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PUBLICADOS EN CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS
LOS RESULTADOS DEL ESTUDIO TIOMAX

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ORIGINAL STUDIES

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TIOMAX: A Spanish Multicenter Registry of the real-world use of the Titanium OptiMAX[®] biostent

TIOMAX: Registro Español Multicéntrico Del Biostent De Titanio OptiMAX[®] En La Vida Real

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Abstract

Objectives: To compare the safety and efficacy of the new cobalt-chromium bioactive stent Titan Optimax[®] (Hexacath, France) with its predecessor, Titan-2[®].

Background: The TIOMAX registry includes 784 patients who underwent percutaneous coronary intervention with these stents in 21 Spanish hospitals.

Methods: Analysis of all patients in the registry without exclusion criteria, candidates for revascularization (March-2013/July-2014). Initially 273 patients received Titan-2[®], and the next 511 received the Optimax[®] after its launch.

Results: Mean age was 65.8 ± 13.0 (78.1% men); 49.2% were STEACS patients (n = 322), 29.8% NSTEMACS, and 27.3% had stable angina or silent ischemia. Most STEACS patients (76.4% of n = 322) were treated <24 hr after developing symptoms. All-cause death (D), cardiac death (CD), acute myocardial infarction (AMI), and stent thrombosis (ST) at 1 month were 1.1, 0.8, 0.1, and 0.5%, respectively, with no significant differences between groups. At 1 year, the death rate was 5.5% for Titan-2 vs. 4.1% for Optimax[®], CD was 1.8% for both groups, ST 1.1 vs. 0.6%, new AMI 3.3 vs. 2.5% and target lesion revascularization (TLR) 3.7 vs. 2.9%. The primary endpoint of the composite event (CE) of D/AMI/TLR/ST occurred in 10.3% vs. 7.6% (p = 0.211). Patients with STEACS (N = 322: Titan-2/Optimax: 103/209) had better outcomes for secondary events, device-oriented failure: CD/AMI/TLR (7.8% vs. 5.0%; p = 0.330), and non-fatal CE of AMI/ST/TLR (7.8% vs. 2.7%, p = 0.039).

Conclusions: The Titan Optimax retains the efficacy and safety of Titan 2. It appears to perform better in the subgroup of STEACS patients, by reducing the non-fatal CE of AMI/ST/TLR.

KEYWORDS

acute coronary syndrome with ST elevation, bioactive titanium nitride oxide stent, cobalt-chromium bioactive stent, stent thrombosis

Recientemente han sido publicados los resultados del estudio TIOMAX, estudio multicéntrico realizado en 21 unidades de hemodinámica en España incluyendo cerca de 800 enfermos, en el que la nueva generación de stent coronario Bio Activo OPTIMAX (HEXACATH, FRANCE) se ha comparado con la precedente, TITAN 2, en términos de seguridad y eficacia.

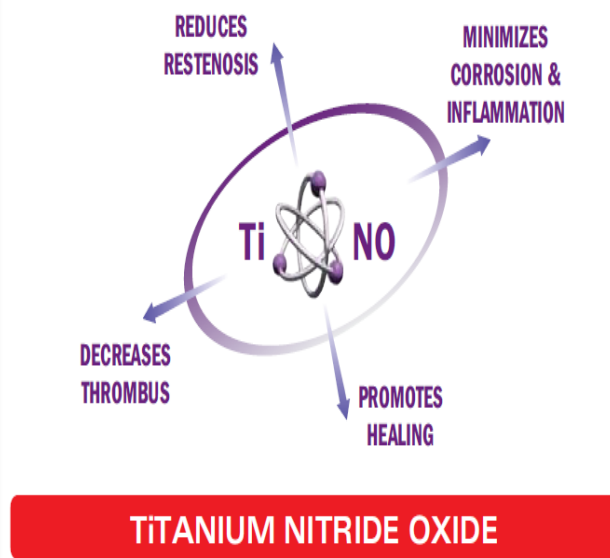
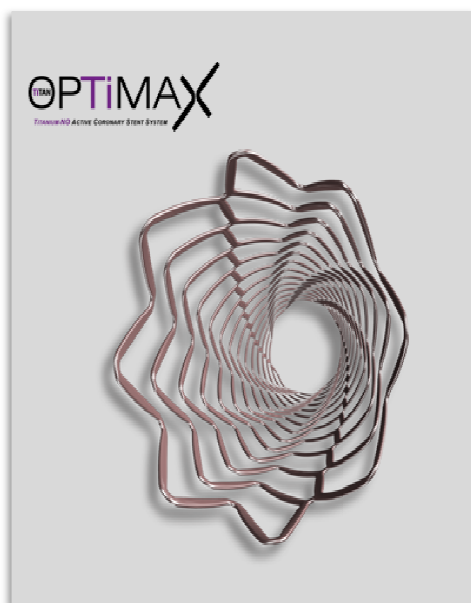
Como no podía ser de otra manera, el nuevo stent superó ampliamente las expectativas, comportándose desde ambos puntos de vista de una manera claramente superior, especialmente en el contexto del **Síndrome Coronario Agudo**.

Para mas información,

Lopez-Mínguez JR, Nogales-Asensio JM, Romani-Mendez S, et al. TIOMAX: A Spanish Multicenter Registry of the real-world use of the Titanium OptiMAX® biostent. Catheter CardiovascInterv. 2017;00:1–8. <https://doi.org/10.1002/ccd.27326>

(En caso de no disponer de acceso a Wiley Online, por favor, contacte con su representante local de Hexacath)

STENT CORONARIO OPTIMAX



REFERENCIAS

LENGTH (mm)	DIAMETER (mm)	REFERENCE	NOMINAL PRESSURE	RATED BURST PRESSURE
7 mm	2.5 mm	LICM 2.5-7 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-7 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-7 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-7 OPTI	8 bars	16 bars
10 mm	2.0 mm	LICM 2.0-10 OPTI	8 bars	16 bars
	2.25 mm	LICM 2.25-10 OPTI	8 bars	16 bars
	2.5 mm	LICM 2.5-10 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-10 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-10 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-10 OPTI	8 bars	16 bars
13 mm	2.0 mm	LICM 2.0-13 OPTI	8 bars	16 bars
	2.25 mm	LICM 2.25-13 OPTI	8 bars	16 bars
	2.5 mm	LICM 2.5-13 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-13 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-13 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-13 OPTI	8 bars	16 bars
	4.0 mm	LICM 4.0-13 OPTI	8 bars	16 bars
	4.5 mm	LICM 4.5-13 OPTI	8 bars	16 bars
16 mm	2.0 mm	LICM 2.0-16 OPTI	8 bars	16 bars
	2.25 mm	LICM 2.25-16 OPTI	8 bars	16 bars
	2.5 mm	LICM 2.5-16 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-16 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-16 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-16 OPTI	8 bars	16 bars
	4.0 mm	LICM 4.0-16 OPTI	8 bars	16 bars
	4.5 mm	LICM 4.5-16 OPTI	8 bars	16 bars
19 mm	2.5 mm	LICM 2.5-19 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-19 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-19 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-19 OPTI	8 bars	16 bars
	4.0 mm	LICM 4.0-19 OPTI	8 bars	16 bars
	4.5 mm	LICM 4.5-19 OPTI	8 bars	16 bars
22 mm	2.5 mm	LICM 2.5-22 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-22 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-22 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-22 OPTI	8 bars	16 bars
25 mm	2.5 mm	LICM 2.5-25 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-25 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-25 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-25 OPTI	8 bars	16 bars
28 mm	2.5 mm	LICM 2.5-28 OPTI	8 bars	16 bars
	2.75 mm	LICM 2.75-28 OPTI	8 bars	16 bars
	3.0 mm	LICM 3.0-28 OPTI	8 bars	16 bars
	3.5 mm	LICM 3.5-28 OPTI	8 bars	16 bars
28 mm	4.0 mm	LICM 4.0-28 OPTI	8 bars	16 bars

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