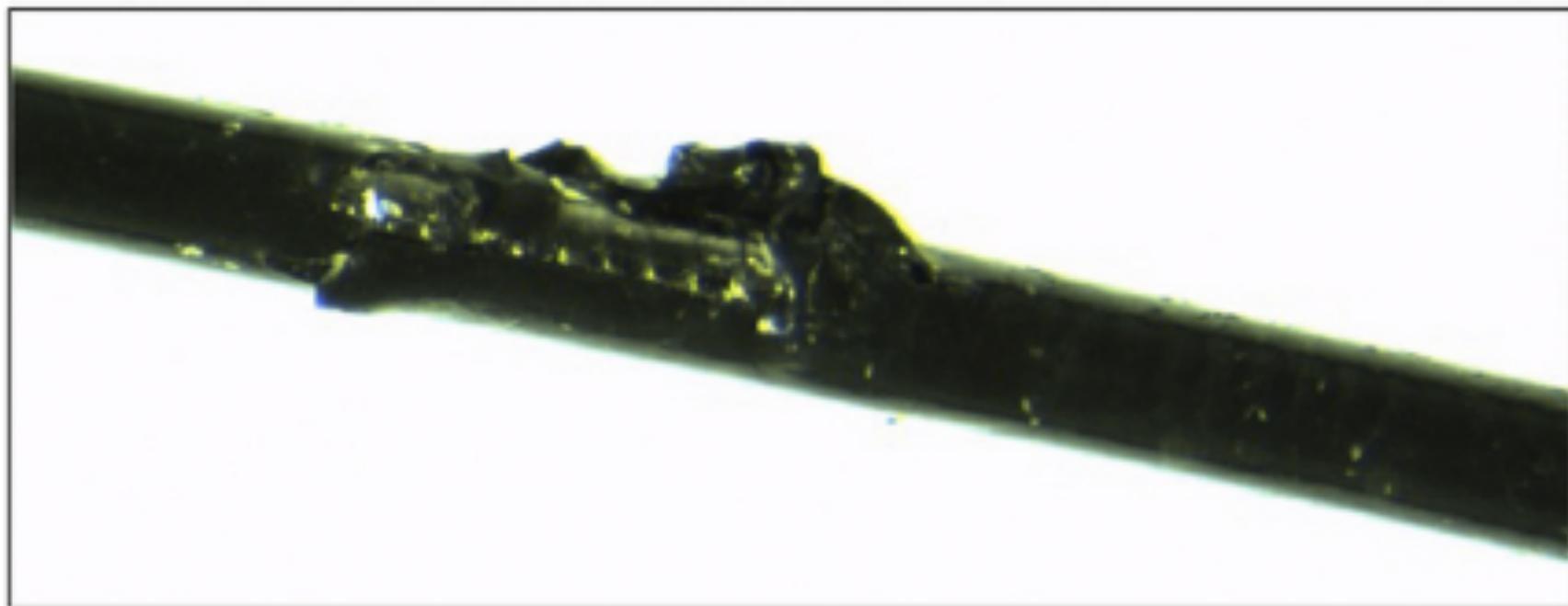
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**Table 5**  
Microscopic Damage by Category

	Polymer-coated (n = 90)	Nonpolymer-coated (n = 45)	<i>P</i>
<i>Microscopic damage, no. (%)</i>			.0001
No damage	89 (99)	21 (47)	
Slight	0 (0)	14 (31)	
Moderate	1 (1)	8 (18)	
Severe	0 (0)	2 (4)	
Fracture	0 (0)	0 (0)	



**Figure 4.** Moderate damage to a polymer-coated guidewire after use of the jailed guidewire technique.



Trial record **2 of 5** for: jailed wire

[◀ Previous Study](#) | [Return to List](#) | [Next Study ▶](#)

## 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

ClinicalTrials.gov Identifier:

NCT02516891

First received: July 23, 2014

Last updated: August 5, 2015

Last verified: June 2015

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