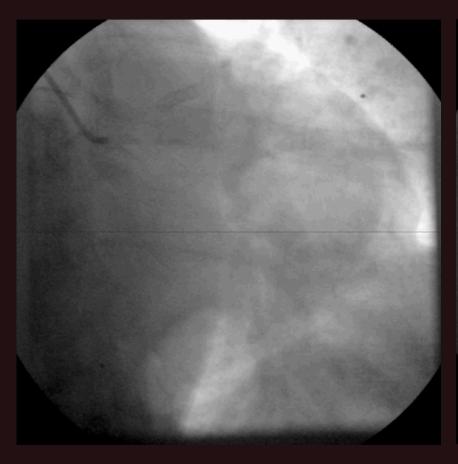
¿Qué hacer con lesiones moderadas en tándem?

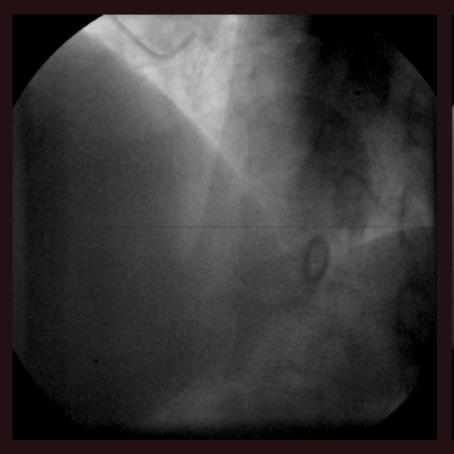
Luis M. Hernando Hospital General de Castellón

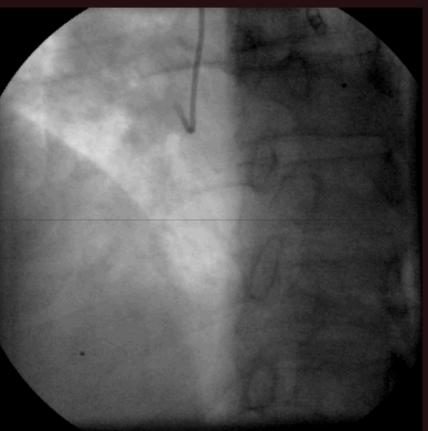
Historia resumida

- Hombre de 54 años.
- FRVC: HTA y dislipemia.
- ICP a DA con BMS en 2009.
- Ingreso actual por DT de esfuerzo.
- Ergometría no concluyente bajo tto.
- Tto domiciliario: AAS, bisoprolol, ramipril y simvastatina.





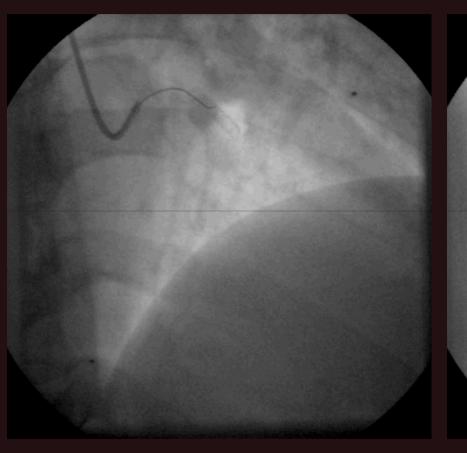




Actuación

- Valoración con guía de presión de ambas lesiones: FFR 0,79
- Dilatación con balón de la lesión proximal.
- Nueva valoración con guía de presión: FFR 0,86

Resultado angiográfico





Coronary Pressure Measurement to Assess the Hemodynamic Significance of Savial Standard Within

One Coro

MINI-FOCUS ON FRACTIONAL FLOW RESERVE Clinical Research

Nico H.J. Pijls, MD, PhD; Bernard De E Francesco Liistro, MD; G Hans J.R.M. Bonnier, MD, P.

Background-When several stenoses are present within 1 is influenced by the presence of the other(s), and the cal for each individual stenosis is confounded. Recently, we the true FFR of each stenosis as it would be after the rem by coronary pressures measured before treatment at accounting for stenosis interaction. The aim of the pres Methods and Results-In this study of 32 patients with measured before the intervention, after the treatment of I of each stenosis (FFR+we) was directly measured after th predicted (FFR_{red}) from the initial pressure measureme stenosis increased significantly (from 10±7 to 19±11: to FFR_{true} in all patients (0.78±0.12 versus 0.78±0.11 r interaction, the value of FFR for each stenosis would l Conclusions-Coronary pressure measurements made by practical method for assessing the individual hemodyn (Circulation, 2000;102:2371-2377.)

Key Words: pressu

The fluid, dynamic interaction of multiple sequential stenoses in coronary arteries is complex, often unexpected, and cannot be adequately assessed by visual interpretation on the coronary angiogram. Although described by computerized analysis of the entire coronary tree and assessed noninvasively by PET perfusion imaging, 1.2 these interactions have never been quantified in humans by direct intracoronary pressure or flow measurements.

A well-established method of assessing the hemodynamic severity of single stenosis in coronary arteries uses Doppler wires to measure coronary flow reserve (CFR) or pressure wires

Clinical and Physiological Outcomes of Fractional Flow Reserve-Guided Percutaneous Coronary Intervention in Patients With Serial Stenoses Within One Coronary Artery

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Young-Seok Cho, MD, PhD,|| Tae-Jin Youn, MD, PhD,|| Sang-Hyun Kim, MD, PhD,¶
In-Ho Chae, MD, PhD,|| Dong-Ju Choi, MD, PhD,|| Hyo-Soo Kim, MD, PhD,*
Byung-Hee Oh, MD, PhD,* Young-Bae Park, MD, PhD*

Seoul, Daegu, Koyang, and Seongnam, Korea

Objectives This study was performed to evaluate the physiological and clinical outcomes of fractional flow reserve (FFR)-guided revascularization strategy with drug-eluting stents in serial stenoses within the same coronary artery.

Background Identifying a functionally significant stenosis is difficult when several stenoses exist within 1 coronary artery.

Methods A total of 131 patients (141 vessels and 298 lesions) with multiple intermediate stenoses within the same coronary artery were assessed by FFR with pullback pressure tracings. In vessels with an FFR <0.8, the stenosis that caused the largest pressure step-up was stented first. Major adverse cardiac events were assessed during follow-up.

Results FFR was measured 239 times and there were no procedure-related complications. There was a weak negative correlation between FFR and angiographic percent diameter stenosis (r = -0.282, p < 0.001). In total, 116 stents were implanted and revascularization was deferred in 61.1% (182 of 298) of lesions. When the vessels with an initial FFR <0.8 were divided into 2 groups according to FFR after first stenting (FFR ≥0.8 vs. FFR <0.8), there were no differences in baseline angiographic and physiological parameters between the 2 groups. During the mean follow-up of 50.1 ± 211 days: these was only 1 target vessel supercularization due to in stept restances. These

How to use the drug-eluting balloon: recommendations by the German consensus group

Franz X. Kleber¹, MD; Detlef G. Mathey^{2*}, MD; Harald Rittger³, MD; Bruno Scheller⁴, MD on behalf of the German Drug-eluting Balloon Consensus Group (see appendix)

- 1. Ernst von Bergmann Klinikum, Potsdam, Germany; 2. Univer Clinical Research | January 2014
- 3. Klinikum Coburg, Germany: 4. Universitätsklinikum des Saar

Introduction

The drug eluting balloon (DEB) has demonstrated safety and efficacy for treatment of restenosed and de novo lesions in coronary artery disease in several clinical trials. Late lumen loss at follow-up is consistently low (~0.2 mm), and no thrombotic event has been reported when using the DEB (Sequent®Please) as a stand-alone therapy.

Some issues remain when combining the DEB with a bare metal stent (BMS), since geographic mismatch (DEB does not cover total stented area) between DEB and BMS can not always be avoided. The combination of the DEB with a BMS further results in a some what higher late lumen loss comparable to paclitaxel eluting stent.

A Randomized Comparison of Drug-Eluting Balloon Versus Everolimus-Eluting Stent in Patients With Bare-Metal Stent In-Stent Restenosis: The RIBS V Clinical Trial **ONLINE FIRST**

Fernando Alfonso, MD1; Maria Jose Pérez-Vizcayno, MD2; Alberto Cárdenas, MD2; Bruno García del Blanco, MD3; Bernhard Seidelberger, MD1: Andrés Iñiguez, MD4: Manuel Gómez-Recio, MD5: Mónica Masotti, MD6: M. Teresa Velázquez, MD7; Juan Sanchís, MD8; Arturo García-Touchard, MD9; Javier Zueco, MD10; Armando Bethencourt, MD¹¹; Rafael Melgares, MD¹²; Angel Cequier, MD¹³; Antonio Dominguez, MD¹⁴; Vicente Mainar, MD¹⁵; José R. López-Mínguez, MD16; José Moreu, MD17; Vicens Martí, MD18; Raúl Moreno, MD19; Pilar Jiménez-Quevedo, MD2; Nieves Gonzalo, MD2: Cristina Fernández, MD2: Carlos Macava, MD2

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Summary of late lumen loss in PEPCAD trials

	Aluc	JIE .		text	A /	A A
Study	DE					
ISR I/II (vs. POBA)	Abstra	act				
PEPCAD I (SVD)						
PEPCAD II (ISR vs. Taxus™)	Objective	e We sought to cor	npare the efficacy of drug-eluting ball	loons (DEB) and everolimus-	eluting	stents
PEPCAD III (vs. Cypher™)	(EES) in p	patients with bare-m	etal stent (BMS) in-stent restenosis	(ISR).		
PEPCAD IV (Diabetes)		0.51	Rosli MA ^c			
PEPCAD V (Bif. lesions)	0.21 (SB)	0.38 (MB)	Mathey DG ⁷			
PEPCAD CTO	_	0.64	Wöhrle J, Werner GS ⁸			
PERFECT (+EPC stent*)	_	0.34	Wöhrle J ⁹			